

CANADA



**ENHANCING TRANSPARENCY IN
BIOLOGICAL AND TOXIN RESEARCH:
MONITORING RESEARCH ACTIVITIES
USING THE INTERNET**

**VOLUME 2
(ANNEXES)**



SEPTEMBER 1996

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BIOLOGICAL AND TOXIN RESEARCH:
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**VOLUME 2
(ANNEXES)**

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SEPTEMBER 1996

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VOLUME 2 (ANNEXES)

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- Annex A Summary of Annexes
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- Annex C WebCompass Bioscience Sites
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- Annex O WebCompass Venezuelan equine encephalomyelitis virus Research

ACKNOWLEDGMENTS

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S U M M A R Y

The Internet has emerged as a global medium for information exchange. Previous studies related to enhancing transparency of biological research used the method of collateral analysis of scientific publications. Drawing on commercial on-line services, these studies documented the types of research carried on with certain materials in specific countries. This study examines the potential contribution of the Internet for enhancing transparency of information related to biological pathogens and toxins. The objectives of the study are to develop a map of biological and toxin resources on the Internet, and to assess this information using three case studies. These case studies include:

- cell collections of microorganisms on the Internet;
- research on Bacillus anthracis (the bacterium which causes anthrax);
- research on the Venezuelan equine encephalomyelitis virus.

The following Internet sites create indices of information. They were used extensively and found to be the most useful for finding information:

- AltaVista (located at <http://www.altavista.com>);
- Lycos (located at <http://www.lycos.com>); and,
- Yahoo (located at <http://www.yahoo.com>).

As well, other search tools were tested such as WebCrawler, InfoSeek and Excite. These were found not to be as useful for biological and toxin information. Approximately half of the time connected to the Internet made use of the WebCompass Resource Discovery Agent (registered trademark of

Quarterdeck Software). This is an intelligent software agent which searches the Internet on the basis of key words and creates databases of relevant information. The various Internet sites retrieved by this method are provided in annexes to this report.

In order to examine the extent of biological and toxin information resources on the Internet, over 120 hours were spent connected to the Internet searching by key-words and downloading information during April and May 1996. Over 3,000 files containing more than 35 megabytes of information were downloaded from over 1000 Internet sites related to biological and toxin information.

The following sites on the Internet were the largest organized centres of biological and toxin information with links to hundreds of other Internet sites:

- The World-Wide Web Virtual Library Biosciences (the searchable index is located at <http://golgi.harvard.edu/htbin/biopages>);
- The World-Wide Web Virtual Library Microbiology and Virology (located at <http://golgi.harvard.edu/biopages/micro.html>);
- The World-Wide Web Virtual Library Epidemiology (located at <http://www.epibiostat.ucsf.edu/epidem/epidem.html>);
- The World-Wide Web Virtual Library Biotechnology (located at <http://www.cato.com/interweb/cato/biotech/>; and,
- Martindale's Bioscience Guide (located at <http://www-sci.lib.uci.edu/~martindale/MedicalPath.html>).

As well, this study sought to identify culture collections which make bacteria, fungi and viruses available for research and commercial purposes. The following are the major repositories:

- American Type Culture Collection (located at <http://www.atcc.org/>);
- Microbial Strain Data Network (MSDN located at <http://www.bdt.org.br/msdn/msdn.html>);
- All Russian Collection of Microorganisms (VKM located at <http://www.stack.serpukhov.su:70/1s/db/vkm>);
- Microbial Information Network of China (located at <http://sun.im.ac.cn/>); and,
- WFCC World Data Center for Microorganisms RIKEN, Japan (located at <http://www.wdcm.riken.go.jp/wdcm/STRAIN.html>).

More importantly, a total of 484 separate centres around the world are listed on the Internet that make microorganisms available for free, exchange or for a fee. Of these centres, over 30 have established their own Internet sites. There are 286 culture collections that provide various bacteria, 244 that provide fungi and 38 that provide virus samples. For example, 56 culture collections provide samples of Bacillus anthracis. These culture collections are listed in the annexes to this report. Many fewer collections make viruses available. In the case of the Venezuelan equine encephalomyelitis virus, only two collections provide samples of this virus.

This study also examined the sources of information and sites of research related to the two microorganisms, B. anthracis (the causative bacterium of the disease anthrax) and the Venezuelan equine encephalomyelitis (VEE) virus

which causes Venezuelan equine encephalomyelitis. For B. anthracis, 49 Internet sites are listed in the report which detail research, disease outbreaks and medical diagnosis. For the VEE virus, 38 sites are listed in the report.

Access to the Internet provides an anonymous, universally-accessible system for gathering biological and toxin information. At the present time, the Internet is well suited for specific inquiries such as the location of particular cultures of bacteria. While there is a tremendous amount of information related to biological research, the quality and reliability of that information varies greatly. The accuracy of the information that is available must be assessed carefully in each case. Since there is no centralized control, the onus is on the user of the information to verify its accuracy.

The Internet provides much broader categories of information. The accessibility of this information has greatly increased. Previously, this scientific information was available in journals and on-line databases. Both required a certain level of scientific expertise to access and their use could be monitored. This has changed with the Internet. Through the Internet, access to this information is essentially anonymous. The threshold for acquiring information about biological pathogens and toxins has been lowered by its accessibility on the Internet.

There are some important limitations that this study identifies. Since the development of the World Wide Web hypertext system is recent, only current information is available (that is, from 1995 to 1996). If, for example, research is needed from 1980, it is unlikely that it will be directly accessible on the Internet. However, this is changing since more information sources including scientific databases are becoming accessible through the Internet.

GLOSSARY

These definitions are adapted in part from the Internet glossary located at <http://wfn-ship.princeton.edu/>

FTP File Transfer Protocol allows a user on one computer to transfer files to and from another computer over a TCP/IP network.

HTML Hypertext Markup Language is a hypertext document format used by the World-Wide Web. Built on top of SGML. "Tags" are embedded in the text. A tag consists of a "<", a "directive", zero or more parameters and a ">". Matched pairs of directives, like "<title>" and "</title>" are used to delimit text which is to appear in a special place or style. HTML over the WWW has made it possible for any connected computer, with the suitable software, to share information.

HTTP Hypertext Transfer Protocol is the client-server TCP/IP protocol used on the World-Wide Web for the exchange of HTML documents.

Hypertext A term coined by Ted Nelson around 1965 for a collection of documents (or "nodes") containing cross-references or "links" which, with the aid of an interactive browser program, allow the reader to move easily from one document to another. The WWW is the hypertext-based client server system based within the Internet.

Internet (Note: capital "I"). The Internet is the largest computer network accessible to the public in the world. It is a three level hierarchy composed of backbone networks, mid-level networks, and stub networks. These include

commercial (.com or .co), university (.ac or .edu) and other research networks (.org, .net) and military (.mil) networks and span many different physical networks around the world with various protocols including the Internet Protocol.

There are several bodies associated with the running of the Internet, including the Internet Architecture Board, the Internet Assigned Numbers Authority, the Internet Engineering and Planning Group, Internet Engineering Steering Group and the Internet Society.

Network. Hardware and software data communication systems linked together are called networks. They are often also classified according to their geographical extent: local area network (LAN), metropolitan area network (MAN), wide area network (WAN) and also according to the protocols used.

Protocol. A set of formal rules describing how to transmit data, especially across a network. Low level protocols define the electrical and physical standards to be observed, bit- and byte-ordering and the transmission and error detection and correction of the bit stream. High level protocols deal with the data formatting, including the syntax of messages, character sets, and sequencing of messages.

Server. A computer which provides some service for other computers connected to it via a network.

SGML. Standard Generalized Markup Language is a generic markup language for representing documents. SGML aims to separate information from its presentation and thus facilitate different presentations of the same information.

TCP/IP Transmission Control Protocol/Internet Protocol is the most common protocol used on Ethernet and the Internet. It was developed by DARPA.

TCP is built on top of Internet Protocol (IP) and is nearly always seen in the combination TCP/IP (TCP over IP). It adds reliable communication, flow-control, multiplexing and connection-oriented communication. It provides full-duplex, process-to-process connections.

URL Uniform Resource Locator is a standard for specifying an object on the Internet, such as a file or newsgroup. URLs are used extensively on the World-Wide Web. They are used in HTML documents to specify the target of a hyperlink.

Here are some example URLs:

`ftp://wuarchive.wustl.edu/mirrors/msdos/graphics/gifkit.zip`

`http://www.w3.org/default.html`

`news:alt.hypertext`

`telnet://dra.com`

`mailto:dbh@doc.ic.ac.uk`

`http://www.w3.org/default.html#Introduction`

The part before the first colon specifies the access scheme or protocol. The part after the colon is interpreted according to the access scheme. In general, two slashes after the colon indicate a hostname (host:port is also valid). Schemes include: ftp and http (World-Wide Web).

Usenet A collection of discussion groups on the Internet where people may post messages on selected topics.

Web browsers NCSA Mosaic, Netscape and Microsoft Internet Explorer are examples of commonly used software programs used to access the WWW and other resources on the Internet.

WWW World-Wide Web (WWW, W3, The Web) An Internet client-server hypertext distributed information retrieval system which originated from the CERN High-Energy Physics laboratories in Geneva, Switzerland.

The WWW has been the fastest growing part of the Internet since its public introduction in 1991. In the early 1990s, the developers at CERN spread word of the Web's capabilities to scientific audiences worldwide..

On the WWW everything (documents, menus, indices) is represented to the user as a hypertext object in HTML format. Hypertext links refer to other documents by their URLs. These can refer to local or remote resources accessible via FTP, or news, as well as those available via the http protocol used to transfer hypertext documents.

The client program (known as a browser), e.g. Mosaic, Netscape, runs on the user's computer and provides two basic navigation operations: to follow a link or to send a query to a server. A variety of client and server software is freely available.

Annex A

Summary of Annexes

Annex A

Summary of Annexes

Annexes B, D, F, I, J are derived from the World Wide Web Virtual Libraries on the respective topics dealing with biological pathogens and toxins.

Annexes C, E, G, H, K, N, O are the WebCompass-generated databases of Internet information on the designated topics. The title, URL, and summary of the sites are given.

Annexes L and M are the listings of culture collections. In Annex L, the name and mailing address of the culture collection are given. In Annex M, the culture collections that provide samples of *B. anthracis* and the VEE virus are listed.

Annex B

The World-Wide Web Virtual Library: Biosciences

Biosciences

- Searchable Index for the WWW Virtual Library Biosciences
<http://golgi.harvard.edu/htbin/biopages>
- The following are divisions of the WWW Virtual Library Biosciences:
 - Agriculture
http://ipm_www.ncsu.edu/cernag/cern.html
 - Biological Molecules
<http://golgi.harvard.edu/sequences.html>
 - Biochemistry, Molecular Biology, and Biophysics
<http://golgi.harvard.edu/biopages/biochem.html>
 - Biodiversity and Ecology
<http://golgi.harvard.edu/biopages/biodiversity.html>
 - Biotechnology
<http://www.cato.com/interweb/cato/biotech/>
 - Entomology
<http://www.colostate.edu/Depts/Entomology/WWWVL-Entomology.html>
 - Evolution
<http://golgi.harvard.edu/biopages/evolution.html>
 - Fish, and other Aquatic Animals
<http://www.actwin.com/WWWVL-Fish.html>
 - Developmental Biology
http://sdb.bio.purdue.edu/Other/VL_DB.html
 - German Biology Sites
<http://www.rz.uni-karlsruhe.de/Outerspace/VirtualLibrary/57.en.html>
 - Genetics
http://www.ornl.gov/TechResources/Human_Genome/genetics.html
 - Immunology
<http://golgi.harvard.edu/biopages/immuno.html>
 - Instructional Resources in Biology
<http://golgi.harvard.edu/biopages/edures.html>

- Medicine <http://www.ohsu.edu/clinweb/wwwvl/>
 - Anesthesiology <http://gasnet.med.yale.edu/index.html>
 - Epidemiology <http://chanane.ucsf.edu/epidem/epidem.html>
 - German Medical Sites <http://www.rz.uni-karlsruhe.de/Outerspace/VirtualLibrary/610.en.html>
 - Pharmacy <http://www.cpb.uokhsc.edu/pharmacy/pharmint.html>
 - Veterinary Medicine <http://netvet.wustl.edu/vetmed.htm>
- Microbiology & Virology
<http://golgi.harvard.edu/biopages/micro.html>
- Mycology (Fungi)
<http://muse.bio.cornell.edu/~fungi/welcome.html>
- Neurobiology
<http://neuro.med.cornell.edu/VL/>
- Physiology and Biophysics
<http://physiology.med.cornell.edu/WWWVL/PhysioWeb.html>
- Plant Biology
<http://golgi.harvard.edu/biopages/botany.html>
- Electronic Journals
http://www.w3.org/hypertext/DataSources/bySubject/Electronic_Journals.html

Annex C

WebCompass Bioscience Sites

Bioscience

- ■ Agent searches using General resources
- Query terms are bioscience, toxin

Related Documents

- CELLine - Software for Biologists to Track Their Cell Lines Images: 4 Links: 9
<http://www.communicate.net/%7Ebiosci/index.html>
(Webcrawler: bioscience) No rating
- CELLine Software for Biologists to Track Their Cell Lines CELLINE Software for your cells What if you had someone in your lab whose sole responsibility was to manage your cell lines... who used your storage space in the most efficient way... Introducing the program to manage cell line inventories and databases in your laboratory
- HUM-MOLGEN: NEWS: in Bioscience and Medicine Images: 0 Links: 18
<http://www.informatik.uni-rostock.de/HUM-MOLGEN/mail-archive/0234.html>
1 Retrieval failure (Lycos: bioscience) No rating
- Use of information in this database is subject to the guidelines of the This application consists of three separate databases of human databases are linked together through the chromosome synteny
- HUM-MOLGEN: NEWS: in Bioscience and Medicine Images: 0 Links: 25
<http://www.informatik.uni-rostock.de/HUM-MOLGEN/mail-archive/0215.html>
(Lycos: bioscience) No rating
- Index - WWW Virtual Library of Biosciences - Yeast Images: 61 Links: 60
<http://genome-www.stanford.edu/VL-yeast.html>
1 Retrieval failure (Yahoo: bioscience) No rating
- Systematic Saccharomyces Genomic Sequencing is Released! Search for Yeast SWISS-PROT Sequences, updated once a week [Sat]. Yeast Cloning Vectors: compiled by Steve Misener XREFdb: Cross-referencing the Genetics of Model Organisms with Mammalian Phenotypes Comparison of S. cerevisiae ORFs to Human ESTs from MIPS.
- vw3news 0.6, News in Bioscience and Medicine Images: 12 Links: 119
<http://www.informatik.uni-rostock.de/HUM-MOLGEN/NewsGen/>
(Webcrawler: bioscience) No rating
- Communication forum in Human Genetics | HUM-MOLGEN Communication list Books | Companies | Reviews & Summaries | Journal-Preview | Meetings | Positions | Search Archive of messages posted during May to August 1995 September to December 1995 Read and... Genline is proposed as an authoritative, expert-authored electronic publication with clinically relevant, concise, integrated and up-to-date information to assist clinicians in applying new developments in genetic testing to the diagnosis, management... Search in the biology Web servers This server searches in all the pages referenced by the Pasteur Institute Web server in its biology "pointers" pages, "Molecular Biology on the Web"Re: toxin production Images: 0 Links: 12
<http://hed.bio.ns.ca/lists/phycotoxins/msg00183.html>
(Lycos: toxin) No rating

■ * If you want to reply to the poster, you must readdress the message * (i.e., forward it) to YOULIAN@ac.dal.ca. Reply to Dr. Horner: The known domoic acid producers in genus Pseudo-nitzschia are: P. multiseriata, P. seriata, P. australis and P. delicatissima (?).

toxin production Images: 0 Links: 12 

<http://biome.bio.dfo.ca/lists/phyco toxins/msg00180.html>

(Lycos: toxin) No rating

■ To: phycotoxins@biome.bio.dfo.ca Subject: toxin production From: Rita Horner rita@ocean.washington.edu Date: Thu, 19 Oct 1995 10:32:09 0700 (PDT) Reply-To: Phycotoxins@HED.BIO.NS.CA Sender: owner-phyco toxins@biome.bio.ns.ca * The default... * If you want to reply to the poster, you must readdress the message * (i.e., forward it) to Rita Horner <rita@ocean.washington.edu>. Does anyone know if this genus produces microcystins?

toxin production rates Images: 0 Links: 12 

<http://hed.bio.ns.ca/lists/phyco toxins/msg00251.html>

(Lycos: toxin) No rating

■ To: phycotoxins@biome.bio.dfo.ca Subject: toxin production rates From: rebecca.latter@stonebow.otago.ac.nz (Rebecca Latter) Date: Tue, 20 Feb 1996 10:33:21 +1100 Reply-To: Phycotoxins@HED.BIO.NS.CA Sender: owner-phyco toxins@biome.bio.ns.ca I am... I am trying to compile a comparison table so to get an idea on the rate of toxin I could expect from my culture collection. I would prefer toxin rates in amt toxin/cell or dry weight, I'm not too fussy though anything would be helpful.

toxin production rates -Reply Images: 0 Links: 12 

<http://biome.bio.dfo.ca/lists/phyco toxins/msg00252.html>

1 Retrieval failure (Lycos: toxin) No rating

■ To: Phycotoxins@biome.bio.dfo.ca Subject: toxin production rates Reply From: Bill Trusewich TRUSEWICHB@polra.mqm.govt.nz Date: Tue, 20 Feb 1996 13:53:38 +1259 Reply-To: Phycotoxins@HED.BIO.NS.CA Sender: owner-phyco toxins@biome.bio.ns.ca Hello Becky... Each research group usually attends and presents recent work to date, so we get to hear cutting edge updates.

Re: Toxin production by Alexandrium Images: 0 Links: 12 

<http://hed.bio.ns.ca/lists/phyco toxins/msg00109.html>

1 Retrieval failure (Lycos: toxin) No rating

■ To: Phycotoxins@biome.bio.dfo.ca Subject: Re: Toxin production by Alexandrium From: Michael Scarratt SCARRATT@ac.dal.ca Date: Mon, 19 Jun 1995 13:56:10 0300 Reply-To: Phycotoxins@HED.BIO.NS.CA Sender: owner-phyco toxins@biome.bio.ns.ca * The default... * If you want to reply to the poster, you must readdress the message * (i.e., forward it) to Michael Scarratt <SCARRATT@ac.dal.ca>. in "Harrison's medium minus silicate" ref: Harrison al., J. Phycol 16:28-35 (1980).

toxin production rates -Reply Images: 0 Links: 13 

<http://biome.bio.ns.ca/lists/phyco toxins/msg00253.html>

1 Retrieval failure (Lycos: toxin) No rating

■ To: Phycotoxins@biome.bio.dfo.ca, biome.bio.dfo.ca@polra.mqm.govt.nz Subject: toxin production rates Reply From: Bill Trusewich TRUSEWICHB@polra.mqm.govt.nz Date: Tue, 20 Feb 1996 13:53:38 +1259 Mmdf-WARNING: Parse error in original version of... Each research group usually attends and presents recent work to date, so we get to hear cutting edge updates. I am always interested in the missing pieces of our biotoxin puzzle.

AlphaOmega Presents LIFE PLUS™ MICRO-MINS - Colloidal... Images: 7  Links: 11 

<http://www.mindspring.com/%7Eequiles/alpha/derived.htm>

(Webcrawler: toxin) No rating

<http://www.csn.net/healthinfo/>

(Webcrawler: toxin) No rating

Food Infections and Intoxications Images: 4 Links: 9

<http://www.exnet.iastate.edu/Pages/families/fs/inftox.html>

(Webcrawler: toxin) No rating

Possible Contaminant: Custard- or cream-filled baked goods, ham, tongue, poultry, dressing, gravy, eggs, potato salad, cream sauces, sandwich fillings Steps for Prevention: Refrigerate foods; use sanitary practices. Steps for Prevention: Properly can foods following recommended procedures; cook foods properly.

- LLNL Biology and Biotechnology Research Program - Homepage Images: 13 Links: 14



<http://www-bio.llnl.gov/bbrp/bbrp.homepage.html>

(Yahoo: bioscience) No rating

Select (by clicking on the highlighted text) the Program Director's Overview Statement page to learn more about the mission and philosophy of the LLNL Biology and Biotechnology Research Program. An overview of the program's research guides you to pages on specific research areas and centers Program Director's Overview Statement Research in Progress Program Accomplishments and Research Highlights Work for Others Biology and Biotechnology...

BioScience Ventures' Home Page Images: 6 Links: 10

<http://www.electriciti.com/palella/>

2 Retrieval failures (Alta Vista: bioscience) No rating

BioScience Ventures has served various Japanese, American and Canadian clients on a contractual basis since 1991, including such companies as Sumitomo Chemical Co.; Eisai Co.; Kanebo; Hisamitsu Pharmaceutical Co.; Mitsubishi Chemical Co.; Empryan... BioScience Ventures, Inc. also publishes directories of bioventure companies in leading-edge areas such as small-molecule combinatorial chemistry/molecular diversity and high-speed gene sequencing and localization. For more detailed information about BioScience Ventures' services and publications, please jump to the Brochure page via the hypertext link below.

STN Database Catalog Images: 1 Links: 29

<http://info.cas.org/ONLINE/CATALOG/descript.html>

(Webcrawler: bioscience) No rating

Producer: National Library of Medicine (NLM) Coverage: 1980 to date File Size: Over 95,000 records Updates: Monthly File Type: Bibliographic with indexing and abstracts Content: Research, clinical aspects, and health policy issues concerning AIDS... Producer: American Petroleum Institute Central Abstracting & Information Services Coverage: 1964 to date File Size: 509,000 records Updates: Monthly File Type: Bibliographic Content: Petroleum industry literature Language: English Cluster: ALL,... Secondary sources for APILIT and APILIT2 include Chemical Abstracts, Petroleum Abstracts, Gas Abstracts, Aqualine Abstracts, and British Maritime Technology Abstracts Bibliographic information, indexing terms, abstracts, and CAS Registry Numbers are...

NSF - National Science Foundation Images: 20 Links: 24

<http://www.nsf.gov>

(Get Links: Bioscience Linke) No rating

Improving Proposal Review NSF Focus Areas The Focus Areas feature is designed to quickly guide viewers to information in the following areas: grant/research opportunities; science trends/statistical information; news media; and science education. Number of NSF home page visitors: (info) Send comments to Webmaster@nsf.gov Last Updated: 5/17/96

Boehringer Images: 3 Links: 16

<http://biochem.boehringer.com/>

(Get Links: Bioscience Linke) No rating

There is information you may find helpful in our Web Tools and Corporate Information areas.

Journals on line (WWW VL list) Images: 1 Links: 268

<http://golgi.harvard.edu/journals.html>

2 Retrieval failures (Get Links: Bioscience Linke) No rating

(Moderated) JRNLNOTE/bionet.journals.note Advice on dealing with journals in biology. TIBS/bionet.journals.letters.tibs Letters to the Editor of Trends in Biochemical Science (Moderated) On-line Journals in Biochemistry and Molecular Biology Bio-oriented Gophers List & Index (BOING) Finding Topics on the Internet (from Nova-Links)... Riyadh, Saudi Arabia Annals of Saudi Medicine (journal) FAO The Food and Agriculture Organization of the United Nations Technical Conference on Plant Genetic Resources, Leipzig, Germany.

Nature Images: 23 Links: 40

<http://www.nature.com>

(Get Links: Bioscience Linke) No rating

International weekly journal of science > What's new in Nature News Archives and indexes In order to access the above information, we ask you first to register International science jobs International events and announcements World Market... Nature Biotechnology This site is also available at <http://www.america.nature.com> Nature Macmillan Publishers Ltd. 1996

BSI home page Images: 9 Links: 10

<http://www.blacksci.co.uk/uk/society/bsi>

(Get Links: Bioscience Linke) No rating

-
- Molecular Biology Jump Station Images: 5 Links: 219

<http://www.ifrn.bbsrc.ac.uk/gm/lab/docs/molbiol.html>

1 Retrieval failure (Webcrawler: bioscience) No rating

Places of interest to Molecular Biologists More useful biology related sites Cell and Molecular Biology Online A general resource to the academic biology community Yahoo: Molecular Biology list WWW Virtual Library: Biosciences Commercial Biotech Net... Animal Genetics Annual Review of Biochemistry Annual Review of Biophysics and Biomolecular Structure Annual Review of Plant Physiology and Plant Molecular Biology Antiviral Chemistry and Chemotherapy Applied and Environmental Microbiology Applied... Genes and Development Genes to Cells Genome Research Heredity High Temperature and Materials Science Human Molecular Genetics Immunity Immunology Immunology Today Including Immunology Today on-line Infection and Immunity Insect Molecular Biology.

Bioscience Images: 1 Links: 3

<http://www.biospace.com/industry/publications/Bioscience.html>

(Lycos: bioscience) No rating

Bioscience Linke Images: 38 Links: 49

<http://flosun.salk.edu/bio.html>

(Webcrawler: bioscience) No rating

BioSpace Images: 4 Links: 21

<http://www.biospace.com>

1 Retrieval failure (Get Links: Bioscience Linke) No rating

Synergistic Designs has developed this versatile touchstone site to help foster a global community of shared interests within the bioscience industry. New Exhibitors in BioSpace We are proud to welcome the following new companies and organizations to BioSpace:

Bristol-Myers Squibb is a diversified worldwide health and personal care company whose principal businesses are pharmaceuticals, consumer... Canji, Inc. is a leading biotechnology company in the forefront of developing innovative cancer therapeutics based on tumor suppressor genes and other cell-cycle regulators.

BioSpace Career Center Images: 3 Links: 14

<http://www.biospace.com/sd/career/index.html>

(Get Links: Bioscience Linke) No rating

Welcome to the BioSpace Career Center: your source for employment opportunities and career resources in the bioscience industry. For details call 1-888-BIOSPACE or send e-mail to sdinfo@tlg.net Keyword Search BioSpace Feedback Copyright 1996, Synergistic Designs, Inc.

- /Pub/Internet/Bioscience Images: 1 Links: 23

<http://www.cbt.ki.se/pub/in/science.html>

1 Retrieval failure (Lycos: bioscience) No rating

Modified the 6:th of Mar 1995 This page will be better organized soon Bioscience related

General Resource Information Images: 2 Links: 3

<http://www.fwl.org/seaba/members/babc/babc-r1.1.html>

(Alta Vista: bioscience) No rating

Low-cost publications available (\$6-12); Directory of Biotech companies statewide (\$175/\$300). Members of Center (\$25) get monthly calendar of bioscience events, advance notice and reduced entry fee for Center-sponsored events.

Conferences and Seminars Images: 2 Links: 3

<http://www.fwl.org/seaba/members/babc/babc-pl.1.html>

(Alta Vista: bioscience) No rating

Past conference topics have included: Women's Careers in Bioscience, Health Care Reform, Bioscience Facilities Development, Patents, Low-level Radioactive Waste, Technology Transfer, etc. 1994 Conferences: Clinical Trials for the Non-Expert, Human Resources in Bioscience, Facilities growth, Investor Relations, Business & Legal Luncheon series. Plan for 1995: Facilities Growth, Communications, Business & Legal Luncheon series.

Promega Images: 22 Links: 22

<http://www.promega.com>

(Get Links: Bioscience Linke) No rating

Promega Catalog ONLINE Technical Resources Selected Product Areas New Products/New Literature Promega Publications Online Roche v. Promega Updates Express T-shirt Design Contest Non-Radioactive Alternatives BioLink Resources Summer Courses Promega...

- Positions in Bioscience and Medicine Images: 1 Links: 25

<http://www.informatik.uni-rostock.de/HUM-MOLGEN/anno/position.html>

(Yahoo: bioscience) No rating

At this time every position has an average three-digit WWW access. Announcements entered in the last 14 days Clinical Positions entered in the last 14 days Liability and Copyright Statement WWW: Kai Garlipp, Frank S. Zollmann Copyright © 1995 Frank S. Zollmann / HUM-MOLGEN

Job Openings at Roche Bioscience Images: 3 Links: 51

http://webster.syntex.com/bioscience/jobs/jobs_menu.html

(Webcrawler: bioscience) No rating

Welcome to ransom hill bioscience, inc. Images: 4 Links: 4

<http://www.ransomhill.com/>

2 Retrieval failures (Webcrawler: bioscience) No rating

- tbh-roles-English Images: 0 Links: 0

<http://ss.cc.affrc.go.jp/tbh/tbh-role-e.html>

(Alta Vista: bioscience) No rating

The Tsukuba Bioscience Hall, sited at the Tsukuba International Complex of the Ministry of agriculture, Forestry and Fisheries, Tsukuba, was established in May 1989, by the Ministry of Agriculture, Forestry and Fisheries for the purposes of... As well as joint research among the Ministry's own research groups, industries, universities, other national institutes and overseas groups, international workshops, symposiums, lectures and seminars are the activities conducted at the Tsukuba... Using research leaders from national research institutes, the ministry forms groups with other ministries' researchers, overseas researchers, universities and the private sector to conduct constructive joint research programs.

Welcome to Roche Bioscience Images: 10 Links: 1

<http://webster.syntex.com/bioscience/roche2.html>

(Webcrawler: bioscience) No rating

Two small, integrated business units form the nucleus of the company. To facilitate rapid proof of concept, we have a flat management structure in which research program leaders report directly to unit heads. They are working on advanced compounds to treat rheumatoid arthritis and other inflammatory conditions as well as osteoporosis and osteoarthritis.

bioSCIENCE Career Fairs Images: 8 Links: 46

<http://sgcn.aaas.org/sgcn/career-fair.html>

1 Retrieval failure (Webcrawler: bioscience) No rating

United States (238) Term(s) to narrow your search: Search Both Issues Search Current Issue Only [HELP Searching Recruitment Ads] To search the available advertisements, fill in any or all of the above fields, then click the "Submit Search" button.

- SCOP: Superfamily: Pertussis toxin, S2/S3 subunits, N-terminal domain Images: 11

Links: 15

<http://pdb.pdb.bnl.gov/scop/data/scop.1.004.036.002.html>

(Alta Vista: toxin) No rating

This document contains non-English or symbolic text.

SCOP: Family: Pertussis toxin, S2/S3 subunits, N-terminal domain Images: 11 Links: 15

<http://pdb.pdb.bnl.gov/scop/data/scop.1.004.036.002.001.html>

(Alta Vista: toxin) No rating

This document contains non-English or symbolic text.

SCOP: Family: Diphtheria toxin, C-terminal domain Images: 11 Links: 15

<http://xtal200.harvard.edu:8000/scop/data/scop.0.002.027.001.001.html>

(Alta Vista: toxin) No rating

■ This document contains non-English or symbolic text.

ABC Bücherdienst - Toxin - Images: 1 ■ Links: 18 ■

<http://home.telebuch.de/themen/TOXI6000.htm>

1 Retrieval failure (Webcrawler: toxin) No rating

■ This document contains non-English or symbolic text.

SCOP: Superfamily: Pertussis toxin, S2/S3 subunits, N-terminal domain Images: 11 ■

Links: 17 ■

<http://pdb.pdb.bnl.gov/scop/data/scop.1.004.036.002.000.html>

(Alta Vista: toxin) No rating

■ This document contains non-English or symbolic text.

-
- Martindale's: Bioscience: Databases & Courses Images: 3 ■ Links: 284 ■

<http://www-sci.lib.uci.edu/%7Emartindale/GradBioscience.html>

(Webcrawler: bioscience) No rating

■ Martindale's Graduate & Undergraduate Center THE "VIRTUAL" BIOSCIENCE CENTER World Daily Reports What's Happening Today? Cen America South America Europe Africa Near/Middle East Your Location is here; Earth Day and Night; Earth Maps; Earth's Features; Moon or Planets Position Foreign Languge: For Travelers or Dictionaries Current World Wide Daily Reports include Globe Data; Global Weather; Global Weather Montage

JHT Service Products, Inc. Images: 0 Links: 0

<http://www.enhancenet.com/jht/td32.html>

(Alta Vista: toxin) No rating

■ Pol-X A toxin cleanser used for pollution, x-rays and radiation and the resulting toxic build-up. A commonly used formula in pollution-laden cities.

-
- DSP toxin acceptance levels Images: 0 Links: 12 ■

<http://hed.bio.ns.ca/lists/phycotoxins/msg00053.html>

(Lycos: toxin) No rating

■ To: phycotoxins@hed.bio.ns.ca Subject: DSP toxin acceptance levels From: Michael=W=Gilgan%INSP%DFOSF@SFNET.DFO.CA Date: Tue, 28 Feb 95 10:11:17 AST Reply-To: Michael=W=Gilgan%INSP%DFOSF@SFNET.DFO.CA Sender: owner-phycotoxins@biome.bio.ns.ca * Any... >The placing of shellfish on the market in Europe is regulated by EC >Directive 91/492 which states that " the customary biological testing >methods must not give a positive result to the presence of Diarrhetic >Shellfish Poison (DSP) in... Most countries seemed to be using a variation of the Japanese level, which was more or less 20 ug combined Okadaic Acid and DTX/100 g shellfish soft tissue, since the Japanese were the only ones who had experience both with quantifying the toxin and...

Toxin's Home Page Images: 12 ■ Links: 10 ■

<http://ccwf.cc.utexas.edu/%7Etoxin/>

1 Retrieval failure (Webcrawler: toxin) No rating

■ This is just experimentation right now. A UT Austin student graphics by Harlan Wallach copyright 1994

BioSupply Net Images: 16 ■ Links: 20 ■

<http://www.biosupplynet.com/bsn/>

1 Retrieval failure (Get Links: Bioscience Linke) No rating

■ [BioSupplyNet](#), Your Resource for Biomedical Supplies & Services Download Netscape 2.0 which is necessary for proper viewing of the enhanced site Copyright 1995, 1996 BioSupplyNet.

[Pharmacia Images](#): 27 [Links](#): 34

<http://www.biotech.pharmacia.se>

(Get Links: Bioscience Linke) No rating

■ Important information to get the best out of this Site: This site is optimized for Netscape 1.2 or later. PDF is the native format of Adobe Acrobat™ To download a free copy of the latest Acrobat Reader, click [HERE](#) ! For technical and other inquiries about Pharmacia Biotech products and services,

[J Immunol Images](#): 0 [Links](#): 4

<http://199.170.0.125/JI>

(Get Links: Bioscience Linke) No rating

■ If you have reached this page then one of the following problems has occurred: If the URL starts <http://journals.at-home.com/> You have followed a bookmark with the IP address instead of our name If you followed a bookmark to get here, edit the bookmark and check to see that the host address is "journals.at-home.com" and not "199.170.0.125".

-
- [Karolinska Institutet, Dept. of Bioscience, Sweden Images](#): 15 [Links](#): 13

<http://www.cbt.ki.se/jobs/>

1 Retrieval failure (Yahoo: bioscience) No rating

■ Job Opportunities The Karolinska Institutet, Department of Bioscience, offers job and research opportunities in the field of bioscience. Postdoctoral Fellowship in Molecular Genetics <http://www.cbt.ki.se/jobs/!Default.html> was last updated 1996-01-08 by Magnus Zeisig

[Index - Meetings in Bioscience and Medicine Images](#): 2 [Links](#): 20

<http://www.informatik.uni-rostock.de/HUM-MOLGEN/anno/meetings.html>

(Yahoo: bioscience) No rating

■ Announcements entered in the last 14 days Abstracts of the 2nd Workshop Neurogenetics, Germany Liability and Copyright Statement WWW: Kai Garlipp, Frank S. Zollmann Copyright © 1995 Frank S. Zollmann / HUM-MOLGEN

[Alta Bioscience Images](#): 22 [Links](#): 36

http://www.bham.ac.uk/Alta_Bioscience/home_page.html

(Yahoo: bioscience) No rating

■ Alta Bioscience is an expert, self funding, Biochemical laboratory working within The University of Birmingham. The unit offers a well established and comprehensive range of synthetic, sequencing and analytical methodologies, which are available to all. It is committed to providing high quality products and analytical facilities at competitive prices and enables a diversity of groups from both academe and industry to have access to specialised techniques, experience and equipment.

[EBML - European Molecular Biology Laboratory Images](#): 6 [Links](#): 16

<http://www.embl-heidelberg.de>

(Get Links: Bioscience Linke) No rating

■ Author: Webmaster Last Modified, Monday 22 April 1996

[Clontech Images](#): 10 [Links](#): 19

<http://www.clontech.com>

(Get Links: Bioscience Linke) No rating

■ We are excited about this newly available medium for communicating and exchanging

ideas with you. We hope that offering our product information, general information about CLONTECH, and employment opportunities via the Internet will be an added convenience, enabling you to access vital information immediately and at your convenience. Our goal is to become "the Gateway to Information" for life science research and thus aim to continue to expand our offerings.

Jackson Laboratory Images: 2  Links: 40 

<http://www.jax.org>

(Get Links: Bioscience Linke) No rating

 Founded in 1929, The Jackson Laboratory has a threefold mission: to conduct research in basic genetics and the role of genes in health and disease; to educate the scientific community; and to provide genetically defined mice and other genetic... Animal Resources JAX Mice Price List 1995 JAX Notes Technical Support Animal Health Report Lane List of Named Mutations Polymorphic Loci Mouse Nomenclature Rules and Guidelines Neurology News Ophthalmology News Induced Mutant Resource (Transgenic and... 1996 Courses and Meetings Cryopreservation of Mouse Embryos Spring Course Short Course in Medical and Experimental Mammalian Genetics Biotechnology: Products, Policy and the Public Experimental Genetics of the Laboratory Mouse Second Biennial...

Molecular Probes Images: 9  Links: 7 

<http://www.probes.com>

(Get Links: Bioscience Linke) No rating

 "Committed to being the leading provider of novel fluorescent reagents and techniques that advance scientific and biomedical research worldwide." Copyright 1996 by Molecular Probes, Inc. Legal notices and trademark attributions. For questions, comments or problems regarding this service, contact the webmaster Updated May 19, 1996

Sigma Images: 15  Links: 20 

<http://www.sigma.sial.com/sigma/sigma1b.htm>

(Get Links: Bioscience Linke) No rating

Entrez Images: 2  Links: 15 

<http://www3.ncbi.nlm.nih.gov/Entrez>

2 Retrieval failures (Get Links: Bioscience Linke) No rating

 WWW Entrez now has access to the NCBI Genomes Database, with Graphical views of all Genome and Sequence Entries!! How to search using WWW Entrez How to create WWW links to Entrez General Information about the WWW Entrez Databases Information about the WWW 3-D Structures Database (MMDB) Obtaining the Network version of Entrez Search WWW Entrez

Pedro's Tools Images: 13  Links: 24 

http://www.fmi.ch/biology/research_tools.html

(Get Links: Bioscience Linke) No rating

SciWeb: The Web Site for Bioscience Professionals Images: 22  Links: 18 

<http://sciweb.com/>

(Webcrawler: bioscience) No rating

 SciWeb is an Internet-based information service designed to answer the information needs of the life science community academic biologists; pharmaceuticals, diagnostics and health care professionals; companies servicing the bio-industry. Sciweb is dedicated to the assembly and presentation of a variety of relevant and timely information to match the needs of this community. Receive up to date listings right in your e-mail box

SciWeb: The Web Site for Bioscience Professionals Images: 22  Links: 18 

<http://www.sciweb.com/>

(Webcrawler: bioscience) No rating

 SciWeb is an Internet-based information service designed to answer the information

needs of the life science community academic biologists; pharmaceuticals, diagnostics and health care professionals; companies servicing the bio-industry. Sciweb is dedicated to the assembly and presentation of a variety of relevant and timely information to match the needs of this community.

http://mwanal.lanl.gov/julie/Strategic_Plan/AppendixB/cst-4.html

(Alta Vista: bioscience) No rating

These interdisciplinary activities reinforce and augment the core competencies of the Division and the Laboratory in supporting our defense core and reflect our commitment to a strong multi-program Laboratory. Solution structures of Gene 5 protein from fd phage complexed with single-strand DNA and RNA Structural dependence on nucleotide type and sequence General method for testing very large numbers of models using readily available computer resources Gene 5 protein is one of the important classes of helix destabilizing proteins widely implicated in DNA replication, recombination and repair Methods

Department of Bioscience at NOVUM Images: 14 Links: 16

<http://www.mednut.ki.se/>

2 Retrieval failures (Webcrawler: bioscience) No rating

The department is located at the NOVUM Research Park in Huddinge, 15 km SSE of Stockholm. The main areas of research is molecular biology, molecular immunology and receptor biology at CBT, nutrition and genotoxicity of environmental pollutants at CNT, and structural biochemistry using X-ray crystallography, electron microscopy, nuclear...

<http://www.cbt.ki.se/!Default.html> was last updated 1996-01-08 by Magnus Zeisig

Yahoo: Biomedical Companies Images: 3 Links: 165

http://www.yahoo.com/Business_and_Economy/Companies/Biomedical/

1 Retrieval failure (Get Links: Bioscience Linke) No rating

Business and Economy:Companies:Biomedical Options Search all of Yahoo Search only in Biomedical Directories (13) Consulting (31) Device Manufacturers (27) Software@ Training (1) Advanced ChemTech, Inc. (3) Advanced Genetic Technologies Corp AGTC... ANAWA Trading SA monoclonal antibodies, organic synthesis and radio-labelling services for the research and pharmaceutical industries. CYTO-TECH Industries Inc specializes in drug metabolite preparation using artificial liver enzyme technology in pharmaceutical industries.

Journals on line (Pedro's list) Images: 163 Links: 228

http://www.public.iastate.edu/~pedro/rt_journals.html

(Get Links: Bioscience Linke) No rating

J Biol Chem Images: 12 Links: 15

<http://www-jbc.stanford.edu/jbc>

(Get Links: Bioscience Linke) No rating

THE FREE TRIAL IS ENDING JUNE 1 The Journal of Biological Chemistry is published by the American Society for Biochemistry and Molecular Biology The Journal of Biological Chemistry Online is co-published with Stanford University's HighWire Press(TM)...

-
- SCOP: Protein: scorpion toxin from (Images: 15 Links: 22)
<http://pdb.pdb.bnl.gov/scop/data/scop.1.007.002.006.001.003.html>
(Alta Vista: toxin) No rating

Root: scop Class: Small proteins Usually dominated by metal ligand, heme, and/or disulfide bridges Fold: Small inhibitors, toxins, lectins disulphide-bound fold; contains beta-hairpin with two adjacent disulphides Superfamily: Scorpion toxin-like... Inra Inrb Enter search key: Generated from scop database 1.22 with scopm 1.66 on Tue Aug 22 14:13:29

BST 1995 Copyright 1995 The scop authors / scop@mrc-lmb.cam.ac.uk

SCOP: Protein: scorpion toxin from (Images: 15 Links: 22

<http://pdb.pdb.bnl.gov/scop/data/scop.1.007.002.006.001.002.html>

(Alta Vista: toxin) No rating

Root: scop Class: Small proteins Usually dominated by metal ligand, heme, and/or disulfide bridges Fold: Small inhibitors, toxins, lectins disulphide-bound fold; contains beta-hairpin with two adjacent disulphides Superfamily: Scorpion toxin-like...

SCOP: Fold: Common fold of diphtheria toxin/transcription factors/cytochrome f Images: 35

Links: 57

<http://prosci.biomol.uci.edu/scop/data/scop.1.002.002.000.000.000.html>

(Alta Vista: toxin) No rating

SCOP: Family: Diphtheria toxin, C-terminal domain Images: 11 Links: 15

<http://pdb.pdb.bnl.gov/scop/data/scop.1.002.002.001.001.html>

(Alta Vista: toxin) No rating

AB5 bacterial toxin project Images: 3 Links: 2

http://brie.bchem.washington.edu/projects/toxins_1994.html

(Lycos: toxin) No rating

The lunar surface is the outer membrane of an intestinal epithelial cell. The class of AB5 toxins may be subdivided into families based on sequence homology and catalytic activity. The toxin recognizes the branched pentasaccharide portion of GM1 which protrudes from the exterior membrane surface.

Millipore Corporation Images: 1 Links: 53

<http://www.millipore.com>

(Get Links: Bioscience Linke) No rating

[What's New |Tech Service |Local Offices |Ordering |Search| Corporate Analytical Pharm/Bio Microelectronics Lab Water What's New What's New What's New What's New What's New Investor Information Product Catalog Product Catalog Product Catalog Product... There are over 3,500 of us worldwide, 10,000 products and systems, and 40 years of expertise in applications ranging from bacteria testing of water, to sterilization of biopharmaceutical proteins, to eliminating contamination from gases used in... Millipore has local offices around the world Some of our pages require a form and table capable browser like Netscape Navigator 1.1 We encourage comments about this server!

SCOP: Superfamily: delta-Toxin Images: 11 Links: 14

<http://www.peri.co.jp/scop/data/scop.1.008.005.001.html>

(Alta Vista: toxin) No rating

Root: scop Class: Peptides Peptides with less than 25 residues and fragments. delta-Toxin

(1) Enter search key: Generated from scop database 1.22 with scopm 1.66 on Tue Aug 22

14:13:29 BST 1995 Copyright 1995 The scop authors / scop@mrc-lmb.cam.ac.uk

-
- aabagentindex Images: 0 Links: 0

<http://www.bioinfo.com/biotech/aabagentindex.html>

(Webcrawler: toxin) No rating

70K protein, HIV antibodies Dec., p. 359 castanospermine, 6-O-butanoyl- (use bucast)

CD4 inserted into erythrocytes Oct., p. 293 diphtheria toxin, HIV activated gene May, p. 139

aabindexesall Images: 0 Links: 0

<http://www.bioinfo.com/biotech/aabindexesall.html>

(Webcrawler: toxin) No rating

Organization, Agent, Virus/Disease and Keyword Indexes to news articles from 1994

issues of the Antiviral Agents Bulletin are presented below. Index entries refer to the issue month and page numbers on which articles begin. Academic Press Oct., p. 299

- Computational Bioscience and Engineering Lab (CBEL), DCRT Images: 3  Links: 2 
<http://tmp.dcrct.nih.gov/dcrct/CBEL.html>
1 Retrieval failure (Webcrawler: bioscience) No rating
 Chief, Robert Martino, Ph.D. Overview: The Computational Bioscience and Engineering Laboratory (CBEL) is devoted to the exploitation of high performance computer systems in biomedical applications, including image processing, structural biology,... Members of CBEL strive to identify and solve those computational problems in biomedicine that can benefit from high performance hardware, modern software engineering principles, and new and efficient algorithms.
AlphaOmega Presents LIFE PLUS™ COMBAT - Immune System... Images: 7  Links: 11 
<http://www.mindspring.com/%7Eequiles/alpha/immune.htm>
(Webcrawler: toxin) No rating
 COMBAT is a specific nutritional product that supports the body's natural defenses, which helps control infections associated with such conditions as colds and flu. It contains a unique combination of vitamins, minerals, herbs and certain concentrated tissue nutrients, for this special synergistic effect. COMBAT provides many nutrients that synergistically support the immune system with the special nutrients it needs to combat infections of all types, especially those associated with the common cold and flu.
Treatment of Spasmodic Dysphonia with Botulinum Toxin Images: 9  Links: 3 
<http://www.grand-rounds.com/1no2SpasDysphonia.html>
(Alta Vista: toxin) No rating
 A 59-year-old woman developed gradual dysphonia six years prior to her presentation. She had a complete neurologic evaluation which was unremarkable and the conclusion was that of spasmodic dysphonia. The patient was then referred for evaluation and management.
Botulinum Toxin for Treatment of Blepharospasm Images: 5  Links: 3 
<http://www.grand-rounds.com/1no2Blepharospasm.html>
(Alta Vista: toxin) No rating
 The patient is a 54-year-old woman seen for evaluation of excessive blinking. This began approximately three years ago, was gradual in onset and progressive, so that she has intermittent episodes of sustained involuntary eye closure. This has caused significant functional disability including inability to drive and a tendency to bump into furniture.
-

- Frontiers in Bioscience Images: 1  Links: 2 
<http://www.allworld.com/bioscience/>
(Webcrawler: bioscience) No rating
 The new address is www.bioscience.org
myPlanet Site List Images: 0 Links: 2 
<http://www.myplanet.com/>
(Webcrawler: bioscience) No rating
 "Frontiers in Bioscience" is a peer reviewed journal and serves as a platform for publishing high quality manuscripts in all fields in biology and medicine. In addition, this

site will provide scientists and physicians with information that is useful to them in their day-to-day activities. If you're looking for a Presence Provider that can take away the confusion and provide your organization with the quality of service you deserve, myPlanet is your source.

Medical Information Resources Images: 2  Links: 13 

<http://www.healthpartners.com/health.html>

(Webcrawler: bioscience) No rating

 This list is by no means extensive; we've tried to include servers that have lots of links to other servers. Also includes an extensive list of links to universities and colleges. If your browser is capable of using forms, it has an excellent search form at the bottom of the page that allows you to search through WWW, gopher, and galaxy pages for topics you specify.

BACHEM Bioscience Inc. Images: 1  Links: 1 

<http://www.ispex.ca/diapharm/bachem.html>

1 Retrieval failure (Lycos: bioscience) No rating

 BACHEM Bioscience Inc. is the largest independent contract manufacturer of pharmaceutical grade bulk peptides and peptide mimetics. The firm specializes in large scale ultra pure drug production following cGMP guidelines. Furthermore, the company is a contract research organization developing optimal processes for the manufacture of drugs and is a main provider of custom synthesis services. A catalog including over 6000 research reagents made "in-house" is distributed free of charge to scientists world wide.

general information Images: 14  Links: 16 

<http://www.bioscience.org/bioscience/library.htm>

(Alta Vista: bioscience) No rating

 The forms that are provided in various directories of vital links for searching various search engines are not created for a monetary value rather to help the busy scientists to conveniently and efficiently find the information that they are looking... The first time users are encouraged to visit the original site to become familiar with the terms and conditions of the use of such engines. "Product Gallery" contains a list of major companies which offer research products.

U of M: Online Pathology Handbook Images: 0 Links: 0

http://www.pds.med.umich.edu/refs/UMPathHandbook/Path_Lab_Handbook/Clostridiumxdi fficilexCult.html

(Lycos: toxin) No rating

 Routine TAT: Preliminary culture results and toxin A results reported within 24 hrs, Monday-Friday on green interim patient charts and are available at any time by computer terminal inquiry. Complete requisition with patient's full name, registration number, location, doctor, doctor number, test requested, SPECIMEN SOURCE, collection date and time. Container: Clean container with tight fitting lid for fresh specimen (preferred) or stool culture transport with salmon colored cap is available from Microbiology Laboratory, 2F461 University Hospital.

Botox Injection for Laryngeal Spasmodic Dysphonia Images: 6  Links: 2 

<http://weber.u.washington.edu/%7Eotoweb/botox.html>

(Webcrawler: toxin) No rating

 It's effect is almost always noted by 48 72 hours and the full effect is established usually by one week, but sometimes as late as two weeks. Over time, the connection between the nerve and the muscle grows back, and therefore, the effect of botox is temporary. There appears to be some variation even with identical injections so that in some cases, a greater effect or a lesser effect is experienced when compared to the previous identical injection.

ShadowFAQ Images: 1  Links: 45 

<http://fas-www.harvard.edu/%7EEdward/ShadowFAQ.html>

(Webcrawler: toxin) No rating

■ This page updated every so often and is meant to answer some FAQ (frequently asked questions) about FASA's Shadowrun and to suggest some house rules which hope to fix some of Shadowrun's deficiencies. Entirely new rules systems and/or long, radically different rules are not included in these posts, for the sake of brevity, if nothing else. The intent of these posts is to modularize each house rule into simple components which may be mixed and matched.

NIH - National Institutes of Health Images: 2 Links: 10

<http://www.nih.gov>

1 Retrieval failure (Get Links: Bioscience Linke) No rating

■ What's New at NIH Welcome to NIH News & Events Health Information Grants and Contracts Scientific Resources Institutes & Offices Please send general questions about NIH and its biomedical research programs to the Office of Communications Technical...

Dictionary of Cell Biology Images: 4 Links: 16

<http://www.mblab.gla.ac.uk/~julian/Dict.html>

(Get Links: Bioscience Linke) No rating

■ Copyright 1995 Academic Press Limited Results of searches are provided as a free service to individuals for personal study only. Information gained from this server may not be saved, printed, copied or re-transmitted in any form without the written consent of Academic Press. About the Dictionary The Dictionary of Cell Biology was first published in 1989, and has since been translated into several languages.

ATCC Images: 13 Links: 25

<http://www.atcc.org>

(Get Links: Bioscience Linke) No rating

■ ATCC is a global bioscience organization that provides biological products, technical services, and educational programs to private industry, government, and academic organizations around the world. The mission of the ATCC is to acquire, authenticate, and maintain reference cultures, related biological materials, and associated data, and to distribute these to qualified scientists in government, industry, and education. ATCC catalogs printed | diskette | CD-ROM | on-line search

PharMingen Images: 12 Links: 9

<http://www.pharmingen.com>

(Get Links: Bioscience Linke) No rating

■ Our website is currently under construction and we welcome any comments and suggestions you may have on our site and its features. Please press a button below to select the information you wish to link to. You can also find links to popular science-related sites, a complete, up-to-date product list as well as employment opportunities at PharMingen.

Immunology Today Images: 23 Links: 14

<http://www.elsevier.com:80/section/clinmed/immuno/itowwww.htm>

(Get Links: Bioscience Linke) No rating

■ Developments in basic and clinical immunology are reviewed by leading scientists to provide an invaluable information resource for researchers, teachers and students. More details and access to subscription information are available here This Web site will act as a focus for providing access to the wealth of articles in Immunology Today Online, as well as providing a stepping stone to other Web sites of note for... Whilst the Publishers and Editors make commercially reasonable efforts to see that no inaccurate or misleading data, opinion or statement appears on this Web page, they wish to make it clear that the data and opinions appearing in the sites accessed...

American Type Culture Collection Images: 13 Links: 25

<http://www.atcc.org/atcc.html>

(Yahoo: bioscience) No rating

■ ATCC is a global bioscience organization that provides biological products, technical services, and educational programs to private industry, government, and academic organizations around the world. The mission of the ATCC is to acquire, authenticate, and maintain reference cultures, related biological materials, and associated data, and to distribute these to qualified scientists in government, industry, and education.

- Fukui Prefectural University WWW Server Home Page Images: 0 Links: 32 
<http://www.fpu.ac.jp/index.html>
■ (Webcrawler: bioscience) No rating
- Integra Biosciences GmbH Images: 5  Links: 6 
<http://vmm.tzm.uni-giessen.de/messe/firmen/i/integra/messe/integra.htm>
■ (Yahoo: bioscience) No rating
- Biosciences Newgroup/Mailing List Archive Images: 0 Links: 0
<http://www.w3.org:8001/net.bio.net/biosci?>
■ (Yahoo: bioscience) No rating
- Palmer 1996 BioScience Images: 4  Links: 2 
<http://gause.biology.ualberta.ca/palmer.hp/pubs/96BioSci/96BioSci.htm>
(Alta Vista: bioscience) No rating
- And so the history of the literature on morphological asymmetry progressed, fitfully and capriciously, from anecdotal observations and entertaining stories, to extensive compilations of conspicuous asymmetries (Ludwig 1932, Neville 1976). One kind of asymmetry, fluctuating asymmetry, has been advanced as a tool for inferring the health or quality or developmental stability of organisms. However, when used with care, fluctuating asymmetry offers a unique tool for quantitative comparisons of developmental precision among a wide range of organisms and traits.
- Tsukuba Bioscience Hall Images: 1  Links: 9 
<http://ss.cc.affrc.go.jp/tbh/tbh-info.html>
■ (Webcrawler: bioscience) No rating
- <http://med-med1.bu.edu/biomole.html> Images: 1  Links: 1 
<http://med-med1.bu.edu/biomole.html>
1 Retrieval failure (Webcrawler: toxin) No rating
- In addition, the study of the molecular genetics of growth and differentiation will provide information on basic molecular mechanisms involved in the definition and maintenance of cell identity. These studies are likely to enhance our understanding of how the breaching of such regulatory barriers may lead to neoplasia and developmental growth abnormalities. The Section has active and ongoing collaborations with a number of other Sections within the Department of Medicine and Boston University School of Medicine.
http://www.ucmb.ulb.ac.be/pdb_annot_jan94 Images: 0 Links: 0
http://www.ucmb.ulb.ac.be/pdb_annot_jan94
(Webcrawler: toxin) No rating
- L. L. Walsh, "Annotated PDB File Listing", personal communication, (1994). LLW was supported by a grant from the National Science Foundations (NSF-DIR90-19063) during the early development of this work. Date begun: November, 1990 Latest revision: April, 1994 (includes Jan, 1994 update) This file is an annotation of all of the Brookhaven Protein Data Bank files with actual coordinates.
- NLM - U.S. National Library of Medicine Images: 8  Links: 11 
<http://www.nlm.nih.gov>
(Get Links: Bioscience Linke) No rating
- About the U.S. National Library of Medicine (NLM) New Noteworthy NLM Services

NLM Databases NLM Publications NLM Research Activities Grants Contracts Search Index
| Contacting NLM U.S. National Library of Medicine National Institutes of Health...

Molecular Dynamics Images: 15 Links: 27

<http://www.mdyn.com>

(Get Links: Bioscience Linke) No rating

What's New Images of the Month Product Information Brochures Application Notes
Fluorescence Users Group Current Advertising Service Support Job Opportunities Company
Overview How To Contact Us SEARCH LITERATURE REQUEST HELP Copyright
©1995-1996...

Cell Images: 9 Links: 12

<http://www.cell.com>

(Get Links: Bioscience Linke) No rating

Science Images: 16 Links: 18

<http://www.aaas.org/science/science.html>

(Get Links: Bioscience Linke) No rating

<http://flosun.salk.edu> Images: 12 Links: 19

<http://flosun.salk.edu>

(Get Links: Bioscience Linke) No rating

-
- The World-Wide Web Virtual Library: Biosciences Images: Links:
<http://golgi.harvard.edu/biopages/all.html>
3 Retrieval failures (Webcrawler: bioscience)
BIO Member List (BIO) Images: Links:
<http://cns.bio.com/bio/biomembr.html>
5 Retrieval failures (Webcrawler: bioscience)
BIOSCIENCE SITES Images: Links:
<http://bioc02.uthscsa.edu/biotech.html>
3 Retrieval failures (Lycos: bioscience)
Kalyx Bioscience Inc Images: Links:
<http://www.io.org/~kalyx/>
3 Retrieval failures (Yahoo: bioscience)
Institute of Biosciences and Bioengineering Images: Links:
<http://www-bioc.rice.edu/Institute/index.html>
8 Retrieval failures (Yahoo: bioscience)
FAQ - Biosciences Images: Links:
gopher://life.anu.edu.au/00/molecular_biology/biosci.FAQ
3 Retrieval failures (Yahoo: bioscience)
BioScience Digest Images: Links:
<http://www.core.co.uk/core/>
3 Retrieval failures (Yahoo: bioscience)
AIBS gopher Images: Links:
<gopher://aibs.org>
3 Retrieval failures (Yahoo: bioscience)
Agriculture / Biosciences Information Sources Images: Links:
<http://aruba.nysaes.cornell.edu:8000/biosci.htm>
3 Retrieval failures (Yahoo: bioscience)
Biosciences - WWW Virtual Library Images: Links:

<http://golgi.harvard.edu/biopages.html>
3 Retrieval failures (Get Links: Bioscience Linke)
No Title Images: Links:
<http://www.biochem.ucl.ac.uk/bsm/pdbsum/1omb/pdbhead.txt>
3 Retrieval failures (Alta Vista: toxin)
No Title Images: Links:
<http://tigger.uic.edu/~crockett/Cases/case3tox.html>
3 Retrieval failures (Alta Vista: toxin)
Frontiers in Bioscience Images: Links:
<http://genome.eerie.fr/bioscience/>
3 Retrieval failures (Alta Vista: bioscience)
Frontiers in Bioscience Images: Links:
<http://genome.eerie.fr/bioscience/homepage.html>
3 Retrieval failures (Alta Vista: bioscience)
Feedback Images: Links:
<mailto:suggestions.altavista@pa.dec.com>
8 Retrieval failures (Alta Vista: bioscience)
Lcg Bioscience Images: Links:
<http://www.bioscience.com/>
3 Retrieval failures (Webcrawler: bioscience)
<http://gophisb.biochem.vt.edu/resources/pubs.lst> Images: Links:
<http://gophisb.biochem.vt.edu/resources/pubs.lst>
5 Retrieval failures (Webcrawler: bioscience)
Cholera toxin Images: Links:
<http://monera.ncl.ac.uk/path/cholera.html>
3 Retrieval failures (Lycos: toxin)
BLEPHAROSPASM Images: Links:
<http://www.iii.net/biz/dystonia/blephar1.html>
3 Retrieval failures (Webcrawler: toxin)
SPASMODIC TORTICOLLIS Images: Links:
<http://www.iii.net/biz/dystonia/spastort.html>
3 Retrieval failures (Webcrawler: toxin)
Spasmodic dysphonia Images: Links:
<http://www.iii.net/biz/dystonia/spasdyp.html>
3 Retrieval failures (Webcrawler: toxin)
Biotech Company WWW Registry Images: Links:
<http://www.data-transport.com>
3 Retrieval failures (Get Links: Bioscience Linke)
Lab Pages Buyers Guide Images: Links:
<http://www.labpages.com>
3 Retrieval failures (Get Links: Bioscience Linke)
Fisher Images: Links:
<http://www.fisher1.com>
3 Retrieval failures (Get Links: Bioscience Linke)
R&D Systems Images: Links:
<http://www.rndsystems.com>
3 Retrieval failures (Get Links: Bioscience Linke)

Annex D

The World-Wide Web Virtual Library: Biotechnology

Biotechnology

- ABC Agricultural Biotechnology Center (Hungary)
<http://www.abc.hu/>
- BIAweb by Bio Sensor Biomolecular interaction analysis.
<http://www.pharmacia.se/biosensor/>
- BC Biotechnology Register British Columbia
<http://biotech.bc.ca/bcba>
- BCM Search Launcher Baylor Human Genome Center
<http://gc.bcm.tmc.edu:8088/search-launcher/launcher.html>
- Biotech BiblioNet
<http://www.azc.com/client/sage/biotech/biotech.htm>
- BITMED Laboratory for Biological Informatics and Theoretical Medicine
<http://bitmed.ucsd.edu/>
- BIO-Online
<http://cns.bio.com/bio.html>
- BioData Navigator bioscience related information
<http://www.biodata.com/>
- BioMedNet Internet club for researchers and clinicians.
<http://www.biomednet.com/>
- Biotech Company Web Registry
<http://www.data-transport.com/>
- Biotech Information Center USDA National Agricultural Library (Univ. of Maryland)
<http://www.inform.umd.edu/EdRes/Topic/AgrEnv/Biotech/>
- Biotechnology Law Web Sever (Foley & Lardner)
<http://biotechlaw.ari.net/>
- BioWeb: Information Resource for Biologists
<http://www.bioweb.com/>
- BEST North America Web Server (USA)
<http://best.gdb.org/best.html>
- Bioline Publications a wide variety of biosciences publications made available by BDT the Tropical Database (Brazil)
<http://www.bdt.org.br/bioline/>
- BioSpace BioSpace was developed to help foster a worldwide community of shared interests within the biotech industry.
<http://www.biospace.com/>

- BioServe Univ. of Colorado, Kansas State Univ. and NASA Space Research Opportunities/
<http://stripe.colorado.edu/~bioserve/>
- Biotech Brief Publication for researchers, business development people, patent lawyers, policy makers and others.
<http://www.vyne.com/bcc/>
- BMJ The British Medical Journal
<http://www.bmj.com/bmj/>
- Business Communications Co. Hard to Find Technical Information
<http://www.vyne.com/bcc/>
- BCC Business Opportunity Reports
http://www.vyne.com/bcc/bcc_reports.html
- CAB INTERNATIONAL Scientific and technical information in agriculture, forestry, human health and natural resources.
<http://www.cabi.org/>
- Cambridge Healthtech Institute (USA) (see courses and seminars under CHI)
<http://id.wing.net/~chi/homepg.html>
- Canadian Biotech News
<http://www.biotech.ca/>
- CatoSource Directory of products and services to the biotechnology and pharmaceutical industries.
<http://www.catosource.com/>
- Center for Advanced Training in Cell and Molecular Biology
<http://www.cua.edu/www/catc>
- Center for Drug Development Sciences Georgetown Univ.
<http://www.dml.georgetown.edu/depts/pharmacology/cdds/>
- Business Intelligence Service Catalogue of business intelligence newsletters.
<http://www.textor.com/cmsCMS>
- CORE Biosciences magazine on the Web.
<http://www.core.co.uk/core/>
- CSUBIOWEB Cal. State Univ. Biosciences Directory
<http://arnica.csustan.edu/BIOTECH.html>
- DECHEMA Deutsche Gesellschaft fuer Chemisches Apparatewesen, Chemische Technik und Biotechnologie e.V.
<http://www.dechema.de/>
- De Montfort Univ. Biotechnology Directory
<http://helios.dmu.ac.uk/~pka/guides/biotechnology.html>
- DNA Vaccine Web
<http://www.genweb.com/Dnavax/dnavax.html>

- EBI European Bioinformatics Institute
<http://www.ebi.ac.uk/>
- European Community White Paper on Biotechnology.
http://vektor.echo.lu/eudocs/en/wpaper/ch5b/ch5b_1.html
- EMBL European Molecular Biology Laboratory
<http://www.embl-heidelberg.de/>
- FDA Food and Drug Administration
<http://www.fda.gov/>
- Federally Funded Research in the U.S.
<http://medoc.gdb.org/best/fed-fund.html>
- FIP International Pharmaceutical Federation
<http://www.mcc.ac.uk/pwmirror/pw9/fip/pharmweb92.html>
- GABA Global Agricultural Biotechnology Association
<http://www.lights.com/gaba>
- HUM-MOLGEN Internet Communication Forum in Human Molecular Genetics (including Biotechnology)
<http://www.informatik.uni-rostock.de/HUM-MOLGEN/>
- InfoBiotech Canada
<http://www.ibr.nrc.ca/ibr/>
- Knight-Ridder ScienceBase
<http://krscience.dialog.com/>
- MCA Medicines Control Agency, UK
<http://www.open.gov.uk/mca/mcahome.htm>
- MedWeb Directory Emory Univ.
<http://www1.cc.emory.edu/WHSC/medweb.biotechnology.html>
- NLM HyperDOC National Library of Medicine
<http://www.nlm.nih.gov/>
- National Library of Medicine Biosciences Sources
http://www.nlm.nih.gov/current_news.dir/biomed.html
- Oak Ridge National Laboratory Review (USA)
<http://www.ornl.gov/ORNLReview/rev26-2/text/home.html>
- Patents STO Internet Patent Search System
<http://sunsite.unc.edu/patents/intropat.html>
- Pharmaceutical Information Network Home Page
<http://pharminfo.com/>

- Pharnasoft Software/information services for the pharmaceutical industry, regulatory authorities and health care services.
<http://www.pharnasoft.se/>
- PharmWeb University of Manchester
<http://www.mcc.ac.uk/pharmweb/>
- PhRMA Pharmaceutical Research and Manufacture of America ... excellent source of information concerning pharmaceutical development.
<http://www.phrma.org/>
- PRB and RELAB Regional Program of Biotecnology PNUD/UNESCO/ONUDI for Latin America and the Caribbean (PRB) and Latin American Net of Biological Sciences (RELAB)
<http://prbgrau.biol.unlp.edu.ar/>
- Rumour Mill for biotechnology
<http://155.41.115.114/jumper/rumor.html>
- SANTEL Resource Center for Health (Luxembourg)
<http://www.crphl.lu/>
- Texas A & M Forest Biotechnology
<http://165.91.48.43/>
- TWAS Third World Academy of Sciences (Italy)
<http://www.ictp.trieste.it/TWAS/TWAS.html>
- United Nations Industrial Development Organization Biosafety-related databases
<http://binas.un.or.at/binas/binas.html>
- Univ. of Bayreuth Medical and pharmaco-economics links.
<http://www.uni-bayreuth.de/departments/vwliv/hec.html>
- Univ. of Indiana Internet Directory of Biotechnology Resources
<http://biotech.chem.indiana.edu/>
- Univ. of Michigan Clearinghouse for Subject-Oriented Internet Resource Guides
<gopher://una.hh.lib.umich.edu/11/inetdirs>
- Univ. of Minnesota Biomedical Engineering Center
<http://pro.med.umn.edu/bmec/bmec.html>
- Univ. North Carolina Medical Informatics
<http://telemed.med.unc.edu/MI/>
- USDA Biotechnology Permits Home Page
<http://www.aphis.usda.gov/bbep/bp/>
- USGS Internet Meta-Index
<http://info.er.usgs.gov/network/>
- WHO WHO headquarters, Switzerland
<http://www.who.ch/>

Annex E

WebCompass Biotechnology Sites

Biotechnology

biological science applied to study the relation between workers and their environments

- Agent searches using General resources
- Query terms are biotechnology, bioengineering, monoclonal, recombinant, DNA

Related Topics

- specific kinds are genetic engineering

Related Documents

- HemoStat Laboratories Images: 12 Links: 8
<http://www.hemostat.com/>
 1 Retrieval failure (Yahoo: biotechnology) No rating
Biotechnology Images: 26 Links: 22
<http://bdt.ftpt.br/structure/biotechnology.html>
7 Retrieval failures (Lycos: biotechnology) No rating
 Latin American Directory of Biotechnology Industries Brasil Biotechnology information
world wide Biosis Home Page An electronic public debate about biotechnology Programa
Regional de Biotecnologia Red Latinoamericana de Ciencias Biologicas (RELAB) Related
Information: Thematic Groups at BDT
Central Facilities Committee (Chair) :Molecular Biology and Biotechnology Staf Images: 1
 Links: 2
<http://www2.shef.ac.uk/uni/projects/ushir/html/H.2.14.1.7.html>
(Lycos: biotechnology) No rating
 Structural and functional studies on cytochrome b1, a bacterioferritin.
Penn State University Biotechnology Institute Images: 1 Links: 3
<http://server1.biotech.psu.edu/>
(Webcrawler: biotechnology) No rating
WWW VL: Biotechnology, Education Images: 0 Links: 33
<http://www.cato.com/interweb/cato/biotech/bio-edu.html>
1 Retrieval failure (Webcrawler: biotechnology) No rating
 Workshop and seminar list Educational Web Sites Access Excellence Web server for high
school biology teachers contains a library of biotech-related information, weekly science
updates and classroom activities developed by teachers nationwide. Manchester PRB and
RELAB Regional Program of Biotechnology PNUD/UNESCO/ONUDI for Latin America and
the Caribbean (PRB) and Latin American Net of Biological Sciencies (RELAB) Thomas
Jefferson University Biosciences Education (Philadelphia, PA) UCSF...
Bioengineering - Grad Program Images: 0 Links: 2
<http://www.engr.psu.edu/bio/grad.html>
1 Retrieval failure (Yahoo: bioengineering) No rating
 It is staffed by a faculty committee on bioengineering of five full-time faculty and twenty-
five faculty members whose principal appointments are in other departments of the College
of Engineering (e.g. More than eighteen courses in bioengineering are offered in the

application of methods of engineering to the solution of problems in medicine and biology. The core curriculum of graduate courses revolves around a sequence of introductory courses on structure and function of the cardiovascular system, biomedical instrumentation, medical imaging, ultrasonic imaging, and artificial organs.

Central Facilities Committee (Chair) :Molecular Biology and Biotechnology Staf Images: 1
 Links: 2

<http://www.shef.ac.uk/uni/academic/A-C/biolsc/html/H.1.2.4.1.10.html>

1 Retrieval failure (Lycos: biotechnology) No rating

Structural and functional studies on cytochrome b1, a bacterioferritin. Central Facilities Committee (Chair) Created by Phil Tomlinson & Rod Nicolson; e-mail

Graduate Study in Neuroscience and Development Images: 7 Links: 16

<http://www.neuro.uoregon.edu/grdbroch.html>

1 Retrieval failure (Webcrawler: monoclonal) No rating

hawthorne summary Images: 1 Links: 1

<http://www.chem.ucla.edu/dept/Faculty/hawthorne.html>

1 Retrieval failure (Webcrawler: monoclonal) No rating

Cellular Science Home Images: 9 Links: 17

<http://phoenix.jr2.ox.ac.uk/>

(Webcrawler: monoclonal) **No rating**

Room 5501, Level 5, John Radcliffe Hospital, Headington, Oxford OX3 9DU The Department of Cellular Science was formed in 1994 following a division of the Nuffield Department of Pathology and Bacteriology. The Department currently has four research groups and takes part in the clinical services in Cellular Pathology and Haematology The Department has teaching responsibilities both in the Clinical School and on the Pre-clinical Pathology Course at the... Its major function is the production and characterisation of monoclonal antibodies for the diagnosis, evaluation and investigation of human leukaemia and lymphoma.

CELLULAR AND STRUCTURAL BIOLOGY-UTHSCSA Images: 1 Links: 1

http://grad_dean.uthscsa.edu/cellstruct.html

4 Retrieval failures (Webcrawler: recombinant) No rating

CELLULAR AND STRUCTURAL BIOLOGY The purpose of the graduate program In Cellular and Structural Biology is to train highly qualified students In cell and molecular biology, genetics, neuroendocrinology and neurobiology. Facilities available for students and investigators are fully equipped for recombinant DNA technology, including oligonucleotide synthesis and transgenic mouse facilities; tissue culture; biochemical methodologies, including hormone receptor... Graduate School of Biomedical Sciences University of Texas Health Science Center at San Antonio

The Hypertextbook Practice Problems Images: 8 Links: 9

<http://esg-www.mit.edu:8001/esgbio/problems.html>

1 Retrieval failure (Webcrawler: recombinant) No rating

Recombinant DNA Practice Problems. Also, if you want a specific problem topic and don't know what chapter that topic is in, you can try searching the Practice Problems and Self-Quizzes Searchable Index. If you don't find a topic here, try the general 7.01 Hypertextbook Searchable Index The Practice Problems and Self-Quizzes Searchable Index

Southwest Scientific Resources Images: 0 Links: 5

<http://ssr4dna.com/>

(Yahoo: DNA) **No rating**

Southwest Scientific Resources offers the sophistication and the expertise you need for publication quality DNA sequencing data. Guaranteed results

- Recombinant DNA Workshop Images: 0 Links: 0

<http://bmb-fs1.biochem.okstate.edu/Core/DNAWorkshopform.html>

(Alta Vista: recombinant) **No rating**

Faculty members who want to become more familiar with Recombinant DNA

methodology Postdoctoral Research Associates who need a quick introduction to molecular cloning techniques Graduate students interested in using recombinant DNA methods in their... "Anyone could begin to incorporate molecular biology into their labs after taking this course." Participants will learn the following techniques: Isolation of genomic DNA Isolation of plasmid DNA Preparation of recombinant DNA Restriction mapping Transformation of bacterial cells Polymerase chain reaction (PCR) Screening of recombinant clones...

Dec. '95 Images: 0 Links: 6

<http://bmb-fs1.biochem.okstate.edu/Core/CoreNewsletter.12.95.html>

(Alta Vista: recombinant) No rating

Sequence Database Searching Entrez (<http://www.ncbi.nlm.nih.gov:5700/Entrez/>) is an integrated, relational, database run by the NCBI (National Center for Biomolecular) containing nucleotide sequence entries from GenBank, protein sequence entries from... Once an entry of interest is found, related entries in any of the other databases can be identified because the databases are linked. SRS (<http://www.embl-heidelberg.de/srs/srsc>) is a collection of approximately 80 sequence-related databases containing nucleotide and protein sequence databases, three-dimensional structural databases, sequence motif databases, and the phenotypic...

Biochemistry and Biotechnology home page Images: 1 Links: 11

<http://kiev.physchem.kth.se/>

(Lycos: biotechnology) No rating

Welcome to the WorldWideWeb server for the department of Biochemistry and Biotechnology at KTH, the Royal Institute of Technology The department also has a section at Novum, Huddinge: Structural Biochemistry Some services: The mycobacterial database, MycDB Address- and project information database: Person Research Program AND/OR Search terms Some help? We host most of the webpages of the National Committee for Biochemistry and Molecular Biology, among them the database of Research in Sweden Biochemistry and Molecular Biology.

Bioengineering - Grad Program Images: 0 Links: 2

<http://www.engr.psu.edu/www/dept/bio/grad.html>

(Lycos: bioengineering) No rating

It is staffed by a faculty committee on bioengineering of five full-time faculty and twenty-five faculty members whose principal appointments are in other departments of the College of Engineering (e.g. More than eighteen courses in bioengineering are offered in the application of methods of engineering to the solution of problems in medicine and biology. The core curriculum of graduate courses revolves around a sequence of introductory courses on structure and function of the cardiovascular system, biomedical instrumentation, medical imaging, ultrasonic imaging, and artificial organs.

Biology Information Center Images: 27 Links: 159

http://www.er.doe.gov/production/oher/bioinfo_center.html

2 Retrieval failures (Webcrawler: biotechnology) No rating

Genome Information Genome Program Information Genome Program Progress and News This includes current announcements, meeting reports, and updates about current DOE OHER solicitations for genome funding. Human Genome Project Resources and Meetings Information provided by the Genome Data Base Human Genome Training Calendar Human Genome Meeting Calendar The training and meeting calendars are intended to inform genome researchers about pertinent... Genome Databases Genome Data Base Genome Sequence Data Base National Center for Genome Resources CitDB: a Citation database Chromosome 16 Database Query Chromosome 19 Maps Online Mendelian Inheritance in Man Resource for Molecular Cytogenetics Home...

SCCC Biotechnology Training Program Images: 1 Links: 8

<http://www.sccd.ctc.edu/%7Eesporte/>

(Webcrawler: biotechnology) No rating

Graduates of the program work as technicians in both industrial and academic laboratories

in the Puget Sound area. Approximately 1/3rd of the students have completed a bachelor's degree prior to entry.

Web/ftp/gopher...other Biotech Company sites Images: 0 Links: 113
<http://alpha.genebee.msu.su/supplier/biosite.html>

1 Retrieval failure (Webcrawler: biotechnology) No rating

The Alberta Research Council promotes technology development and application, performs applied research, and provides its clients with expert advice, technical information and scientific infrastructure in the areas of biotechnology,... Arris Pharmaceutical Corporation is engaged in the discovery and development of synthetic small molecule therapeutics that modulate the activity of medically important proteins. The company's structure-based drug design approach combines the disciplines of chemistry and biology with crystallography and applied mathematics in the form of artificial intelligence (A.I.) paradigms designed to shorten the drug discovery.

The WWW Virtual Library: Biology Departments and Institutes Images: 2 Links: 284
<http://golgi.harvard.edu/afagen/depts/deptus.html>

2 Retrieval failures (Webcrawler: bioengineering) No rating

Last updated 14 May 1996 Please mail afagen@biosun.harvard.edu if you know of biological department, institute, or program with online information not in this list. Dartmouth College Biological Sciences Davidson College Department of Biology University of Delaware College of Agricultural Sciences Denison University Department of Biology Department of Chemistry and Biochemistry University of Denver Department of... Earlham College Biology Department Emory University Graduate Division of Biological and Biomedical Sciences School of Medicine Department of Anatomy and Cell Biology Department of Biochemistry Department of Genetics and Molecular Medicine Rollins...

Human monoclonal antibody technology. Images: 1 Links: 22
<http://www.kc.lth.se/immun/TEXTER/MO/Hu-mab.html>

2 Retrieval failures (Webcrawler: monoclonal) No rating

Topics: Studies of Epstein-Barr virus transformation In vitro immunization of human B lymphocytes. Epstein-Barr virus (EBV) is a human herpesvirus that specifically infects and immortalizes human B lymphocytes. If you want to learn more about the Epstein-Barr virus in general please look at this information provided by the Centers for Disease Control (CDC, Atlanta, GA, USA).

Great Papers in G Protein-Coupled Receptor Research Images: 2 Links: 104
http://receptor.mgh.harvard.edu/Great_papers.html

(Webcrawler: monoclonal) No rating

Great Papers in G protein-Coupled Receptor Research The following citations are an initial stab at generating a list of the most important papers impinging on G-protein-coupled receptor science. Strosberg AD, Camoin L, Blin N, Maigret B In receptors coupled to GTP-binding proteins, ligand binding and G- protein activation is a multistep dynamic process. Tate KM, Briend-Sutren MM, Emorine LJ, Delavier-Klutchko C, Marullo S, Strosberg AD Expression of three human beta-adrenergic-receptor subtypes in transfected Chinese hamster ovary cells.

<http://www.aad.berkeley.edu/95journal/AdamWarren.html> Images: 0 Links: 0
<http://www.aad.berkeley.edu/95journal/AdamWarren.html>

(Webcrawler: recombinant) No rating

When formulated with certain adjuvants, these proteins can also enter the class I pathway. This comparison will allow us to characterize the function of CD8+ T cells in the absence of CD4+ T cells. Observations of MHC class I restricted CTL responses against recombinant HIV-1 envelope proteins confirms successful vaccination in mice (5).

MGM: Program Description- Faculty Research Summaries Images: 0 Links: 15
<http://cmg.health.ufl.edu/mgm/faculty.html>

3 Retrieval failures (Webcrawler: recombinant) No rating

As the name implies, our focus of training is in molecular genetics and microbiology,

including molecular biology, virology, bacterial pathogenesis, and immunology. We are utilizing sophisticated genetical and biochemical methods such as site- directed mutagenesis, gene replacement, and in vivo footprinting to identify and characterize the precise roles played by the individual protein components that assemble... Our current working hypothesis for the nature of the combinatorial interactions that occur at the glycolytic gene UAS elements is that Gcr1p binding is required for activation of Gcr1p-dependent genes and that the primary role of the other factors.

Faculty Images: 14 Links: 23

<http://scripps.edu/pub/chmgrads/chemfac.html>

2 Retrieval failures (Webcrawler: DNA) No rating

University of Kansas, 1979-85 Associate Professor/Professor of Chemistry, Purdue University, 1985-91 Professor, The Scripps Research Institute, 1991- NSF Predoctoral Fellowship, 1975-78 Searle Scholar Award, 1981-84 NIH Research Career Development... Problems currently being addressed include (+)-CC-1065 and functional analogs (antitumor antibiotic possessing sequence selective DNA alkylation properties), duocarmycins (antitumor antibiotics possessing sequence selective DNA alkylation... The origin of interest in the specific agents detailed above rests with their properties and in many instances represents the selection of agents related by a projected property.

Biotech Workshops Images: 4 Links: 5

<http://www.biotech.vt.edu/workshops.HTML>

(Alta Vista: biotechnology) No rating

Although laboratory techniques are emphasized, regular benchwork is complemented with lectures and presentations by Virginia Tech faculty and guests, videos, and tours of local biotech companies. Course Highlights include: Restriction enzyme digestion Cloning into plasmid vectors Bacterial transformations DNA sequencing In addition, tours of local biotech companies, lectures by Virginia Tech faculty, and video presentations will be given to... Taught by: Dr. Richard Ebel and Dr. E.M. Gregory of the Department of Biochemistry and Anaerobic Microbiology.

Engineering- Programs Images: 0 Links: 1

<http://cwis.syr.edu/WWW-Syr/AcademicLife/GCatalog/lcprograms.html>

1 Retrieval failure (Alta Vista: bioengineering) No rating

The graduate programs in neuroscience provide students with advanced study in contemporary neuroscience research. Guidance Upon admission, the director of the graduate NEU program will become the student's adviser and at some time during the first year of the student's enrollment, he or she will request a member of the faculty to serve as the student's academic... Students who do not hold chemical engineering degrees may be required to take certain undergraduate courses prior to starting graduate study.

USHIR: Biotechnology Course Images: 0 Links: 11

<http://www.shef.ac.uk/uni/projects/ushir/html/H.3.7.html>

1 Retrieval failure (Lycos: biotechnology) No rating

(back) Biotechnology is concerned with the industrial application of the properties and processes of living cells and organisms. It is a multi-disciplinary subject bringing together aspects of the biochemically-based life sciences with engineering and process technology. Central to biotechnology is the exploitation of micro-organisms both for their own metabolic products and as vehicles for the efficient biosynthesis of products derived from other organisms by gene manipulation.

The World-Wide Web Virtual Library: Biochemistry, Biophys... Images: 1 Links: 275

<http://golgi.harvard.edu/biopages/biochem.html>

2 Retrieval failures (Webcrawler: biotechnology) No rating

Top of Form

16 Documents about students, antibodies, biochemistry, major, agencies

- Michael G. Hahn Images: 2 Links: 2
<http://dogwood.botany.uga.edu/faculty/mh.html>
(Webcrawler: monoclonal) No rating
 The research in my laboratory is focused in two areas: the elucidation of signal transduction mechanisms in plant cells; and the study of plant cell wall polysaccharides using monoclonal antibodies. The principal model system being used for the studies on signal transduction mechanisms is the induction of phytoalexin biosynthesis in soybean (*Glycine max*) cells by fungal cell wall-derived oligosaccharides (see Figure 1). The eventual goal of this research is the elucidation of plant cellular signalling mechanisms that lead to changes in gene expression in the affected plant cells, and the role that oligosaccharides play in these processes.
KULIOPULOS LABORATORY Images: 2 Links: 3
<http://biba.med.tufts.edu/Biochemistry/Faculty/ak.html>
1 Retrieval failure (Webcrawler: recombinant) No rating
 Similar experiments are being carried out on the human thrombin receptor.
Graduate College Programs of Study: BIOENGINEERING Images: 1 Links: 7
http://www.grad.uiuc.edu/grad_program/BIOENGINEERING.html
(Alta Vista: bioengineering) No rating
 Go to Graduate Programs Index Go to Graduate College Home Page
No Title Images: 0 Links: 1
<http://www.caltech.edu/catalog/courses/engr.science.html>
(Alta Vista: bioengineering) No rating
 Infinitesimal waves and wave resistance of floating or submerged bodies. General theory for curved obstacles; existence and uniqueness. Not offered every year, not offered 1995-96.
Medical Graduate Programs: Bioengineering Images: 3 Links: 4
<http://www.med.umich.edu/grad/bioengineering/>
(Lycos: bioengineering) No rating
 About the Bioengineering Program Admissions Procedures Courses in Bioengineering Bioengineering Faculty and Their Research Interests Bioengineering Students Bioengineering Alumni Student Services in Bioengineering Opportunities in Bioengineering Of...
Biotechnology Images: 0 Links: 0
<http://millreef.mcb.psu.edu/deptpage/Biotech.htm>
2 Retrieval failures (Webcrawler: biotechnology) No rating
 Biotechnology may be broadly defined as the application of principles of molecular and cell science in the production of biologically-important or industrially-useful products. The major has been designed to provide 1) a thorough background in the various sciences on which biotechnology is based, 2) a comprehensive understanding of the principles of molecular biology, and especially, 3) hands-on experience for each student... An adequate understanding of Biotechnology requires a broad background in the sciences chemistry, biochemistry, microbiology and cell biology.
Biotechnology Images: 0 Links: 0
<http://www.bmb.psu.edu/deptpage/Biotech.htm>
(Webcrawler: biotechnology) No rating
 Biotechnology may be broadly defined as the application of principles of molecular and cell science in the production of biologically-important or industrially-useful products. The major has been designed to provide 1) a thorough background in the various sciences on which biotechnology is based, 2) a comprehensive understanding of the principles of molecular biology, and especially, 3) hands-on experience for each student... An adequate understanding of Biotechnology requires a broad background in the sciences chemistry, biochemistry, microbiology and cell biology.

Department of Medicinal Chemistry Images: 1 Links: 28

<http://lysine.pharm.utah.edu/MChome/mchem.html>

3 Retrieval failures (Webcrawler: monoclonal) No rating

No bachelor's degree is offered by the department, but a medicinal chemistry option is available to undergraduate chemistry majors. Biological aspects of drug/iostope/toxin targeting using prodrugs; monoclonal antibodies and/or liposomes; thiols as chemoprotective and chemopreventive agents. Requirements include satisfactory completion of approximately 45 credit hours of graduate-level course work approved by the candidate's graduate supervisory committee from among the courses comprising the Ph.D. program, and preparation and defense of...

Nadrian C. Seeman's Home Page Images: 1 Links: 10

<http://seemanlab4.chem.nyu.edu/>

1 Retrieval failure (Webcrawler: DNA) No rating

Our laboratory is investigating unusual DNA molecules in model systems that use synthetic molecules. These are four-arm branched DNA molecules that are found to be structural intermediates in genetic recombination The focus of the work on these unusual molecules is to characterize their structure, dynamics and thermodynamics, and to establish the... The study of recombination intermediates has been extended by constructing and analyzing molecules with double crossovers, and by exploring broader classes of multi-stranded molecules, called antijunctions and mesojunctions.

CENTER FOR BIOENGINEERING AND POLLUTION CONTROL Images: 1 Links: 1

<http://www.nd.edu/Departments/Grad/gradsch/Centers/Bioengr.html>

1 Retrieval failure (Lycos: bioengineering) No rating

The center serves as a focal point for the promotion and encouragement of the following activities: 1. Basic research in pollution control which combines microbiology, biochemistry, physical chemistry, mathematics and physics with engineering; 2. Education of undergraduate and graduate science and engineering students to the need for and methods of science-based environmental research; 3. Development of innovative technologies grounded in sound scientific principles for application in water- and solids-based environmental problems; and

Bioengineering Alliance of South Carolina Images: 0 Links: 1

<http://macmosaic.eng.clemson.edu/Research.Ctrs/BioAlliance.html>

1 Retrieval failure (Lycos: bioengineering) No rating

Bio-Alliance became operational in the Fall of 1985 and serves as a facilitator and organizer to support interdisciplinary research associated with biomedical engineering. Five industrial partners have supported the development and establishment of an Intelligent Design/Rapid Prototype Research Laboratory housing a Stereolithography Apparatus (SLA). This seminar was co-sponsored by the Bioengineering Alliance, the GHS/CU Cooperative, and the Department of Bioengineering at CU with an attendance of more than 120 engineers and orthopaedic surgeons.

Production of poly- and monoclonal antibodies and design and development of im Images: 0 Links: 0

http://www.daimi.aau.dk/PhD_database/Courses/DTU/NaturalSciences/DTU_ProdAntibodies.html

(Lycos: monoclonal) **No rating**

Information on enrollment will be given: By mail and/or e-mail Further particulars on the course can be obtained at the following: e-mail to ib@mimer.be.dtu.dk Literature: See course material.

promed: Meeting: Monoclonal antibody workshop - Mexico City Images: 0 Links: 8

<http://www.healthnet.org/promed-hma/0070.html>

(Lycos: monoclonal) **No rating**

promed: Meeting: Monoclonal antibody workshop Mexico City Fri, 12 Jan 1996 17:38:37

EST Messages sorted by: [date][thread][subject][author] Next message: Martin Hugh-Jones: "Boid inclusion body disease (3)" Previous message: Martin Hugh-Jones: "CJD-BSE connection? UK (4)" From: CORREA BELTRAN MARIA DOLORES Date: Thu, 11 Jan 1996 09:45:06 0600 (CST) MEETING: WORKSHOP ON MONOCLONAL ANTIBODY PRODUCTION

- Steroid Receptor And Transcription Factors Images: 1 Links: 47
<http://www.bioreagents.com/affinity/sters.html>
(Lycos: monoclonal) No rating
 See proposed model (40 KB) for the steroid receptor complex assembly and activation pathway. MA1-810, Monoclonal (Mouse) Anti-Retinoic Acid Receptor Alpha PA1-810, Polyclonal (Rabbit) Anti-Retinoic Acid Receptor Alpha PEP-004, Neutralizing Synthetic Peptide For MA1-810 and PA1-810 MA1-811, Monoclonal (Mouse) Anti-Retinoic Acid Receptor Beta...
- Chaperonins Images: 1 Links: 14
<http://www.bioreagents.com/affinity/chaps.html>
 (Lycos: monoclonal) No rating
- JAX Mice Price List 1995 Images: 1 Links: 22
<http://www.jax.org/resources/documents/pricelist/index.html>
(Webcrawler: recombinant) No rating
 Comprehensive resource for mouse genetic information provided by the Mouse Genome Database (MGD) and related software tools. from the Production Colonies of from the Research Colonies and Genetic Resource Colonies of
- The DNA Level Images: 6 Links: 4
<http://copernicus.bbn.com/genscope/DNA-Level.html>
5 Retrieval failures (Webcrawler: DNA) No rating
 To navigate within GenScope WWW Space... Data on actual DNA sequences can be imported into the software over the Internet and displayed in similar ways. Students can transport DNA samples to a simulated "biotechnology laboratory" where they can experiment with such common procedures as restriction enzyme digests and gel electrophoresis.
- Jackson Laboratory Images: 2 Links: 40
<http://www.jax.org>
(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating
 Founded in 1929, The Jackson Laboratory has a threefold mission: to conduct research in basic genetics and the role of genes in health and disease; to educate the scientific community; and to provide genetically defined mice and other genetic... Animal Resources JAX Mice Price List 1995 JAX Notes Technical Support Animal Health Report Lane List of Named Mutations Polymorphic Loci Mouse Nomenclature Rules and Guidelines Neurology News Ophthalmology News Induced Mutant Resource (Transgenic and... 1996 Courses and Meetings Cryopreservation of Mouse Embryos Spring Course Short Course in Medical and Experimental Mammalian Genetics Biotechnology: Products, Policy and the Public Experimental Genetics of the Laboratory Mouse Second Biennial...
- Heme Research Abstracts II Images: 3 Links: 1
<http://zappa.mmcri.mmc.org/~varyc/hemeres/Abs2.htm>
1 Retrieval failure (Alta Vista: recombinant) No rating
 Reticulated platelets have been identified in man, mice, and dogs, as platelets which have an increased content of RNA as detected by staining with the nucleic acid specific fluorescent dye, Thiazole Orange. When analyzed by flow cytometry, they show increased fluorescence which is sensitive to RNAase. Using the technique of in vivo biotinylation, they have been shown to be the youngest platelets in the circulation and their levels reflect

the rate of thrombopoiesis in the same way that the reticulocyte count reflects the rate of erythropoiesis.

No Title Images: 1 Links: 2

<http://www.life.uiuc.edu/biophysics/faculty/helman.html>

(Alta Vista: bioengineering) No rating

Epithelial tissues like those of kidney tubules are involved importantly in ion transport. To address these issues, we are currently emphasizing use of biophysical techniques of noise analysis, patch clamp, and newly developed capacitance measurements as applied to native and cell cultured epithelial tissues involved primarily in sodium... Blocker-related changes of channel density.

DNA Express Images: 6 Links: 7

<http://mmr.bmb.colostate.edu/dna/dnax.html>

(Alta Vista: DNA) No rating

Desalted Synthetic Product 0.2 um synthetic scale.....\$2.50/base 1.0 um synthetic scale.....\$3.50/base 10.0 um synthetic... Many options are available to customize your oligos, including minor bases, 5' end modifications, 3' end modifications; thioates, etc. Custom DNA/RNA synthesis is checked by analytical gel electrophoresis and/or U.V. spectrophotometry.

IMF-- Monoclonal Macroglobulinemia Images: 4 Links: 20

http://www.comed.com/IMF/imf_dba.html

(Lycos: monoclonal) No rating

A homogeneous protein like this, containing only one type of heavy and light chain, is thought to be produced by the descendants of a single early B-cell, which undergoes a malignant transformation and proliferates extensively to form a monoclonal. When this monoclonal reaches a size of about five billion cells, it produces enough of the monoclonal protein (M-protein) to be recognized as a spike in the electrophoretic pattern. These patients have symptoms (weakness, fatigue, headaches, etc.), a lymphoplasmacytic infiltration of the marrow, a progressive increase in the monoclonal IgM in the serum, and may develop enlarged lymph nodes and an enlarged spleen.

Mathison Immuno Scientific, Inc. Images: 0 Links: 1

<http://www.pullman.com/business/misi/>

3 Retrieval failures (Webcrawler: monoclonal) No rating

Monoclonal antibodies manufactured by professionals to meet your professional needs. Highly skilled and experienced professionals available for scientific consultation. M.I.S, Inc. is here to serve you to meet your custom monoclonal antibody needs.

MA3-043 Images: 0 Links: 3

<http://www.bioreagents.com/affinity/ma3-043h.html>

(Alta Vista: monoclonal) No rating

The non-channel linked AChR that mediates the slow actions of acetylcholine, which can be either inhibitory or excitatory, is called muscarinic AChR (mAChR) because it can be activated by muscarine. The muscle-type receptor is a pentameric glycoprotein of five membrane spanning subunits, (2 α 1's, β 1, γ or ϵ and δ) which form a ligand gated ion channel. The neuronal nAChR is also a pentamer, but unlike the muscle-type, is made up of only two general types of subunits, α and β of which multiple subtypes have been described (α 2 to α 8 and β 2 to β 4).

MA3-925 Images: 0 Links: 3

<http://www.bioreagents.com/affinity/ma3-925h.html>

(Alta Vista: monoclonal) No rating

Catalog # MA3-925 Clone 34C Size: 100 ul Specificity The ryanodine receptor (RyR) is the channel responsible for Ca^{2+} release from muscle cell sarcoplasmic reticulum (SR) and also plays a role in Ca^{2+} regulation in non-muscle cells. In non-mammalian vertebrates, the RyR isoforms are termed α , β and cardiac which correlate loosely to the mammalian RyR-1,

RyR-3 and RyR-2 isoforms respectively. In chickens, MA3-925 recognizes the a, b and cardiac isoforms, in frog, it recognizes the a and b isoforms and in fish it recognizes the a isoform.

MA3-911 Images: 0 Links: 4

<http://www.bioreagents.com/affinity/ma3-911h.html>

(Alta Vista: monoclonal) No rating

Catalog # MA3-911 Clone IH11 Size: 100 ul Specificity ATP dependent calcium pumps are responsible in part for the maintenance of low cytoplasmic free Ca²⁺ concentrations. The SERCA2 gene is subject to tissue dependent processing which is responsible for the generation of SERCA2a muscle-specific isoform expressed in type I (slow) skeletal, cardiac and smooth muscle and the SERCA2b isoform expressed in all cell types. The SERCA3 gene is not as well characterized and is found in non-muscle cells.

MA3-919 Images: 0 Links: 3

<http://www.bioreagents.com/affinity/ma3-919h.html>

(Alta Vista: monoclonal) No rating

Catalog # MA3-919 Clone 2A7-A1 Size: 100 ul Specificity ATP dependent calcium pumps are responsible in part for the maintenance of low cytoplasmic free Ca²⁺ concentrations. The ATP pumps that reside in intracellular organelles are encoded by a family of structurally related enzymes, termed the sarcoplasmic or endoplasmic reticulum Ca²⁺ (SERCA) ATPases. The SERCA2 gene is subject to tissue dependent processing which is responsible for the generation of SERCA2a muscle-specific isoform expressed in type I (slow) skeletal, cardiac and smooth muscle and the SERCA2b isoform expressed in all cell types.

MA3-910 Images: 0 Links: 4

<http://www.bioreagents.com/affinity/ma3-910h.html>

(Alta Vista: monoclonal) No rating

Catalog # MA3-910 Clone IID8 Size: 100 ul Specificity ATP dependent calcium pumps are responsible in part for the maintenance of low cytoplasmic free Ca²⁺ concentrations. The SERCA2 gene is subject to tissue dependent processing which is responsible for the generation of SERCA2a muscle-specific isoform expressed in type I (slow) skeletal, cardiac and smooth muscle and the SERCA2b isoform expressed in all cell types. This antibody reacts with a broad range of species and tissue types as indicated in the chart below.

MA3-042 Images: 0 Links: 3

<http://www.bioreagents.com/affinity/ma3-042h.html>

(Alta Vista: monoclonal) No rating

Catalog # MA3-042 Clone HR2 Size: 200 ul Specificity Cholinergic neurotransmission occurs in motor, autonomic and central nervous synapses and requires very rapid inactivation of its transmitter, acetylcholine (ACh). AChE is found in the neuromuscular junction anchored to the basal lamina which runs between the nerve terminal and muscle membrane. AChE is also found outside the nervous and neuromuscular system in blood, lymph, germ and liver cells suggesting a role for AChE not related to cholinergic transmission.

MA3-916 Images: 0 Links: 5

<http://www.bioreagents.com/affinity/ma3-916h.html>

(Alta Vista: monoclonal) No rating

Catalog # MA3-916 Clone C3-33 Size: 100 ug Specificity The ryanodine receptor (RyR) is the channel responsible for the release of Ca²⁺ from the sarcoplasmic reticulum (SR) in muscle cells and also plays a role in Ca²⁺ regulation in non-muscle cells. The mammalian RyR is the product of three different genes: RyR-1, which is expressed predominantly in skeletal muscle and areas of the brain, RyR-2, which is expressed predominantly in the heart muscle but also found in the stomach, endothelial cells... Specifically, it has shown cross reactivity with RyR in cardiac muscle of canine, rat, finch, and pigeon; with RyR in visceral smooth muscle of toad; and with RyR in brain of rat.

MA1-510 Images: 0 Links: 4

<http://www.bioreagents.com/affinity/ma1-510h.html>

(Alta Vista: monoclonal) No rating

All normal mammalian tissues examined to date have been shown to contain GR. The antibody does not react with primate, avian or amphibian GR. This antibody has been shown to react with a single epitope in the DNA-binding domain of GR.

Hybridoma and Cell Culture Laboratory Images: 3 Links: 2

<http://server1.biotech.psu.edu/lsc/stf/hccl/hccl.html>

(Yahoo: monoclonal) No rating

- Center for Bioengineering Images: 2 Links: 13

<http://weber.u.washington.edu/~bioewww/>

1 Retrieval failure (Lycos: bioengineering) No rating

Welcome Message from the Director About the University of Washington and its Locale
Bioengineering News, Announcements, Conferences, & Job Listings
Bioengineering Graduate Study Look here for information on applying to the department
Bioengineering... Click the link below to view a page with the full size image, including an explanation of the colors/figures.

BES — Division of Bioengineering & Environmental Systems Images: 5 Links: 9

<http://x.nsf.gov/eng/bes/bes.htm>

(Lycos: bioengineering) No rating

BEC - Bioengineering Research Center Images: 19 Links: 13

<http://www.oip.gatech.edu/berc/berctop.html>

5 Retrieval failures (Lycos: bioengineering) No rating

Transduction Laboratories Images: 5 Links: 29

<http://translab.com/>

1 Retrieval failure (Yahoo: monoclonal) No rating

Our Extensive Catalog of Monoclonal Polyclonal Antibodies Produced in our own labs by our own Scientists. View I.F.'s done at Transduction Laboratories with Transduction antibodies using the latest in confocal technology.

Bio-Synthesis, Inc Images: 13 Links: 11

<http://www.biosyn.com/>

(Yahoo: DNA) No rating

Wallac Images: 2 Links: 11

<http://www.wallac.fi/>

Welcome to the Wallac World Wide Web Server Wallac serves customers engaged in diagnostic testing, population screenings, life science research in both academia and industry, and environmental monitoring. Since it was founded in 1950, the company has a history of steady growth. Today it is a fully-owned subsidiary of EG&G, Inc., and is supported by an extensive network of distributors covering the whole world.

Lifetech Images: 3 Links: 7

<http://operon.com/>

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Established in 1986 as a full service DNA synthesis company, we've built an industry-wide reputation for unsurpassed quality, dependable service and competitive pricing. This unique combination of strengths has made us the supplier of choice for both academic and commercial institutions.

Millipore Corporation Images: 1 Links: 53

<http://www.millipore.com>

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Novagen Images: 13 Links: 16

<http://www.novagen.com/>

1 Retrieval failure (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

[1995 Catalog Vector Sequences Novagen's Newsletter Distributors Literature.](#)

DNA Vaccine Web: Other Protocols Images: 4 Links: 49

<http://www.genweb.com/Dnavax/Protocols/otherprotocols.html>

2 Retrieval failures (Alta Vista: DNA) No rating

[Davis, H.L., Demeneix, B.A., Quantin, B., Coulombe, J. & Whalen, R.G. \(1993\) Plasmid DNA is superior to viral vectors for direct gene transfer in adult mouse skeletal muscle.](#)

[Davis, H.L., Michel, M.-L., Mancini, M., Schleef, M. & Whalen, R.G. \(1994\) Direct gene transfer in skeletal muscle: plasmid DNA-based immunization against the hepatitis B virus surface antigen.](#) [Haynes, J.R., Fuller, D.H., Eisenbraun, M.D., Ford, M.J. & Pertmer, T.M. \(1994\) Accell particle-mediated DNA immunization elicits humoral, cytotoxic, and protective immune responses.](#)

Return to the Operon Technologies Home Page Images: 3 Links: 7

<http://operon.com/index.html>

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Effective March 1, 1996 Enhanced Online Order Form Enter number of sequences Company Info | Custom DNA Order Form | Product Catalog | Biotech Links Operon Technologies is the world's leading supplier of synthetic oligonucleotides, supplying... Established in 1986 as a full service DNA synthesis company, we've built an industry-wide reputation for unsurpassed quality, dependable service and competitive pricing. This unique combination of strengths has made us the supplier of choice for both academic and commercial institutions.

Internet Directory of Biotechnology Resources Images: 5 Links: 10

<http://biotech.chem.indiana.edu>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

ATCG Listing of Biotechnology Companies Images: 1 Links: 243

<http://www.atcg.com/aguide//comppage/comppage.htm>

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Center for Biotechnology: Home Page Images: 36 Links: 32

<http://life.bio.sunysb.edu/biotech/>

1 Retrieval failure (Webcrawler: biotechnology) No rating

[Employment Opportunities Undergraduate Internship Program Graduate Internship](#)

Program in Biotechnology and Patent Law NY State Employment Opportunities Job Fair
Research Seminars Biotech Expo Center Sponsored Seminars Center Sponsored Courses
Who Are... Biotechnology Teaching Laboratory Cell Culture and Hybridoma Facility Center
for Analysis and Synthesis of Macromolecules Chemical Synthesis Center Computer
Graphics and Molecular Modeling Facility DNA Synthesis Facility Flow Cytometry
Facility... Centers for Advanced Technology (CAT) Long Island High Technology Incubator
(LIHTI) Long Island Research Institute (LIRI) New York Biotechnology Association
(NYBA) New York State Science and Technology Foundation (NYSSTF) SUNY Stony
Brook New York.

More Damaging New for Monsanto's rBGH Images: 2 Links: 1

http://plainfield.bypass.com/%7EN_E_Research/bgh.html

(Webcrawler: recombinant) No rating

Last week unedited data was obtained from the Federal Drug Administration through a freedom of information request made by the Wisconsin Farmers Union based in Chippewa Falls, WI. Hundreds of farmers who have tried the controversial bovine growth... Ironically, Monsanto's own product package insert required by the FDA cites 21 animal health problems for which cows are at increased risk with BGH; including increases in mastitis (udder disease), reproductive problems, use of medication to treat... The Congressional General Accounting Office (GAO) and Consumers Union have charged that increased animal health problems translate into increased use of antibiotic drugs, including so-called "extra-label" drugs (drugs not approved for normal use on...

Genetic Engineering Images: 4 Links: 3

<http://www-micro.msb.le.ac.uk/109/GeneticEngineering.html>

(Webcrawler: DNA) No rating

By inserting a piece of DNA of interest into a vector molecule, i.e. a molecule with a bacterial origin of replication, when the whole recombinant construction is introduced into a bacterial host cell, a large number of identical copies is produced. Most vector molecules were originally derived from one of two sources: Plasmids small, autonomously replicating circular pieces of bacterial DNA, which often carry antibiotic-resistance genes. Rapidly, the original vector molecules were greatly modified to improve their usefulness as vectors, e.g. Insertion of selectable marker genes to pick out recombinant molecules containing foreign inserts.

- Pharmaceutical/Biotechnology What's New Images: 0 Links: 18

<http://www.millipore.com/biopharm/WhatsNew.html>

(Alta Vista: biotechnology) No rating

Here's What's New For the Pharmaceutical/Biotechnology Division The 1995 catalog is here! Cut through the chaff with Millipore's Pharmaceutical HYPERfilter Biotechnology/Pharmaceutical Mfg, Process Development, Validation, Quality Control: Sign-up on line for our process filtration seminars in Rochester NY (June 18) and Philadelphia Pa... This electronic reprint is with the permission of Advanstar, publisher of Pharmaceutical Technology.

-
- American Ag-Tec International, Ltd Images: 2 Links: 16

<http://www.ag-tec.com/>

(Yahoo: biotechnology) No rating

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Connaught Laboratories Limited Images: 7 Links: 16

<http://www.connaught.com/>

1 Retrieval failure (Yahoo: biotechnology) No rating

Connaught Laboratories Limited is the leading fully-integrated biotechnology research company in Canada, and the largest vaccine manufacturer in North America. The company is a member of the Pasteur Mérieux-Connaught (PM-C) organization, the world's leading producer of vaccines, and part of the Rhône-Poulenc global family of companies. Rhône-Poulenc is the seventh-largest chemical and pharmaceutical company in the world, with annual sales in excess of \$20 billion (CDN).

Promega Corporation Images: 22 Links: 22

<http://www.promega.com/>

(Yahoo: biotechnology) No rating

Promega Catalog ONLINE Technical Resources Selected Product Areas New Products/New Literature Promega Publications Online Roche v. Promega Updates Express T-shirt Design Contest Non-Radioactive Alternatives BioLink Resources Summer Courses Promega...

B.stearothermophilus. :Molecular Biology and Biotechnology Staff Images: 1 Links: 2

<http://www2.shef.ac.uk/uni/projects/ushir/html/H.2.14.1.21.html>

(Lycos: biotechnology) No rating

Nerd World : BIOTECHNOLOGY Images: 2 Links: 24

<http://www.nerdworld.com/nw939.html>

1 Retrieval failure (Webcrawler: biotechnology) No rating

Advanced Genetic Analysis Center (AGAC) AGAC is a newly developed facility designed to provide state-of-the-art genetic analysis services to investigators in biomedical sciences. BC Biotechnology Alliance Located in Vancouver, British Columbia, The BC Biotechnology Alliance is a non-profit trade association helping Biotechnology Companies with sponsored lectures, events, training, networking, and communications. BioSpace Home Page A resource focused on meeting the needs of biotechnology decision-makers.

Biotechnology Newsletters/Journals Images: 29 Links: 40

<http://www.inform.umd.edu:8080/EdRes/Topic/AgrEnv/Biotech/Newsletters>

(Webcrawler: biotechnology) No rating

Comprehensive Collection of Chemical and BioChemical Journals on the WWW from BetaCyte Consultants Biotechnology News Biotechnology NEWSPAGE daily business news from Individual, Inc. BIOTECH BRIEF Newsletter "Scanning the biotech horizon" from Life... BT Catalyst Prepared by the North Carolina Biotechnology Center (NCBC) as part of its mission to educate the public on the issues of biotechnology. of Wisc. Biotech Center) Biological Journals current titles Biotechnology Notes Published by the USDA's Office of Agricultural Biotechnology.

Canadian Institute of Biotechnology Images: 13 Links: 31

<http://www.biotech.ca/>

(Webcrawler: biotechnology) No rating

Through its 25 member organizations, the Canadian Institute of Biotechnology (CIB) represents 16,000 organizations, companies, groups, and individuals in the Canadian biotechnology community. CIB is a not-for-profit organization dedicated to information dissemination and technology transfer across Canada and around the world. Project 090: Connaught Student Biotechnology Exhibitionscience projects in biotechnology

OECD's BioTrack Online - Information on Biotechnology in OECD Images: 2 Links: 35

<http://www.oecd.org/ehs/service.htm>

(Webcrawler: biotechnology) No rating

BioTrack Online is part of OECD's Programme on the Harmonization of Regulatory Oversight in Biotechnology. The main aim of this Programme is to produce documents for use by national authorities for the regulatory assessment of genetically modified products intended for release to the environment. The focus is on genetically modified plants and micro-organisms.

Bio Online: Biotechnology on the 'Net Images: 10 Links: 37

<http://www.bio.com/bio.html>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

RESOURCE DIRECTORY 'Secure' Bio Online Store: (sm) Biotechnology Software Equipment & Reagents Books & Directories 'Non-secure' Bio Online Store Marketplace Technical Support Documentation Service Firms Contractors Research.

FDA/Center for Food Safety & Applied Nutrition: Biotechnology Images: 0 Links: 7

<http://vm.cfsan.fda.gov/%7E1rd/biotechm.html>

1 Retrieval failure (Webcrawler: biotechnology) No rating

Backgrounder on Biotechnology Background on Emerging Technologies First Biotech Tomato Industry Procedures Questions and Answers on Biotechnology Listing of final consultations under FDA's Biotechnology Policy Go BACK to the CFSAN/FDA food.

BioSpace Catalog Images: 3 Links: 18

<http://www.biospace.com/sd/catalog/>

1 Retrieval failure (Webcrawler: biotechnology) No rating

The UK Biotechnology Handbook '95 is the premier reference guide to the British biotechnology industry. Co-published annually with the BioIndustry Association (BIA) it contains detailed profiles of all the major UK companies operating in this sector. Order t-shirts, posters, directories and notecards from Northern California's Biotech Bay "The Birthplace of Biotechnology".

BIOTECHNOLOGY CENTER HOME PAGE, USU Images: 11 Links: 17

<http://www.usu.edu/%7Ebiotech/main.html>

(Webcrawler: biotechnology) No rating

The Biotechnology Center is a multidisciplinary service center that supports biotechnology research, operates core facility laboratories, teaches courses and workshops in biotechnology methods, and conducts outreach throughout the state. johnlohr@CSCFS1.USU.EDU You are visitor number Counter service provided by <http://www.digits.com/>

The World-Wide Web Virtual Library: Biotechnology Images: 4 Links: 38

<http://www.cato.com/interweb/cato/biotech/>

2 Retrieval failures (Lycos: biotechnology) No rating

This field covers biotechnology, pharmaceutical development, genetic engineering, medical device development, and related fields such as pharmacology and toxicology. Biotechnology Education 6.5.96 Sources of Information Including Other Biotech Directories 9.5.96 Products and Services 16.5.96 Research (research sites) 24.4.96 Publications 10.5.96 Pharmacology and Toxicology 15.2.95 Genetics Research and... MERS Update Multinational Electronic Registration Submissions Internet Conference temporary list of URLs provided for "Strategic Use of the Internet to Accelerate Drug Development" 4.9.95 Other Information Knight-Ridder ScienceBase.

The Biotechnology Information Center Images: 26 Links: 39

<http://www.inform.umd.edu/EdRes/Topic/AgrEnv/Biotech>

(Lycos: biotechnology) No rating

Welcome to the Biotechnology Information Center (BIC), one of ten information centers at the National Agricultural Library of the US Department of Agriculture ARS BIC provides access to a variety of information services and publications covering many... CURRENT CORNER Two new updated resource guides now available BIOTECHNOLOGY-RELATED AUDIOVISUALS DATABASES PERTAINING TO BIOTECHNOLOGY At this site you will find: Links to Ag Biotech-related WWW homepages and Gophers Bibliographies and Resource Guides on a range of biotech topics Miscellaneous Publications such as resource lists, guides, and...

Principles of Biotechnology Images: 0 Links: 30

<http://inform.umd.edu:86/EdRes/Topic/AgrEnv/Biotech/biol.html>

(Lycos: biotechnology) No rating

A narrower and more specific definition of biotechnology is "the commercial application of living organisms or their products, which involves the deliberate manipulation of their DNA molecules. Bone marrow cells are removed, defective DNA in bone marrow cells is supplemented with a copy of normal DNA, and the repaired cells are then returned to the patient's body. Using the techniques of DNA fingerprinting and PCR (polymerase chain reaction) scientists can diagnose viral, bacterial, or fungal infections, distinguish between closely related individuals, or map the locations of specific genes along the vast...

Murine Monoclonal Antibody c7E3-Fab Approved for Marketing Images: 8 Links: 9
http://pharminfo.com/pubs/msb/mma_reopro.html

(Lycos: monoclonal) No rating

The FDA has approved c7E3-Fab (ReoPro/Centocor) for the prevention of abrupt closure of arteries during high-risk angioplasty. A large-scale clinical trial found that infusion of c7E3-Fab for several hours after the angioplasty procedure reduced the risk of reocclusion from 25% to about 19%. While c7E3-Fab did not affect patient survival, it did reduce the incidence of cardiac arrests and the need for emergency procedures, including coronary surgery.

Recombinant BioCatalysis Inc. Home Page Images: 10 Links: 9
<http://www.biocat.com/>

(Webcrawler: recombinant) No rating

Educational Programs Images: 2 Links: 2
<http://www.ciit.org/EDUCATION/edprog.html>

(Webcrawler: recombinant) No rating

More information is available about toxicology training. CIIT's senior scientific staff bring top-flight credentials to the training program, representing diverse expertise in the many subspecialties of toxicology. ft. laboratory facility includes modern facilities for recombinant DNA studies, cell and molecular biology, electron microscopy, nuclear magnetic resonance spectroscopy, inhalation toxicology, inhalation toxicology, animal facilities, and computer...

Lehle Seeds Images: 5 Links: 113
<http://www.arabidopsis.com/>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

| [Catalog](#) | [Bulletins](#) | [Community](#) | [Virtual Growth Room](#) | [Journals](#) | [Miscellaneous](#) | [News](#) | [Newsgroups](#) | [Opportunities](#) | [Resources](#) | [Software](#) | [Teaching](#) | [Vendors](#) | In addition to selling seeds, we are the USA and Canadian distributor of the ARASYSTEM, a growth and seed harvesting system for Arabidopsis. We also sell Arabidopsis books, plant tissue culture media and vacuum infiltration supplies We also do custom mutation of transgenic Arabidopsis seeds and custom production of M2 populations.

Promega Images: 22 Links: 22

<http://www.promega.com/promega.html>

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Promega Catalog ONLINE Technical Resources Selected Product Areas New Products/New Literature Promega Publications Online Roche v. Promega Updates Express T-shirt Design Contest Non-Radioactive Alternatives BioLink Resources Summer Courses Promega...

No Title Images: 0 Links: 1

<http://www.aslaninc.com/VacDes/Pharmbio.html>

1 Retrieval failure (Alta Vista: biotechnology) No rating

About the PHARMACEUTICAL BIOTECHNOLOGY SERIES. BIOTECHNOLOGY SERIES, contact PLENUM PUBLISHING at 233 Spring Street, New York, NY, 10013-1578; (PH) 212-620-8011.

Upstate Biotechnology Internet Services Images: 4 Links: 8
<http://www.biosignals.com/index.html>

(Alta Vista: biotechnology) No rating
Wiley Journals Catalog 1995 Images: 0 Links: 0
<http://sunsite.nus.sg/wiley-text/lif/lif193.html>
 1 Retrieval failure (Alta Vista: bioengineering) No rating

Biochemical engineers Fermentation technologists Enzyme technologists Microbiologists
 Environmental engineers Food processors INDEXED OR ABSTRACTED IN Individual
 Rate: Contact the publisher directly
Life Sciences/Bioengineering Images: 18 Links: 27
http://library.utoronto.ca:8002/LIFESC_descr.html
 3 Retrieval failures (Alta Vista: bioengineering) No rating

BioEngineering Abstracts and Biological Sciences & Living Resources (Part 1 of the
 Aquatic Sciences & Fisheries Abstracts series). The database is derived from 20 journals,
 abstracting and indexing 6,500 worldwide publications. The abstracts index various
 documents: Journal articles Conference proceedings and individual presentations Technical
 reports Books and individually authored chapters Monographs Patents These are drawn
 from 1,887 primary sources and 5,500 secondary...
welcome to ICGEB Images: 1 Links: 29
<http://www.icgeb.trieste.it/>
 (Lycos: biotechnology) No rating

ICGEB is an international organization, established in order to promote the safe use of
 biotechnology world-wide, with special regard to the needs of the developing world. ICGEB
 has two main laboratories, one in Trieste, Italy and one in New Delhi, India. In addition,
 ICGEB coordinates a network of national laboratories in Member Countries ICGEB's main
 activities are research, training (fellowships, courses) and scientific services.
The National Center for Biotechnology Information Images: 8 Links: 25
<http://www.ncbi.nlm.nih.gov/>
 (Lycos: biotechnology) No rating

dbEST: Database of Expressed Sequence Tags dbSTS: Database of Sequence Tagged Sites
 MMDB: Molecular Modelling Database NCBI Taxonomy OMIM: Online Mendelian
 Inheritance in Man Unigene: Unique Human Gene Sequence Collection Human/Mouse
 Homology Maps... Research Projects Staff Bibliography Full Text of Selected Staff
 Publications Revised May 17, 1996
Bioengineering Images: 0 Links: 21
<http://icse1.ucsd.edu/~mdimicco/bioeng.html>
 (Lycos: bioengineering) No rating

Bioengineering Department home page, which has information on UCSD as well as links
 to other sites of interest. The Whitaker Foundation maintains BMENet, which is a good
 source for information on the field. They are also the source of a good chunk of my funding
 right now, and hopefully, they will fund me on a predoctoral fellowship for which I've
 applied.

Coulter Corporation Images: 3 Links: 10
<http://www.coulter.com/>
 (Yahoo: monoclonal) No rating

Problem reports to Webmaster@Coulter.com Last Update: Saturday, May 04, 1996
 09:58:19

Biotechnology defined for the layperson Images: 0 Links: 30
[http://inform.umd.edu:86/Educational_Resources/AcademicResourcesByTopic/AgricultureE
 nvironmentResources/Biotechnology_Information_Center/bio1.html](http://inform.umd.edu:86/Educational_Resources/AcademicResourcesByTopic/AgricultureEnvironmentResources/Biotechnology_Information_Center/bio1.html)
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 B) No rating

A narrower and more specific definition of biotechnology is "the commercial application
 of living organisms or their products, which involves the deliberate manipulation of their
 DNA molecules. Bone marrow cells are removed, defective DNA in bone marrow cells is

supplemented with a copy of normal DNA, and the repaired cells are then returned to the patient's body. Using the techniques of DNA fingerprinting and PCR (polymerase chain reaction) scientists can diagnose viral, bacterial, or fungal infections, distinguish between closely related individuals, or map the locations of specific genes along the vast...

Yahoo Biotechnology Listings Images: 7 Links: 24

<http://www.yahoo.com/yahoo/science/biology/biotechnology>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

Science: Biology: Biotechnology Options Search all of Yahoo Search only in Biotechnology Indices (4) Biomedical Engineering@ Conferences (6) Courses (2) Institutes (12) Journals (3) Organizations (9) Biotech BiblioNet a free, monthly bibliography of... Glossary of Biotechnology Terms A cross-referenced and soon-to-be searchable glossary of biology and biotechnology terminology. National Biotech Register a comprehensive up-to-date reference guide on research and product development activity in the biotechnology industry.

Virtual Library Biotechnology Listings Images: 4 Links: 38

<http://www.cato.com/interweb/cato/biotech>

2 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

This field covers biotechnology, pharmaceutical development, genetic engineering, medical device development, and related fields such as pharmacology and toxicology.

Biotechnology Education 16.5.96 Sources of Information Including Other Biotech Directories 9.5.96 Products and Services 17.5.96 Research (research sites) 24.4.96 Publications 10.5.96 Pharmacology and Toxicology 15.2.95 Genetics Research and... MERS Update Multinational Electronic Registration Submissions Internet Conference temporary list of URLs provided for "Strategic Use of the Internet to Accelerate Drug Development" 4.9.95 Other Information Knight-Ridder ScienceBase The Web, in...

Biotechnology Patents Images: 7 Links: 8

http://www.inform.umd.edu/EdRes/Topic/AgrEnv/Biotech/Biotechnology_Patents-full_text

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

BioSpace List of Biotech Industry Suppliers Images: 3 Links: 10

http://www.biospace.com/sd/exhib_script/Industry_Suppliers.html

1 Retrieval failure (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

BioSpace exhibitors Images: 3 Links: 44

<http://www.biospace.com/sd/universe/index.html>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

We have grouped companies "exhibiting" in BioSpace into different industries and market segments. Clicking on the underlined text will take you to a list of companies in a specific industry or market segment. Human Therapeutic companies focus on developing new therapeutic drugs for the treatment of human disease.

Genentech Images: 2 Links: 18

<http://outcast.gene.com/>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

Your source for important information about all facets of the Corporation, its financial picture, and its business strategies and collaborations that will support future successes. Genentech's success is founded upon strong science. Access Excellence assists high school biology teachers by providing peer contact, access to scientists and research laboratories, and many other resources for teaching biology at the high school level.

Macromolecular Resources' Favorite BioTech Links Images: 1 Links: 54

http://mmr.bmb.colostate.edu/biotech_links.html

(Webcrawler: biotechnology) No rating

Baylor Molecular Genetics Colorado State University Department of Biochemistry and Molecular Biology Colorado State University Program in Molecular, Cellular, and Integrative Neurosciences University of Colorado Health Sciences Center Johns Hopkins... Association of Biomolecular Resource Facilities BioSpace Biotechnology defined for the layperson Biological Research Network, Int'l. BioSpace List of Biotech Industry Suppliers Registry of Internet Links to Biotech and Biomedical organizations ATCG Listing of Biotechnology Companies BioSpace exhibitors American Type Culture Collection Anderson's Timesaving Comparative Guide Martin...

National Agricultural Biotechnology Council Images: 2 Links: 8

<http://www.cals.cornell.edu/extension/nabc/webhome.html>

(Webcrawler: biotechnology) No rating

Providing people with differing viewpoints a neutral forum where they can come together and freely exchange ideas on the critical issues facing agricultural biotechnology, the National Agricultural Biotechnology Council (NABC), founded in 1988,... Timely national policy issues where the impact of biotechnology is expected to be high are discussed. Those responsible for research, development and policy decisions in universities, state and federal governments, and the agribusiness community benefit from a broadened understanding of the issues and the policy questions biotechnology poses.

About Israel's Biotechnology Industry Images: 0 Links: 0

<http://www.usibc.org/3b.html>

1 Retrieval failure (Webcrawler: biotechnology) No rating

The following document is the Executive Summary of a book entitled: BREAKTHROUGH DIVIDEND: ISRAELI INNOVATIONS IN BIOTECHNOLOGY THAT COULD BENEFIT AMERICA by Dr. Irvin Asher and is a publication of the American-Israeli Cooperative Enterprise and was... Given the world's major needs food, health, energy biotechnology is one of the most exciting and potentially profitable fields imaginable. The specific Israeli innovations in biotechnology, moreover, create opportunities for strategic alliances that can benefit the companies involved and, more broadly, the citizens of Israel and the United States.

Prof. Dr. Dr. h.c. K. Schügerl Images: 33 Links: 2

<http://www.tci.uni-hannover.de/schueg.htm>

(Webcrawler: biotechnology) No rating

Birthdate : June 22, 1927 1966-1969 Technical University of Braunschweig, Associate Professor 1966 Offer of an appointment as Associate Professor of Chemical Engineering at New York University, New York, USA. Acta Editorial Advisory Board: BioEngineering Editor: Technical Membranes in Biotechnology (German) VCH (with M.R. Kula and C. Wandrey) 1986 Editor: Physico-Chemical Fundamentals of Downstream Processing (German) VCH (with M.R. Kula and U. Onken)...

CEB Homepage Images: 5 Links: 13

<http://www.ra.utk.edu/ceb/home.htm>

(Alta Vista: biotechnology) No rating

The University of Tennessee, Knoxville The Center for Environmental Biotechnology (CEB), founded in 1986, is one of the oldest environmental biotechnology research centers in the country. We are located on the technology corridor between the Oak Ridge National Laboratory and the University of Tennessee, Knoxville. Teams of graduate and post graduate researchers conduct experiments at the CEB under director, Dr. Gary S. Sayler, and executive director, Dr. David C. White.

Weizmann Institute Bioinformatics: Biotechnology Images: 2 Links: 11

<http://bioinformatics.weizmann.ac.il/biotechnology.html>

1 Retrieval failure (Alta Vista: biotechnology) No rating

Biotechnology in Israel Interesting Web Sites Conferences Catalogs Employment Vered Chalifa-Caspi, lhchalif@bioinformatics.weizmann.ac.il

GaTech Bioengineering - Programs Images: 1 Links: 2

<http://www.bioeng.gatech.edu/academic/undergraduate.html>

1 Retrieval failure (Alta Vista: bioengineering) No rating

UBI Catalog Item# 01-310 Images: 2 Links: 3

<http://www.biosignals.com/catalog/01-310.html>

(Alta Vista: recombinant) No rating

Human Recombinant Platelet Derived Growth Factor, AB Molecular Weight: approximately 31,000 Daltons (dimer of one A chain and one B chain) Physical Form: 0.2-micron filtered and vialled aseptically, frozen Formulation: 10 micrograms PDGF-AB in approx. 75 microliters Tris-HCl/0.3 M NaCl, pH 7.4...

UBI Catalog Item# 01-151 Images: 2 Links: 3

<http://www.biosignals.com/catalog/01-151.html>

(Alta Vista: recombinant) No rating

UBI Catalog Item# 01-115 Images: 2 Links: 3

<http://www.biosignals.com/catalog/01-115.html>

(Alta Vista: recombinant) No rating

UBI Catalog Item# 01-305 Images: 2 Links: 3

<http://www.biosignals.com/catalog/01-305.html>

(Alta Vista: recombinant) No rating

LSA – The DNA Rollercoaster Images: 7 Links: 7

<http://www.strategix.com/lisa/crop.htm>

1 Retrieval failure (Alta Vista: DNA) No rating

The graphic was created with a number of drawing and 3D rendering packages, and includes a photograph. The design concept for the rollercoaster was Abby's; the illustration was created by Craig Sarachene and the photography shot by Andrew Watson, all under the direction of Shelah Norman, graphic designer, for Strategix, Inc. The mystic logo on the... for this home page was created and is managed by Strategix, Inc. Use of graphics and/or copy is strictly prohibited without

clari.tw.biotechnology Images: 2 Links: 8

<http://tile.net/news/claritwb.html>

(Lycos: biotechnology) No rating

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BIOENGINEERING ABSTRACTS by Cambridge Scientific Abstracts Images: 0 Links: 0

<http://sunsite.nus.sg/bibdb/pub/csa/csa008.html>

1 Retrieval failure (Lycos: bioengineering) No rating

Publisher: Cambridge Scientific Abstracts Encompassing a wide range of disciplines, this journal provides access to international research on all aspects of biochemical and microbial technology as applied to bioengineering.

Bioengineering/Biomechanics Images: 0 Links: 16

<http://www.engr.lib.uc.edu/resources/bioengr.html>

(Lycos: bioengineering) No rating

DATABASES are online equivalents of indexes and abstracts generally covering a period of twenty years. Consult the International Directory of Engineering Societies and Related Organizations (TA12.D4857 1995), the Encyclopedia of Associations (HS17.E5) or the National Trade and Professional Associations of the United States (HD2425.D53).

Recombinant BioCatalysis(tm), Inc. Images: 1 Links: 2

http://www.bio.com/bc/recomb_biocat.html

1 Retrieval failure (Lycos: recombinant) No rating

Recombinant BioCatalysis, Inc. (RBI) is dedicated to the discovery, development, and commercialization of new protein-based catalysts for use in chemical synthesis and industrial processes. RBI has proprietary access to huge sources of new biocatalysts which are able to

function at the extremes of temperature, pH, and other environments demanded by industry. In addition, RBI has the capability to modify these biocatalysts to perform optimally to meet specific customer needs.

- Paragon Biotech WEBalog Images: 2 Links: 3
<http://www.cris.com/~biotech/paragon.html>
1 Retrieval failure (Yahoo: biotechnology) No rating
 These sites are best viewed with Netscape Navigator. Concentric Research Corporation provides this page as a service to its customers and is not responsible for its content.
PharMingen Images: 12 Links: 9
<http://www.pharmingen.com/>
(Yahoo: biotechnology) No rating
 Our website is currently under construction and we welcome any comments and suggestions you may have on our site and its features. Please press a button below to select the information you wish to link to. You can also find links to popular science-related sites, a complete, up-to-date product list as well as employment opportunities at PharMingen.
Links to Biotechnology-related Web Sites Biotechnology Information Resources B Images: 0
Links: 58
<http://operon.com/links.html>
2 Retrieval failures (Lycos: biotechnology) No rating
 Biotechnology defined for the layperson Internet Directory of Biotechnology Resources
Yahoo Biotechnology Listings Virtual Library Biotechnology Listings Biological Research Network, Int'l. Applied Genetics News Bio/Technology Genetic Engineering News Nature Genetics Scientist, The Plant Gene Register gopher Ophelia Publishing Other Online Biological Journals of Interest gopher BIONET Journals Contents Newsgroup Biotech Industry... BioSpace List of Biotech Industry Suppliers Registry of Internet Addresses of Biotech and Biomedical related companies/organisations ATCG Listing of Biotechnology Companies BioSpace exhibitors collection Biological Research Network, Int'l ATCC ATCG...
ANTIBODY PRODUCTION Images: 6 Links: 9
<http://www.biosyn.com/antibody.htm>
 (Webcrawler: monoclonal) No rating
Graphics Gallery Index Images: 2 Links: 46
<http://www.gene.com/ae/AB/GG/index.html>
 (Webcrawler: monoclonal) No rating
Seabright Corporation Ltd Images: 31 Links: 30
<http://www.ucs.mun.ca/%7Estephenm/seabright.html>
1 Retrieval failure (Webcrawler: monoclonal) No rating
 Seabright Corporation Ltd. is the technology transfer agency of Memorial University of Newfoundland The company was established in 1982 to increase the economic benefits to Newfoundland and Labrador from research and development conducted at Memorial, as well as complement and support similar developments and activities at other educational...
Technologies High Speed Forward Error Correction Algorithm Scallop Hatchery Technology Whale Aqualert Acoustic Net Alarm A Means To Reduce Plasma Cholesterol New Fast RayTracing Algorithm for 3D Modeling Oil Fingerprinting/Identification Technology...
<http://mbcr.bcm.tmc.edu/Paula/Thesis/thesis8.html> Images: 4 Links: 2
<http://mbcr.bcm.tmc.edu/Paula/Thesis/thesis8.html>
(Webcrawler: DNA) No rating
 The shifts in the spectra of dyes as they became intercalated into DNA were followed in order to determine how much DNA was required to ensure that most of the dye molecules were in the intercalated state, so that the dye reactions could be studied... 40 units (as defined

by McCord and Fridovich)104 of SOD were added to test for its ability to inhibit the reduction of cytochrome c. NADH oxidation The oxidation of NADH was studied similarly; the cuvettes contained dye, 0.05 m potassium phosphate... Top line is spectrum of 5.0 mM acridine orange in 50 mM phosphate buffer, pH 7.6. The second line from the top is the spectrum of the same solution with the addition of 12 mM DNA; third, same with 23 mM DNA; fourth, same with 35 mM DNA; fifth, same...

Monica's Ancient DNA page Images: 5 Links: 9
<http://www.ftech.net/%7Emonark/biology/ancient.htm>

1 Retrieval failure (Webcrawler: DNA) No rating

DNA: info Images: 10 Links: 6

<http://inforamp.net/%7Eravegfx/fun.html>

2 Retrieval failures (Webcrawler: DNA) No rating

DNA: info DNA was started in the spring of 95 by three people; Dan Awadalla , Andrew Chen, and Paul Tichonczuk (the guy who wrote this site). DNA was started with the hopes of giving Toronto area aggressive skaters a look of there own. Our first five shirts where out by summer with different logos on them (each logo will be featured on every page). .

Genetics Computer Group Images: 10 Links: 43

<http://www.gcg.com/>

3 Retrieval failures (Yahoo: DNA) No rating

1994) SeqLab Program Enhancements in Version 9 GCG Search Service provides quick FrameSearch Database Queries Wisconsin Sequence Analysis Package Database Update Service Documentation WisPPR (Wisconsin Package Printing) Training Free Stuff Software.

DNA Order Form Images: 0 Links: 3

<http://meds-ss10.meds.queensu.ca/medicine/biochem/core/dnaorder.htm>

1 Retrieval failure (Alta Vista: DNA) No rating

To submit your order 'click' the "Place this order" button at the end of the form once you have finished entering your information. This form will need to be signed when the order is picked up. Phosphorothioate Modification at all sites

PPS - Elements of transcription Images: 0 Links: 25

<http://www.strath.ac.uk/Departments/BioSci/PPS/TranscriptionIndex.html>

2 Retrieval failures (Alta Vista: DNA) No rating

DNA Info. & Stock Center, Japan Images: 5 Links: 61

<http://www.dna.affrc.go.jp/>

(Lycos: DNA) No rating

Gopher / FTP Server : DDBJ/EMBL/GenBank/PIR/SwissProt sequence database, including daily updates, are separately collected with its accession number.

Aureobasidin A Images: 39 Links: 11

<http://www.panvera.com/catalog/cloning.html>

3 Retrieval failures (Lycos: DNA) No rating

The DNA Ligation Kit is designed for use with all cloning procedures requiring the covalent joining of DNA molecules in vitro Using an optimized buffer system and T4 DNA Ligase, this kit allows efficient ligation in 30 minutes with high... The resulting blunt-end DNA can be ligated efficiently into a vector using the same optimized buffer system employed in TaKaRa's DNA Ligation Kit (TAK 6021). Recovery of DNA fragments from agarose gel slices and the cloning of the fragments into vector DNA can be accomplished rapidly by the combined use of SUPREC™ 01 (TAK 9040), SUPREC™ 02 (TAK 9041), and the DNA Ligation Kit (TAK 6021).

Biotechnology Information Resources Images: 0 Links: 58

<http://operon.com/links.html#info>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

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Network, Int'l. Applied Genetics News Bio/Technology Genetic Engineering News Nature Genetics Scientist, The Plant Gene Register gopher Ophelia Publishing Other Online Biological Journals of Interest gopher BIONET Journals Contents Newsgroup Biotech Industry... BioSpace List of Biotech Industry Suppliers Registry of Internet Addresses of Biotech and Biomedical related companies/organisations ATCG Listing of Biotechnology Companies BioSpace exhibitors collection Biological Research Network, Int'l ATCC ATCG. Human Genome Program Home Page Images: 48 Links: 49

http://www.er.doe.gov/production/oher/hug_top.html

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

A brief introduction to the DOE Program A primer on the basic science of the program Additional information about the US Human Genome Program Information provided by the Human Genome Management Information System (HGMIS) at the Oak Ridge National... Human Genome News DOE Program Reports DOE 1994 Contractor-Grantee Workshop DOE 1993 Human Genome Program Report An update to the 1991-1992 program report DOE 1991-1992 Human Genome Program Report Meeting Reports Genome Informatics Report: DOE-sponsored workshop on Genome Informatics held 26-27 April 1993 FTF Meeting November 15, 1994 A meeting about the federation of genome software tools (A Federated Tools Framework.

ATCC Images: 13 Links: 25

<http://www.atcc.org/>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

ATCC is a global bioscience organization that provides biological products, technical services, and educational programs to private industry, government, and academic organizations around the world. The mission of the ATCC is to acquire, authenticate, and maintain reference cultures, related biological materials, and associated data, and to distribute these to qualified scientists in government, industry, and education. ATCC catalogs printed | diskette | CD-ROM | on-line search

ATCG Images: 2 Links: 33

<http://www.atcg.com/atcg/index.html>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

DNA Libraries For All by Organisms by Subgroup To Be Added When We have Received More Information By Substrate (DNA, RNA, Protein, Carbohydrate etc...) Ambros Lab Comprehensive C. elegans-related and molecular biology protocols Collection

Biotechnology Permits – 7 Code of Federal Regulations... Images: 0 Links: 10

<http://www.orcbs.msu.edu/biological/7cfr340.html>

(Webcrawler: biotechnology) No rating

Any living stage (including active and dormant forms) of insects, mites, nematodes, slugs, snails, protozoa, or other invertebrate animals, bacteria, fungi, other parasitic plants or reproductive parts thereof, viruses; or any organisms similar to or... Any organism which has been altered or produced through genetic engineering, if the donor organism, recipient organism, or vector or vector agent belongs to any genera or taxa designated in 340.2 and meets the definition of plant pest, or is an... (If there is any question concerning the plant pest status of an organism belonging to any listed genera or taxa, the person proposing to introduce the organism in question should consult with APHIS to determine if the organism is subject to...

Ladas & Parry - Biotechnology and United States Patent... Images: 20 Links: 32

<http://www.ladas.com/GUIDES/BIOTECH/Biotechnology.USA.html>

(Webcrawler: biotechnology) No rating

(2) For other "existing" patents or for patents granted on applications on file on June 7th, 1995 the term has become 17 years from grant or 20 years from the first effective date of the

U.S. filing whichever is greater. However, in order to ensure that evidence in respect of inventions made abroad is reliable, strict requirements will be applied to testimony taken outside the U.S. Little, if any, weight may be given to testimony taken in a foreign country unless the... The second main topic which could affect U.S. biotechnology patent practice in the U.S. is the issue of the examination standards applied by the U.S. Patent Office to biotechnology patent applications.

Glossary Images: 0 Links: 0

<http://www.gdb.org/Dan/DOE/prim6.html>

(Webcrawler: recombinant) No rating

cM: See centimorgan Code: See genetic code Codon: See genetic code Complementary DNA (cDNA): DNA that is synthesized from a messenger RNA template; the single-stranded form is often used as a probe in physical mapping Complementary sequences:... DNA is a double- base pairs of nucleotides the four nucleotides in dna contain the bases"> stranded molecule held together by weak bonds between base pairs of nucleotides The four nucleotides in DNA contain the bases: adenine (A), guanine (G),... Genome: All the genetic material in the chromosomes of a particular organism; its size is generally given as its total number of base pairs Genome projects: Research and technology development efforts aimed at mapping and sequencing some or all of...

Glossary Images: 0 Links: 0

<http://brut.gdb.ORG/Dan/DOE/prim6.html>

(Webcrawler: recombinant) No rating

cM: See centimorgan Code: See genetic code Codon: See genetic code Complementary DNA (cDNA): DNA that is synthesized from a messenger RNA template; the single-stranded form is often used as a probe in physical mapping Complementary sequences:... DNA is a double- base pairs of nucleotides the four nucleotides in dna contain the bases"> stranded molecule held together by weak bonds between base pairs of nucleotides The four nucleotides in DNA contain the bases: adenine (A), guanine (G),... Genome: All the genetic material in the chromosomes of a particular organism; its size is generally given as its total number of base pairs Genome projects: Research and technology development efforts aimed at mapping and sequencing some or all of...

Virus Genomes Images: 9 Links: 14

<http://www-micro.msb.le.ac.uk/109/Genomes.html>

(Webcrawler: DNA) No rating

Unlike the genomes of all cells, which are composed of DNA, virus genomes may contain their genetic information encoded in either DNA or RNA. Segmentation is a common though not universal feature of such viruses, e.g. Orthomyxoviruses Negative-sense RNA genomes are not infectious as purified RNA. The genome size of this virus can also be increased by the addition of extra sequences in the non-essential intergenic region without the penalty of becoming incapable of being packaged into the capsid very unusual.

DNA Info. & Stock Center, Japan Images: 5 Links: 61

<http://www.dna.affrc.go.jp:10081/>

(Alta Vista: DNA) No rating

Gopher / FTP Server : DDBJ/EMBL/GenBank/PIR/SwissProt sequence database, including daily updates, are separately collected with its accession number.

Philippine Biotechnology Research Institute Profiles Images: 0 Links: 0

<http://www.uplb.edu.ph/biotech/biophil1.html>

1 Retrieval failure (Lycos: biotechnology) No rating

The UP system is relatively more equipped although the facilities "can be classified as inadequate due to a large number of major students." Almost all of the Institutes are not yet actively involved in technology transfer or the commercialization of products derived from research.. Compared with accomplishments in research, technology transfer activities especially commercialization of technologies have not been effective among the institutes surveyed.

Bca DNA Polymerase Images: 30 Links: 12

<http://www.panvera.com/catalog/polymrse.html>

1 Retrieval failure (Lycos: DNA) No rating

The LA Taq Supplement is the same polymerase and buffer system found in the LA PCR Kit, Version 2. The LA Taq Supplement can be used in conjunction with the LA PCR Kit to increase the total number of reactions. Using the optimized 10X LA PCR Buffer, Takara Ex Taq produces longer PCR products with higher fidelity than other DNA polymerases. Takara Ex Taq DNA Polymerase combines the proven performance of Takara Taq DNA Polymerase with an efficient 3'-5' exonuclease activity for unsurpassed PCR performance.

DNA home page Images: 2 Links: 21

<http://www.dna.lth.se/>

(Lycos: DNA) No rating

DNA Polymerases Images: 6 Links: 0

<http://bsmcha1.biochem.ucl.ac.uk/bsm/xtal/teach/repl/klenow.html>

2 Retrieval failures (Lycos: DNA) No rating

DNA Polymerase I is one of three DNA polymerases found in E.coli Pol III is essential for DNA replication, Pol II is of unknown function, and Pol I is probably the main DNA polymerase involved in DNA repair. Pol I has three distinct catalytic activities: template dependant 5'-3' primer extension 3'-5' proofreading exonuclease 5'-3' error-correcting exonuclease Limited proteolysis of Pol I releases the 36kDa 5'-3' error-correcting exonuclease leaving a... The structure of Klenow fragment has been determined alone and in a variety of complexes with nucleotides and DNA.

3D Structure of E.coli Core RNA Polymerase. Cell. Polyako... Images: 30 Links: 122

http://darst_pc.rockefeller.edu/corepaper/core.htm

(Webcrawler: DNA) No rating

Sequence homologies suggest structural homologies, which are borne out by low-resolution structures of Escherichia coli RNAP holoenzyme (Darst al., 1989), yeast RNAP II (Darst al., 1991), and yeast RNAP I (Schultz al., 1993), all determined... Here we report the three-dimensional (3D) structure of E. coli core RNAP (which lacks a subunit), determined at a resolution of about 23 by EM of negatively-stained crystals tilted at various angles to the incident electron beam (Amos al.,... In projection, after processing and averaging using standard methods (Amos al., 1982; Brisson and Unwin, 1984; Henderson al., 1986; Kubalek al., 1987), diffraction data from the flattened tubes extended completely to 20 resolution.

DNAgency Images: 1 Links: 6

<http://www.dnagency.com/>

(Yahoo: DNA) No rating

Experienced in the manufacturing of oligonucleotides since 1980, we offer reliability and affordability at a time when synthetic oligos are being used routinely in research and diagnostic laboratories. Our unique production software has been specifically developed for the safest handling of very large numbers of oligonucleotides and the best quality control. Besides bar coding of all syntheses, a set of interactive databases allows us to retrieve information about customers, orders, deliveries and controls.

Identigene Images: 11 Links: 4

<http://www.identigene.com/>

1 Retrieval failure (Webcrawler: DNA) No rating

Identigene's advantages are: Faster results than any other DNA lab Painless cheek swab samples are used instead of blood Identigene leads the industry with today's cutting-edge technology. This new technology will again revolutionize the identity testing industry: a test will take hours instead of days. Identigene intends to remain at the technological forefront of its industry to bring consumers the fastest, least expensive, and most accurate DNA identity testing possible.

- DNA 95 Catalog Images: 7 Links: 2
<http://inforamp.net/%7Eravegfx/cat95.html>
2 Retrieval failures (Webcrawler: DNA) No rating
 anti-grav.i.ty boots n. Stylish conceptual footwear, engineered to counteract the restrictive force placed upon every individual. A \$10 shipping charge applies for 1 week delivery, call for exact shipping costs.
hw5.html Images: 4 Links: 0
http://soma.npa.uiuc.edu/courses/physl317/part1/hw5/_hw5.html
1 Retrieval failure (Alta Vista: bioengineering) No rating
 METHODS IN COMPUTATIONAL NEUROBIOLOGY Fall Semester 1995 Homework Assignment #5 (Due by end of class: Wed, Oct 11) 1. Modify your previous model of a passive cable (HW #4, problem 1) so that different compartments can have different properties. (a-e) For the 10-compartment cable with uniform radius of 2 mm shown in (a) above, determine the value of injected current that gives a 10 mV steady-state depolarization in the injection compartment (your answer should be the same as in HW #4:... Generate a plot of steady-state voltage vs. electrotonic distance for all 5 geometries (overlaid on a single plot) (f) Cases (b)&(d) and (c)&(e) can be interpreted as current injection into opposite ends of the same cable.
 ewing with Netscape 1.1 or greater.
-

- Therapy of Metastatic Melanoma with Monoclonal Antibodies Images: 2 Links: 28
http://oncolink.upenn.edu/med_onc/mm_moab_rx.html
2 Retrieval failures (Lycos: monoclonal) No rating
 The GD3 ganglioside is expressed at a low level on some normal tissues, including subpopulations of neurons, the adrenal medulla, melanocytes, and connective tissue in a variety of organs, while melanoma cells express much higher levels. Ricin and other immunotoxins have demonstrated anti-tumor activity against cultured melanoma cells and melanoma tumors growing in mice. The diagnosis and therapy of melanoma with radiolabeled MABs has been reviewed elsewhere, [3] as well as by others in this issue of New Perspect Cancer Diagn Manage While tumor-to-normal tissue ratios of MABs and radionuclides are typically favorable...
Monoclonal Antibody Technology Images: 1 Links: 1
<http://esg-www.mit.edu:8001/bio/imm/monoclonal.html>
1 Retrieval failure (Lycos: monoclonal) No rating
 A vaccine is a preparation of killed or weakened bacteria or viruses that, when introduced into the body, stimulates the production of antibodies against the antigens it contains. The conventional method was to inject a laboratory animal with an antigen and then, after antibodies had been formed, collect those antibodies from the blood serum (antibody-containing blood serum is called antiserum). Monoclonal antibody technology allows us to produce large amounts of pure antibodies in the following way: We can obtain cells that produce antibodies naturally; we also have available a class of cells that can grow continually in cell culture.
Melanoma Images: 3 Links: 54
<http://oncolink.upenn.edu/disease/melanoma/index.html>
2 Retrieval failures (Webcrawler: monoclonal) No rating
 Last Revision Date Tue Apr 23 4:52:21 1996 Copyright 1994-1996, The Trustees of the University of Pennsylvania General Information About Cancer Medical Supportive Care for the Cancer Patient Medical issues related to the treatment of cancer, such as pain management. Originally published as "Diagnosis and Treatment of Early Melanoma."
http://www.canctr.mc.duke.edu/Pno_dir/labprog.htm Images: 1 Links: 6
http://www.canctr.mc.duke.edu/Pno_dir/labprog.htm

(Webcrawler: monoclonal) No rating

Accomplishments to Date The accomplishments to date of this extensive research program include: Development and refinement of the avian retrovirus brain tumor model, one of the most widely used autochthonous mammalian models of primary glial brain... Definition of the major cytogenetic abnormalities in malignant human gliomas, i.e., gains of chromosome 7, losses of chromosome 10, structural abnormalities of 9p and the presence of double minute chromosomes in 40% of cases. Development of the first monoclonal antibody (81C6) and many second generation monoclonals reacting with a new human extracellular matrix protein, tenascin, potentially important in brain development and glial cell adhesion, invasion, migration, and...

Mats Ohlin Home Page Images: 1 Links: 10

<http://www.kc.lth.se/immun/texter/MO/MO.html>

4 Retrieval failures (Webcrawler: monoclonal) No rating

My name is Mats Ohlin and I work as an associated professor at the Department of Immunotechnology, Lund University. This research is mainly focused on the use of human antibodies for such purposes. My own research focus was originally on human monoclonal antibody technology involving regular cell cloning techniques.

Clinical Research Highlights Images: 3 Links: 3

<http://www.cancer.med.umich.edu/clrsrchhl1.html>

3 Retrieval failures (Webcrawler: monoclonal) No rating

Remarkably, patients experienced minimal or no side effects from treatment.

Bioworld Web Page Images: 9 Links: 1

<http://www.infi.net/%7Ebioworld/>

(Webcrawler: monoclonal) No rating

We provide quality monoclonal antibodies and recombinant proteins for Herpesvirus research applications. In the past these antibodies were only available via distributors, but now they can be ordered directly from us. If you are interested in additional information, send us your query by fax: (804) 425-8103

Tanox Biosystems, Inc. Home Page Images: 19 Links: 4

<http://www.cyberhouse.net/Tanox/>

1 Retrieval failure (Webcrawler: monoclonal) No rating

Tanox also has longer term research efforts directed towards the development of two additional technologies for product opportunities such as a therapeutic immunogen for treatment of IgE-mediated allergic diseases and a genetically enhanced cytokine...

MigismIgA, an antibody designed to deplete or down modulate IgA-secreting B cells, is being developed for the treatment of IgA nephropathy, a disease caused by excess deposits of IgA-containing immune complexes in the kidneys and resulting in... Under the agreement, Ciba obtained worldwide marketing rights to jointly develop anti-IgE products in exchange for an up-front payment, research and development payments, milestone payments, equity investments and other consideration.

Tsukuba Bioscience Hall Images: 1 Links: 9

<http://ss.cc.affrc.go.jp/tbh/tbh-info.html>

(Webcrawler: monoclonal) No rating

PeproTech, Inc. Images: 1 Links: 3

<http://www.biores.com/mfg/PeptoTech.html>

(Webcrawler: monoclonal) No rating

Since 1988, PeptoTech has been devoted to the development and manufacture of recombinant cytokines for life science research. We have developed cost-effective processes for the commercial production of over 70 fully biologically-active cytokines of utmost purity and have grown to become a world leader in this field. PeptoTech continues to focus on the development of more products with an emphasis on the most recently discovered cytokines.

Cytomegalovirus research at the Dept. of Immunotechnology Images: 3 Links: 22

<http://www.kc.lth.se/immun/TEXTER/CMV.html>

2 Retrieval failures (Yahoo: monoclonal) No rating

If you are interested in general information on cytomegalovirus, please read this information compiled by the Centers for Disease Control (CDC, Atlanta, GA, USA) or this brief information text provided by the Epidemiology and Disease Control Program... An investigation of the antibody variable region usage of repertoires specific for the pp65 antigen as well as glycoprotein B. These studies include comparisons of these variable domain sequences to antibodies displaying autoimmune activity. The chain shuffling approach may thus develop new ultrafine specificities not previously found among available monoclonal antibodies but which at least in this case had been observed in polyclonal antibody preparations.

ALSBYTE Biotechnology Reagents and Software Images: 11 Links: 11

<http://www.alsbyte.com/bio/>

(Yahoo: DNA) No rating

ALSBYTE Biotech Products is a woman owned business representing quality manufacturers of reagents and software for molecular biology. Epicentre Technologies: Enzymes and kits for molecular biology Ansell: Monoclonal Antibodies to CDs

Hybridomas and Monoclonal Antibodies Images: 2 Links: 5

http://www.cshl.org/books/monoclonal_antibodies.html

(Alta Vista: monoclonal) No rating

Produced by the University of Pittsburgh Charles Brinton and Sarah Wood, Executive Producers In 1995, the hybridoma technique for generating monoclonal antibodies will have had 20 years of refinement and application. The demonstrations are accompanied by audio commentary on the procedures involved and their theoretical basis.

Using simple Markov models to search DNA databases Images: 4 Links: 4

<http://www.cse.ucsc.edu/~karplus/ismb95-submit/ismb95-submit.html>

1 Retrieval failure (Alta Vista: DNA) No rating

Monoclonal Antibody Production Images: 2 Links: 2

<http://outcast.gene.com/ae/AB/GG/monoclonal.html>

(Lycos: monoclonal) No rating

Illustration of a process by which large quantities of antibodies can be produced.

LEGEND Monoclonal antibodies are produced by fusing single antibody-forming cells to tumor cells grown in culture. The resulting cell is called a hybridoma.

VMRD, Inc., Veterinary Diagnostics, Immunology, Monoclonal... Images: 2 Links: 21

<http://www.vmr.com/>

(Webcrawler: monoclonal) No rating

TABLE OF CONTENTS E-Mail Orders to VMRD E-Mail to Scott Adams at VMRD E-Mail Technical Services at VMRD For detailed information on MHC and CD monoclonal antibodies contact Dr. Bill Davis or Mary Hamilton at The WSU Monoclonal Antibody Center TABLE... FA Substrate Slides FA Conjugates (ready-to-use) BVD FA Graphic Antiviral Antisera Negative Control Sera Positive Control Sera Other Virology Products Monoclonal Antibodies Adult Bovine Serum 4. Other Infectious Disease Reagents:

Robert Wallis CV Images: 0 Links: 3

<http://inf21286.inf2.cwru.edu/cv.htm>

(Webcrawler: monoclonal) No rating

Assistant Professor: CWRU Department of Medicine, 1987-95 Associate Professor: CWRU Department of Medicine, 1995 Secondary appointment: International Health Honors/awards: NSF: National Science Foundation scholarship, Cornell University, Physics... Tumor necrosis factor is the major monocyte product that increases complement receptor expression on mature human neutrophils. Expression of tumor necrosis factor in vitro by human mononuclear phagocytes stimulated with whole M. tuberculosis BCG and mycobacterial antigens.

BMDC product list Images: 1 Links: 1

<http://www.halcyon.com/lori/bmdc.htm>

(Webcrawler: monoclonal) No rating

□ The WRF's Biological Materials Distribution Center (BMDC) sells biological materials, such as Chlamydia trachomatis and Chlamydia pneumoniae (TWAR), monoclonal antibodies, and antigens, for research purposes only. Description: Protein content this antigen is made for the microimmunofluorescence assay which does not necessitate the calculation of protein content as a measure of antigenic strength. Individual Serovars: A, B, Ba, C, D, E, F, G, H, I, J, K, L-1, L-2, L-3 Pooled Serovars: B group (B,E,D) C group (C,J,H,I) Intermediate group (G,F,K) Normal yolk sac Sold in 1ml vials:

Human antibody repertoires. Images: 1 □ Links: 13 □

http://www.kc.lth.se/immun/TEXTER/MO/Ab_rep.html

2 Retrieval failures (Webcrawler: monoclonal) No rating

□ Consequently, it is proposed that phage display technology selects for an antibody subpopulation which is promiscuous with respect to light chain usage. The variable region sequences of these antibodies are available from GenBank. Antibody reactivities specific for cytomegalovirus tegument proteins (pp65, pp28) Antibody reactivities specific for tetanus toxoid.

William Andrew McCrary Lawson Images: 0 Links: 0

<http://www.detente.com/will/bmt.html>

3 Retrieval failures (Webcrawler: monoclonal) No rating

□ The bone marrow contains a network of blood vessels and fibers surrounded by fat and by cells that give rise to white blood cells (WBC's), red blood cells (RBC's), and platelets. Most stem cells are found in the bone marrow, although some, called peripheral blood stem cells, circulate in blood vessels throughout the body. Among other functions, NK cells destroy cancer cells and virus-infected cells through phagocytosis and by producing substances that can kill such cells.

Ann rev. art Images: 0 Links: 0

<http://www.bioinfo.com/biotech/aabrev.html>

1 Retrieval failure (Webcrawler: recombinant) No rating

□ A growing number of articles involved clinical trials, with most of these articles reporting significant milestones, such as agents entering trials and results from clinical trials. A number of very encouraging developments were reported in 1994, with most of these involving positive results from clinical trials for herpesvirus (e.g., herpes simplex virus, cytomegalovirus, varicella-zoster virus) and hepatitis B and C virus... The best clinical trial results so far for any HIV-infection drug therapy were reported from two clinical trials testing 3TC from BioChem Pharma Inc. and Glaxo Holdings PLC in combination with AZT (Retrovir) from Burroughs Wellcome Co. The first...

<http://www.biol.tsukuba.ac.jp/%7Emacer/NBBV.html> Images: 0 Links: 9 □

<http://www.biol.tsukuba.ac.jp/%7Emacer/NBBV.html>

(Webcrawler: recombinant) No rating

□ A general review of bacterial vaccine design is TIBTECH 11 (1993), 506-10; and of new vaccine technologies, JAMA 271 (1994), 929-31. The results of malaria vaccine trials in Tanzania confirm that the Columbian vaccine appears to work; New Scientist (19 Feb, 1994), 7. A paper reporting the antigenic diversity of Plasmodium falciparum, which causes malaria, is Science 263 (1994),... Vaccine therapies are currently under trial against herpes, leprosy, leishmaniasis, tuberculosis, and hepatitis B. An International Society for vaccines has been founded in the US, Science 264 (1994), 1528.

Electron Micrograph Library Images: 0 Links: 72 □

<http://phage.bocklabs.wisc.edu/>

1 Retrieval failure (Webcrawler: DNA) No rating

□ Files may also be obtained by anonymous FTP from subdirectory EMPics at: phage.bocklabs.wisc.edu Copyright © 1994-1996: These images can be freely used for educational or research purposes, but are not in the public domain and are not to be used... The resulting intermediates have completed strand exchange up to the distal heterology,

resulting in circles with a long ssDNA tail and a short dsDNA tail (corresponding to the distal 375bp heterology). When such a reaction is followed by the addition of RuvAB proteins, the short dsDNA tail is apparently unwound to yield a single stranded tail as shown in 0002c.jpg or 0002d.jpg An exceptional type is shown in 0002e.jpg where an intermediate has been...

Bay Zoltán Institute for Biotechnology Images: 7 Links: 1

<http://alpha.bzlogi.hu/baybio/baybio.html>

3 Retrieval failures (Alta Vista: biotechnology) No rating

Scope of activity of the Institute: Molecular biotechnology: Applying gene manipulation techniques, deliberate changing of the genetic substance of microbial living beings.

Industrial biotechnology: Elaboration of technological procedures that through the application of fixed cellular bioreactors result in far better productivity than attained by traditional fermenting procedures. The biochemical and physiological changes in fish caused by the used dosage of these insecticides can be detected by biochemical investigations of the blood of treated fish.

Omicron Biomedical Inc Images: 13 Links: 11

<http://www.omicronbio.com/>

(Yahoo: biotechnology) No rating

KEYWORDS: isotopes, carbohydrates, monosaccharides, sugars, nucleosides, nuclear magnetic resonance, NMR, mass spectrometry, biochemistry, metabolism, tracers, imaging, organic synthesis, chemicals, pharmaceuticals, biochemicals, medicine, carbon-13,...

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Monoclonal Antibodies in Cardiovascular Disease Images: 2 Links: 3

<http://www.wwilkins.com/books/DATA/0-8212-1611-9.html>

(Lycos: monoclonal) No rating

Focus On... Rheumatoid Arthritis Images: 5 Links: 18

<http://pharminfo.com/pubs/msb/rheumart.html>

(Webcrawler: monoclonal) No rating

Related resource: Frequently Asked Questions About Arthritis Indication: Rheumatoid

Arthritis Drugs mentioned: Azulfidine (sulfasalazine) | Kabi Pharmacia Cuprimine

(penicillamine) | Merck Cytosan (cyclophosphamide) | Bristol-Myers Oncology Imuran...

Macrophages process the pathogenic material and present the antigen to lymphocytes, which respond by producing antibodies and cytotoxic chemicals (B cells produce antibodies, T cells produce cytokines that activate B cells and cytotoxins that attack... The use of corticosteroids has declined in recent years (they are toxic in the long term, and patients generally become refractory), whereas second-line agents are now used earlier in the course of the disease.

-
- Robert Wallis Research Page Images: 0 Links: 8

<http://inf21286.inf2.cwru.edu/res.htm>

(Webcrawler: monoclonal) No rating

PPD (purified protein derivative) from M. tuberculosis The material was grown in Proskauer-Beck medium in aerated, humidified roller bottles for 8 weeks. The cultures were autoclaved, bacilli removed by filtration, and proteins precipitated using 60% ammonium sulfate.

UVA Guidelines Images: 0 Links: 0

<http://www.med.virginia.edu/research/UVA-Guidelines.html>

(Lycos: recombinant) No rating

Recombinant DNA molecules are defined as molecules that are constructed outside living cells by joining natural or synthetic DNA segments to DNA molecules that can replicate in a living cell. Experiments involving recombinant DNA have been divided into four classes, with respect to the level of approval required: A. Specific RAC review, and approval by NIH

and IBC before initiation of the experiment; B. Approval by IBC before initiation...
Investigators performing experiments in this category must submit to the IBC, prior to initiation of the experiments, a registration document that contains a description of: (i) The source(s) of DNA; (ii) the nature of the inserted DNA sequences;...

About Biotechnology Images: 22 Links: 28

<http://weber.u.washington.edu/~radin/bio.htm>

(Lycos: biotechnology) No rating

However, there is a type of biotechnology, originating in the 1970's, that is dramatically different from all that went before because it involves the re-combination of genes from living things, in a laboratory. This research is controversial for many reasons: it threatens environmental health and safety, it violates the natural laws of evolution, it leads to massive invasions of medical privacy, and it trivializes the meaning of life. It also costs billions of dollars, heavily subsidized by taxpayers.

U of M: Online Pathology Handbook Images: 2 Links: 2

http://www.pds.med.umich.edu/refs/UMPathHandbook/Path_Lab_Handbook/MonoclonalXGammopathyEval.html

(Lycos: monoclonal) No rating

Rejection Criteria: Gross contamination of specimen, improper labeling, refrigeration of whole blood specimen containing macroglobulins, cold agglutinins, or cryoglobulins, more than one specimen submitted in 28 days. To identify and type monoclonal immunoglobulins for heavy and light chain specificity. Monoclonal gammopathy evaluation (MGE) is essential when clinical, hematologic, or pathologic findings indicate: multiple myeloma, Waldenstrom's, heavy chain disease, amyloidosis, or Ig deposition disease.

-
- Biosource Technologies, Inc. Images: 7 Links: 8

<http://www.biosource-bti.com/>

1 Retrieval failure (Yahoo: biotechnology) No rating

Biosource Technologies is an innovative health care and specialty products biotechnology company engaged in the development and commercialization of new pharmaceutical and therapeutic products. The centerpiece of the company's technology is its proprietary GENEWARE® expression system. This transient gene expression system enables normal-growing plants to produce high concentrations of complex biochemicals without the time and expense required when using transgenic systems.

Department of Bio-Medical Physics and Bio-Engineering Images: 3 Links: 12

<http://www.biomed.abdn.ac.uk/>

(Yahoo: bioengineering) No rating

Welcome to the Department of BioMedical Physics at Aberdeen University and Aberdeen Royal Hospitals, situated at Foresterhill, Aberdeen, in the North-East of Scotland! This page gives us a window for publicising some of the department's activities to the wider world, as well as providing a general information service within the department. and Diploma Courses Departmental contacts and telephone numbers Summer School The Physical Basis of MRI BioMedical Physics Information Recent Network announcements, postgraduate course work etc: Unix network PC network Information/Services Teaching...

Recombinant Inbred Genetic Maps Images: 1 Links: 9

http://cbil.humgen.upenn.edu/~atgc/genetic-mapping/gen_maps.html

1 Retrieval failure (Lycos: recombinant) No rating

ATGC Recombinant Inbred Map SDP data (expanded to 300 RI lines November 1, 1995) Lister/Dean Recombinant Inbred Map June 29, 1995 SDP data There are two recombinant inbred populations available in Arabidopsis Genetic maps constructed using the Col x... The other RI population is derived from a WS x W100 cross (Reiter al , 1992) CAPS marker information and Data Tables (Ausubel Lab) ATGC

***** Molecular Innovations Inc. ***** Images: 2 Links: 7

<http://www.mol-innov.com/>

1 Retrieval failure (Webcrawler: recombinant) No rating

1026 East Eleven Mile Road Royal Oak, MI 48067 USA Tel: (810) 546-1439 Fax: (810) 398-1176 Molecular Innovations which began in 1992, serves researchers engaged in the study of blood coagulation and fibrinolysis in industry and academia. Your comments and suggestions are welcomed Human r-PAI-1 Constitutively active human r-PAI-1 Murine r-PAI-1 Rat r-PAI-1 Human Vitronectin Price List Sign-up for the Electronic Mailing List HTML Documents, Pages, and CGI Scripts Copyright 1995, 1996,...

SeqWright DNA Sequencing Images: 15 Links: 41

<http://www.blkbox.com/~seq/>

1 Retrieval failure (Yahoo: DNA) No rating

SeqWright offers you access to the latest in DNA sequencing technology without the up front investment in instrumentation and personnel. Small Projects Sending your small sequencing projects to SeqWright is a cost effective alternative to bench top procedures. If you don't routinely do DNA sequencing, submitting your samples to the SeqWright DNA sequencing specialists can result in a tremendous savings in time and money.

Invitrogen Images: 3 Links: 11

<http://www.invitrogen.com/>

(Yahoo: DNA) No rating

The Center for Molecular Biotechnology Images: 2 Links: 6

<http://chroma.mbt.washington.edu/cmb.knowledge.html>

(Alta Vista: biotechnology) No rating

Revised: April 26, 1996

Bio Online: Biotechnology: Events Calendar Images: 1 Links: 83

http://www.bio.com/news/events/events_1.html

2 Retrieval failures (Alta Vista: biotechnology) No rating

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BioSpace Images: 4 Links: 21

<http://www.biospace.com>

1 Retrieval failure (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

Synergistic Designs has developed this versatile touchstone site to help foster a global community of shared interests within the bioscience industry. New Exhibitors in BioSpace We are proud to welcome the following new companies and organizations to BioSpace: Bristol-Myers Squibb is a diversified worldwide health and personal care company whose principal businesses are pharmaceuticals, consumer... Canji, Inc. is a leading biotechnology company in the forefront of developing innovative cancer therapeutics based on tumor suppressor genes and other cell-cycle regulators.

U.S. Patent Office Images: 3 Links: 15

<http://www.uspto.gov>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

Welcome Information for Newcomers to Patents and Trademarks What's New Points of Contact with the World of Patents and Trademarks; USPTO Services Available US and International Legal Materials Search Systems and Sources of Technical Information Other... www.uspto.gov Last Modified: 19 April 1996

UCD Bioengineering Research Centre Images: 3 Links: 11

<http://www-brc.ucd.ie/index.html>

1 Retrieval failure (Webcrawler: bioengineering) No rating

The Bioengineering Research Centre is a collaborative research venture between

academics and researchers at University College Dublin and University of Dublin, Trinity College In 1994, together with surgeons from hospitals around Ireland, and... A list of personnel involved with the BRC Research projects in the BRC at UCD Photographs of osteoclast activity Other bioengineering links WWW index and searching sites About this server Maintained by Dr Alun J. Carr (ajcarr@ccvax.ucd.ie) Last updated Sunday, April 21, 1996 at 9:42 pm

Other Bioengineering Sites Images: 1 Links: 13

<http://www-brc.ucd.ie/bioeng-sites.html>

(Webcrawler: bioengineering) **No rating**

Survey for WWW management requirements Maintained by Dr Alun J. Carr (ajcarr@ccvax.ucd.ie) Last updated Sunday, April 21, 1996 at 9:42 pm

Biotech Law home page Images: 22 Links: 16

<http://biotechlaw.ari.net/>

(Lycos: biotechnology) **No rating**

A LEGAL BRIEFS section offers updates on developments in administrative and judicial law, the IP LIBRARY contains copies of decisions and commentaries on IP licensing, new case law and legislation and the CYBERLAW CORNER contains articles how the use... THERAPEUTICS PAGE This section focuses on therapeutic inventions, offering links to pharmacy-related resources, commentaries on new case law relevant to therapeutic inventions, and articles on the USPTO's utility guidelines EUROPEAN IP LAW PAGE On April 23, 1996, the U.S. Supreme Court considered whether the interpretation of a patent claim is a matter of law reserved entirely for the court, or subject to a Seventh Amendment guarantee that a jury will determine the meaning of any disputed...

-
- Contents Page Images: 4 Links: 48

<http://nasc.nott.ac.uk/contents.html>

2 Retrieval failures (Webcrawler: recombinant) No rating

This is the complete and most up-to-date list of all NASC's 8,000+ lines and includes links to over 600 images.

GENSET Images: 5 Links: 21

<http://www.genset.fr/>

1 Retrieval failure (Yahoo: DNA) No rating

GENSET proposes a Universal DNA RNA synthesis service: MASS OLIGOS to serve large genome end-users, a wide range of GUARANTEED OLIGOS (standard, purified, fluos, biotin, S-oligos) and pharmaceutical grade BULK OLIGOS Ordering Information E-mail... GENSET Company Information GENSET Company Information available on this server includes: company profile, offices, exhibit calendar, and press releases in English or in French Home Products Orders Inquiry Company Index Search Comments about this... All contents Copyright GENSET 1996

PanVera Images: 10 Links: 13

<http://www.panvera.com/>

1 Retrieval failure (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

My LIBRALY Images: 4 Links: 14

<http://celsp10.riken.go.jp/~amada/lib.html>

(Alta Vista: DNA) **No rating**

Rice University ECE Bioengineering Page Images: 10 Links: 13

<http://www-ece.rice.edu/bioeng/>

(Lycos: bioengineering) **No rating**

About the ECE Bioengineering Group Research Projects Faculty and Students Publications and Presentations Other Biosciences and Bioengineering Groups around

Houston Other resources around the WWW Houston Society for Engineering in Medicine and Biology...

Human Genome Center Images: 13 Links: 16

<http://www-hgc.lbl.gov/GenomeHome.html>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

Using the directed sequencing strategy pioneered at LBNL, we have sequenced 3.5 megabases of *Drosophila Melanogaster* sequence (in collaboration with the Berkeley *Drosophila* Genome Project) and 1.5 megabases of human 5q31 as of March, 1996. Web page by Nomi Harris (Wed Apr 17 16:35:59 1996)

Contents Page Images: 4 Links: 48

<http://nasc.life.nott.ac.uk/contents.html>

2 Retrieval failures (Webcrawler: DNA) No rating

This is the complete and most up-to-date list of all NASC's 8,000+ lines and includes links to over 600 images.

No Title Images: 1 Links: 8

http://euler.berkeley.edu/me/research_groups.html

1 Retrieval failure (Alta Vista: bioengineering) No rating

VTT Biotechnology Images: 10 Links: 4

<http://www.vtt.fi/bel/bio/bio.htm>

1 Retrieval failure (Lycos: biotechnology) No rating

Biotechnology is one of the five research areas of VTT Biotechnology and Food Research. Fax: +358 0 455 2028 Back to VTT Biotechnology and Food Research Updated January 19, 1996 by Robert Aarts

-
- Bioengineering Program at Penn State Images: 15 Links: 13

<http://bioeng.psu.edu/>

2 Retrieval failures (Lycos: bioengineering) No rating

APSTRACTS 2:0225L, 1995. Images: 0 Links: 0

<http://www.uth.tmc.edu/apstracts/1995/lung/December/225l.html>

(Alta Vista: monoclonal) No rating

Endothelial cells internalize monoclonal antibody to angiotensin converting enzyme. We investigated the fate of Mab 9B9, a monoclonal antibody to angiotensin-converting enzyme (ACE), which binds to endothelium both in vitro and in vivo. When 125I-Mab 9B9 was bound to HUVEC at 37°C, only 40% of cell-associated radioactivity was acid elutable, suggesting antibody internalization.

LTP in CA1 and CA3 Images: 3 Links: 1

<http://www-hbp.usc.edu:8376/%7Egellerma/ltpca1ca3.html>

3 Retrieval failures (Webcrawler: recombinant) No rating

This paper discusses the two types of LTP demonstrated in the hippocampus, the receptors involved, and the regulation of these receptors by phosphorylation. When expressed alone, NR2 subunits are not functional; however, when co-expressed with NR1 subunits, NMDA-induced responses are enhanced and closely mimic native NMDA receptors, suggesting that NR2 subunits are modulatory (ibid), and may change the... In addition, PKC has been demonstrated to alter NMDA induced currents via activation of other neurotransmitter receptors, including opioid receptors, metabotropic glutamate receptors, and muscarinic acetylcholine receptors (reviewed in Ben-Ari al,...

Cornell Bioengineering Society Images: 11 Links: 16

<http://www.englilb.cornell.edu/coe/cbs/default.html>

(Webcrawler: bioengineering) No rating

DNA GAMES. Images: 6 Links: 6

<http://www.dnagames.com/>

(Webcrawler: DNA) No rating

The DNA Card Game Roman's Notes on DNA Genetic Code Coffee Mug Genetic Code T-Shirt As you know, these days you can't open a newspaper or turn on a TV set without hearing about DNA and the strong impact it is having on society in the areas of... This is because the ability of modern science to manipulate the Genetic Code in a very precise way has thrust us into the DNA AGE ! DNA Technology presents society with a double-edged sword.

- Temasek Polytechnic Biotechnology Homepage Images: 17 Links: 13

<http://www.tp.ac.sg/biotech/biotech.htm>

1 Retrieval failure (Webcrawler: biotechnology) No rating

Welcome to the School of Information and Applied Science's Biotechnology Web Page at Temasek Polytechnic, Singapore. This page was created for anyone who is interested in biotechnology. You can gain access to many useful links that provide information on the following topics:

Biotechnology (HUM-MOLGEN) Images: 3 Links: 9

<http://www.informatik.uni-rostock.de/HUM-MOLGEN/biotech/biot.html>

(Webcrawler: biotechnology) No rating

New Product TOP TEN Be up to date on new products. Biotechnology Companies Look up for information, address, toll free number, phone and fax number and E-Mail address of important companies. Preview of Biotechnology related Journals.

LLNL Biology and Biotechnology Research Program - Homepage Images: 13 Links: 14

<http://www-bio.llnl.gov/bbrp/bbrp.homepage.html>

(Webcrawler: biotechnology) No rating

Select (by clicking on the highlighted text) the Program Director's Overview Statement page to learn more about the mission and philosophy of the LLNL Biology and Biotechnology Research Program. An overview of the program's research guides you to pages on specific research areas and centers Program Director's Overview Statement Research in Progress Program Accomplishments and Research Highlights Work for Others Biology and Biotechnology.

BIOTECHNOLOGY CENTER-EDUCATION Images: 3 Links: 6

<http://www.usu.edu/%7Ebiotech/educ31a.html>

(Webcrawler: biotechnology) No rating

Four new courses (Basic Principles, Molecular Cloning, Mammalian Cell Culture and Protein Purification) taught by the Biotechnology Center were introduced last year. They are the Methods in Biotechnology series and consist of one undergraduate course and three listed at the 500 level. The courses were well received, although this year the Basic Principles course did not receive enough registrants to be held.

Bioengineering at Wayne State University Images: 7 Links: 7

<http://tbb.eng.wayne.edu/>

(Webcrawler: bioengineering) No rating

The Bioengineering Center of Wayne State University is a leading laboratory doing research work in the areas of impact trauma, low back pain and orthopedic biomechanics. Our work in low back pain looks for causes of back pain and utilizes methods in neurophysiology to determine the source of pain in intervertebral joints. In orthopedic biomechanics, we are working on the causes of hip and vertebral fracture among the elderly, properties of bone as measured by acoustic microscopy and transmission ultrasound, and computer-aided insertion of pedicle screws.

Graduate studies in Nanoscale Science and Technology Images: 0 Links: 18

<http://cnst.rice.edu/study.html>

1 Retrieval failure (Webcrawler: bioengineering) No rating

For those interested in pursuing graduate studies in Nanoscale science and/or technology: There does not yet exist a degree program at Rice in nanoscale science and technology, although a Ph.D program similar to that in Applied Physics is being investigated. However, if you are considering graduate school, and are interested in "nano", then we strongly encourage you to apply to one of the established degree programs listed below.

[AFAP \(actin filament-associated protein\) monoclonal](#) Images: 4 Links: 34

<http://translab.com/TLNewProds.html>

1 Retrieval failure (Lycos: monoclonal) No rating

A 27.2kDa protein fragment corresponding to amino acids 180 427 of human AKAP79 was used as an immunogen. A 20kDa protein fragment corresponding to amino acids 22 201 of mouse R-cadherin was used as an immunogen. A peptide corresponding to amino acids 3 24 of rat Caveolin 3 was used as an immunogen.

[IMS Global Services: DRUG news 2](#) Images: 2 Links: 4

<http://www.ims-global.com/imshot2.html>

5 Retrieval failures (Webcrawler: monoclonal) No rating

get your FREE Sample Copy THALIDOMIDE as a Cancer Therapy Thalidomide (NCI 66847, SYNOVIR) is being evaluated in preliminary phase I/II clinical trials as an antiangiogenic agent for use in the treatment of cancer. The US National Cancer Institute (NCI) is enrolling a small number of patients with breast and prostate cancers and Kaposi's sarcoma to study the antiangiogenic properties of thalidomide. The trial will be extended to include primary brain cancer.

http://dna1.chem.uoknor.edu/protocol_index.html Images: 0 Links: 55

http://dna1.chem.uoknor.edu/protocol_index.html

(Webcrawler: DNA) No rating

The manual has been written in a protocol format, with little theoretical discussion. Cold Spring Harbor Laboratory Press, NY, Vol. 1, 2, 3 (1989). IRL Press, Oxford, 1985.

[Pharminfo](#) Images: 1 Links: 0

<http://pharminfo.com/pubs/transgen/ebna.html>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

Recombinant DNA technology offers a method to produce highly specific antigens for use in immunoassays, including enzyme-linked immunosorbent assay (ELISA). This is an example of how recombinant antigens are an important advance in the development of immunoassays for infectious diseases and other routine clinical laboratory tests. The fundamental difference between synthetic peptide and recombinant technology is that in the production of recombinant antigens the complex conversion of genetic information into polypeptide sequences is performed by living systems rather than by a...

[Networking the Biotechnology Revolution](#) Images: 27 Links: 82

<http://ba-itumac1.lib.unimelb.edu.au/ABA/zBiotechIntro/BiotechRev.html>

1 Retrieval failure (Alta Vista: biotechnology) No rating

It is no accident that biotechnology has been leading the way in the development of international databases and other on-line information services. databases, software); virtual libraries (links to relevant services everywhere) and special services (e.g. In Australia, the majority of access to the "information superhighway" is via Telstra Internet Until recently its users were mostly academic and government researchers.

[Biomedical Applications of Amplifiable Recombinant RNAs](#) Images: 0 Links: 3

<http://www.med.nyu.edu/Research/F.Kramer-res.html>

1 Retrieval failure (Alta Vista: recombinant) No rating

Most recently, we have been developing sensitive assays to screen donated blood and transplantable tissues to prevent the spread of AIDS and T-lymphotrophic leukemia. The reporter molecules are then amplified as much as a billion- fold by incubation with Q β

replicase, enabling their easy detection. As little as a single HIV-1 infected cell can be seen in a sample containing a million uninfected cells.

No Title Images: 1 Links: 2

<http://www.life.uiuc.edu/biophysics/faculty/jakobsson.html>

(Alta Vista: bioengineering) No rating

HTI Bio-Products, Inc Images: 12 Links: 12

<http://www.htibio.com/>

(Yahoo: monoclonal) No rating

A HTI BIO-PRODUCTS antibody antibodies polyclonal antisera antiserum custom antiser*. * monoclonal ascites hybridoma preclinical HTI's focus is on customer satisfaction. This allows you to concentrate on other details knowing that the HTI commitment to excellence will provide you with the best partner you can find for antiserum or antibody development and production.

Qualitative and Quantitative Analysis of Monoclonal Antibodies by One-Step Cap Images: 5

Links: 7

<http://www.beckman.com/articles/a1769/a1769.htm>

1 Retrieval failure (Lycos: monoclonal) No rating

Isoelectric focusing (IEF) is one of the assays suggested, by the FDA's Points to Consider In the Manufacture and Testing of Monoclonal Antibodies for Human Use, for the analysis of final bulk lots of monoclonal antibodies. The method is rapid (analysis times of about 10 minutes), accurate (calculated isoelectric points of standard proteins were 98-104% of reported values), precise (migration time relative standard deviations of $\leq 0.5\%$), requires little methods... It offers advantages including rapid analysis (often less than 10 min), ease of automation, direct detection by UV absorbance, quantitative capability, and direct transfer of data to a computerized data station.

Cambridge Scientific Images: 2 Links: 15

<http://www.camsci.com/>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

CS products enable chemists to communicate in the 'language' of chemistry: chemical structures and models. CS Catalyst, CS' publication for chemists with computers, is now ONLINE! What's New Recent Changes at this WWW Site ChemFinder Server Chemical Database searching via the WWW CS Products Information on ChemOffice, ChemDraw & More Technical Support Answers to Frequently Asked Questions CS Services Including Site Licenses...

Eli Lilly Images: 5 Links: 19

<http://www.lilly.com>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

Eli Lilly and Company is a global research-based pharmaceutical corporation headquartered in Indianapolis, Indiana, that is working to create and deliver superior health care solutions that provide customers worldwide with optimal clinical and... Lilly is pursuing these superior solutions by combining pharmaceutical innovation, the best of existing pharmaceutical technology, disease-prevention and management expertise, and information technologies. You are invited to learn more about our company through these pages: who we are targeted disease categories message from our chairman strategic focus financial information press releases speeches reports career opportunities contact information...

Info about BioGlobe Images: 2 Links: 39

<http://www.sosei.com/about.html>

(Webcrawler: biotechnology) No rating

Emerging and established biotechnology companies in the US and Europe have identified Japanese companies as potential commercial partners and visit Japan regularly to develop relationships that hopefully lead to technology-related partnerships,... To facilitate

development of these relationships, several organizations and consulting groups have organized partnering conferences to bring biotechnology closer to interested Japanese companies in the hope that discussions will lead to partnering... * Western companies are more and more proactive in obtaining Japan/SEA rights in their biotechnology deals and are willing to provide the same financial terms as Japanese companies as part of a worldwide agreement.

Baton Rouge Area Molecular Biology and Biotechnology... Images: 10 Links: 13
<http://phycol.ored.lsu.edu/brambba/brambba.html>

(Webcrawler: biotechnology) No rating

In the Spring of 1995, scientists from Southern University, the Pennington Biomedical Research Center, the LSU Agricultural Center, and LSU A&M University formed a Steering Committee chaired by Dr. Russell L. Chapman, Associate Vice-Chancellor,... Click below for : Steering Committee's activities and objectives Anyone interested in receiving additional information can contact : Dr. Russell L. Chapman

Plant Biotechnology Institute Images: 11 Links: 51

<http://www.pbi.nrc.ca/pbiintro.html>

(Webcrawler: biotechnology) No rating

PBI's Research Program Genes and gene products: Growth regulation Gene expression Promoter technology Seed oil modification Transgenic Plants Brassica biotechnology Cereal biotechnology Conifer biotechnology Legume biotechnology Transgenic plant... General Inquires: Contacts: The WEB SERVER: Comments or Suggestions: Under Construction: Other WEB SERVERS: Canola plant DNA strand PBI's mission is to promote, assist and undertake research and development in plant biotechnology to derive economic,... In partnership with industry, university and public sector groups, the Institute: Advances research frontiers in key areas of plant biotechnology; Undertakes innovative research aimed to produce proprietary genes, gene regulators and useful...

MedWeb: Electronic Newsletters and Journals Images: 1 Links: 232

<http://www.emory.edu/WHSC/medweb.ejs.html>

1 Retrieval failure (Webcrawler: biotechnology) No rating

Ejournal SiteGuide: a MetaSource maintained by Joseph Jones. Maintained by Michael Jacobson. Antiviral agents bulletin (selected articles).

August 1996: 10th International Biotechnology Conference/... Images: 3 Links: 9

<http://www.uicc.ch/calendars/items/uicc-cancer-calendar140.html>

(Webcrawler: biotechnology) No rating

identifies a meeting under the auspices of the UICC [UICC Home-Page | International Cancer Calendar | Search the Calendar | Feedback | Advertising] Copyright International Union Against Cancer

Brochure for the Dept. of Neurobiology at the Univ. of... Images: 0 Links: 0

<http://quadra900.neurobio.pitt.edu/NeuroBroch.html>

3 Retrieval failures (Webcrawler: monoclonal) No rating

These studies use surgical manipulation of embryonic tissues, in conjunction with injection of antibodies and biologically active proteins, to study axonal growth and the role of neurotrophin-3. Training opportunities include embryonic surgery, tissue culture, techniques for visualization of specific proteins and mRNA, labeling and tracing nerve projections, and electrophysiology. In adults, studies examine the reorganization of central connections to compensate for the disorder resulting from peripheral nerve injury and subsequent regeneration.

Antiviral Agents Bulletin, Oct. 1995, Intl. Patents Section Images: 0 Links: 0

<http://www.bioinfo.com/biotech/aabnov95intpats.html>

(Webcrawler: recombinant) No rating

These polyclonal antibody libraries can be used to treat or prevent diseases and disorders including neoplasia such as cancer and other malignancies, parasitic infections, bacterial infections, viral infections and disorders such as genetic defects... Such expression systems

provide high yields of HCV proteins extracellularly, and enable the development of diagnostic, vaccine and therapeutic reagents which contain glycosylated structural antigens and also allow for the isolation of the HCV... No.: WO 9521243 Inventors: Smit, V.; Huppes, W. Abstract: Laboratory animals transplanted with cells, are used to produce immunological products and or cells, preferably antibodies, lymphocytes, macrophages, antibody producing cells, cytotoxic.

Molecular Virology - Abstracts Images: 5 Links: 4

<http://www.pen.gulbenkian.pt/v2/abstracts.html>

(Webcrawler: DNA) No rating

In contrast to uninfected cell ss-DNase, which has a pH optimum at pH range 8.5-9, virus-induced ss-DNase is most active at pH 7. Differences in sensitivity to several ions and other modifications of the reaction mixture and considerable difference... [35S]Methionine-labeled proteins from total or cytoplasmic extracts of Vero cells infected with African swine fever virus were chromatographed on native and denatured DNA-cellulose and DNA-binding proteins were analyzed by SDS-polyacrylamide gel... A cell-free system for the study of transcription of African swine fever virus (ASFV) mRNA was developed from cytoplasmic extracts of infected cells permeabilized with Iysolecithin.

TopoGEN, Inc. Images: 2 Links: 1

<http://www.topogen.com/main.html>

(Webcrawler: DNA) No rating

Orders: Toll free (800) 867-6436 (USA only) (800) TopoGEN Fax Numbers (USA): (800) 233-8676 (800) Add-Topo International Telephone: (614) 451-5810 International Fax Line: (614) 451-5811 Need to Place an Order After Hours? The new Non-Enzymatic DNA Isolator Kit allows one to isolate DNA from almost any cell source without losing stably attached proteins (topoisomerase complexes, UV cross linked proteins or nuclear matrix/scaffold attached proteins). The kit has what you need to recover protein/DNA complexes directly from the cell...including a control to demonstrate that proteins are bound to genomic DNA!

<http://www.glenres.com/Background.html> Images: 9 Links: 6

<http://www.glenres.com/Background.html>

(Webcrawler: DNA) No rating

At the same time, we foresaw a need to provide products for routine oligonucleotide synthesis backed with quality specifications, analytical techniques and certification at the highest level. The analytical techniques and quality criteria used for the evaluation and acceptance of these reagents were to become an industry standard many years later. Sterling grade is the level to which all other suppliers must aspire and which will lead the way to the development of oligonucleotide therapeutics.

Chromosome 12 Genes in Cancer Images: 0 Links: 0

<http://paella.med.yale.edu/chr12/CABSTR2.html>

(Webcrawler: DNA) No rating

Chromosomal translocations involving fusion of the Ewings Sarcoma oncogene (EWS) to different transcription factor genes, are involved in the genesis of distinct human tumors. The observed combinations of genes involved in these translocations, BCR-ABL in CML, TEL-ABL in Philadelphia-negative CML and TEL-PDGFR in CMML suggest that these diseases could represent different steps in a continuous leukemogenesis pathway. The chromosomal location and type of change, (deletion or translocation), may indicate the genes involved and the mechanism of gene activation (loss of an anti-oncogene or creation of an aberrant fusion product).

3D Graphics, Biomedicine Biomedical Engineering Bioengineering & Cognition And

Images: 6 Links: 1

<http://aspin.asu.edu/provider/LSRL/andreas/andrea hp.htm>

(Alta Vista: bioengineering) No rating

Bioengineering: The science where engineering technologies and medicine joint together in a very powerfull combination. 3D: Computerised graphic images, simulations or

animation which have added a new dimension in human persepation Welcome to my "space". Let me introduce my self first, my name is Andreas Ahha and I am a student at Arizona State University studing Biomedical Engineering.

BIOENGINEERING DEPT BROCHURE Images: 0 Links: 20
<http://www.cc.utah.edu/~pd6012/BROCHHTML.HTM>

(Alta Vista: bioengineering) No rating

Graduate students in the program master a core curriculum, take advanced courses in specialized areas, participate in seminars, and conduct research in areas of faculty expertise. M.E. candidates must (a) complete at least 45 graduate level credit hours, of which 40 hours must be course work, (b) complete and write a report on a research project while registered for at least 5 research credit hours, and (c) give a public oral... M.S. candidates must (a) complete at least 45 graduate level credit hours, of which at least 32 hours must be course work, (b) complete a master's thesis while registered for at least 10 credit hours of thesis research, and (c) give a public defense...

NFSD: Biotechnology and Food Images: 3 Links: 2
<http://www.gen.ufl.edu/~foodsaf/wi004a.html>

(Lycos: biotechnology) No rating

Artificial insemination Better characterize the milk-producing potential of dairy heifers Produce many calves from one embryo cloning Increase milk production Produce vaccines to protect animals against disease, including swine pseudorabies Produce... News coverage of the movement to legalize yellow margarine emphasizes that the issue was impact on the health of the dairy industry not of consumers. Instead of increasing production, research is now expected to increase sustainable profitability as part of rural economic development, which may favor large or well-managed farms at the expense of small farms.

The Antibody Resource Page Images: 1 Links: 100
<http://www-chem.ucsd.edu/Faculty/goodman/antibody.html/abpage.html>

(Webcrawler: monoclonal) No rating

Antiphospholipid antibodies and systemic lupus erythematosus Class lecture on immunology an outline with pictures UF-ICBR Flow Cytometry Core Lab Home Page a resource for immunofluorescence protocols and links to flow cytometry-related websites The... Essays in virology viral interaction with the immune system Affinity purification of polyclonal antibodies Peter's personal protocol On anti-phospholipid antibody syndrome a topic page How monoclonal antibodies are made a one-page, pictorial... Cell Histocompatibility and Immunogenetics The Journal of Biological Chemistry The Journal of Immunology Nature Protein Science Science Here is an article by me, actually an amended version of my dissertation chapter:

NIHGPS - Recombinant DNA Images: 1 Links: 2
<http://adam.cc.sunysb.edu/research/policies/nihrdna.html>

(Lycos: recombinant) No rating

Requirements for the composition of such a committee are given in Section IV of Guidelines for Research Involving Recombinant DNA Molecules (49 FR 46266 or latest revision),6 which also discusses the roles and responsibilities of principal... A roster of the members of the Institutional Biosafety Committee must be submitted to the Office of Recombinant DNA Activities (see address below). The committee is required to review each proposed nonexempt project for recombinant DNA experiments and certify that it has found the procedures, project, personnel, and facilities adequate and in compliance with NIH Guidelines.

Recombinant Antigens in Clinical Diagnosis Images: 1 Links: 0
<http://www.pharminfo.com/pubs/transgen/ebna.html>

(Lycos: recombinant) No rating

Recombinant DNA technology offers a method to produce highly specific antigens for use in immunoassays, including enzyme-linked immunosorbent assay (ELISA). This is an example of how recombinant antigens are an important advance in the development of

immunoassays for infectious diseases and other routine clinical laboratory tests. The fundamental difference between synthetic peptide and recombinant technology is that in the production of recombinant antigens the complex conversion of genetic information into polypeptide sequences is performed by living systems rather than by a...

22nd National CLAS Meeting Images: 1 Links: 13

<http://www.rust.net/%7Eclas/meeting.html>

(Webcrawler: DNA) No rating

Many of these papers are related to (1) monoclonal antibodies for in-vitro applications including immunoassays, (2) immunodiagnosis of cancer, and (3) development of new tumor markers, such as CA 125. In the early 1980's, Dr. Bast played a key leadership role in the discovery of the CA 125 monoclonal antibody, development of the assay and application of the CA 125 test to the diagnosis and clinical management of ovarian cancer. He is particularly esteemed for his contributions in the area of cancer biochemistry and in the isolation, characterization, and analysis of tumor markers and their diagnostic application to management of disease and clinical diagnosis.

Chromosome 22 mapping paper Images: 4 Links: 26

<http://cbil.humgen.upenn.edu/%7Ecbell/paper.html>

(Webcrawler: DNA) No rating

These ordered YAC contigs will be useful for identifying disease genes and chromosomal breakpoints by positional cloning and will provide the foundation for higher resolution physical maps for large scale sequencing of the chromosome. These markers were used to identify YACs (28) in three libraries: the CEPH/Genethon YAC libraries (29,30), a chromosome 22-only hybrid cell line derived YAC library, and the Washington University YAC library (31). Since the chromosome 22 reference hybrids represent a subset of the panel utilized for binning markers described in this manuscript, the data presented here can be easily assessed by other groups in order to position markers which they have mapped...

-
- Monoclonal Antibody Technology: The Production and Characterization of Rodent Images:

0 Links: 1

<http://www.elsevier.nl/catalogue/SA1/145/05350/05350/502754/502754.html>

3 Retrieval failures (Lycos: monoclonal) No rating

This document is probably moved to this location: </locate/502754>

TopoGEN, Inc. Images: 1 Links: 2

<http://www.topogen.com/>

(Webcrawler: monoclonal) No rating

Keywords: Reagents Topoisomerase research Mechanism-based drug development Transcription factors DNA binding proteins Genomic DNA Phenol Proteases Non-Enzymatic DNA UV cross linked proteins nuclear matrix/scaffold attached proteins Enzymes Assay Kits... Purified C-terminal Scleroderma antibody Kinetoplast DNA Linear KDNA Decatenated KDNA pRYG DNA Camptothecin Doxorubicin Daunomycin Etoposide m-AMSA Genistein Ellipticine

IL-3, Human, Recombinant Images: 2 Links: 12

<http://www.promega.com/tbs/tb146/tb146.html>

(Lycos: recombinant) No rating

Add 50µl of the Human Recombinant IL-3 diluted in complete medium to column 12 in quadruplicate and perform 50µl serial dilutions across the plate to column 2. For Human Recombinant IL-3, the final concentration range should be 320ng/ml to... Add 50µl of the cell suspension (containing 5,000 cells) to each well of the 96 well plate and return the plate to the incubator for 48 hours. Incubate the plate for 4 hours at 37°C, 5% CO₂ in a humidified atmosphere.

GM-CSF, Human, Recombinant Images: 2 Links: 12

<http://www.promega.com/tbs/tb148/tb148.html>

(Lycos: recombinant) No rating

Add 50µl of the Human Recombinant GM-CSF diluted in complete medium to column 12 in quadruplicate and perform 50µl serial dilutions across the plate to column 2. For Human Recombinant GM-CSF, the final concentration range should be 5ng/ml... Add 50µl of the cell suspension (containing 5,000 cells) to each well of the 96 well plate and return the plate to the incubator for 48 hours. For safe handling, we recommend that the Solubilization/Stop Solution be dispensed in a fume hood and, upon completion of the assay, the contents of the plate be disposed of into organic waste.

Joslin Diabetes Center DNA Core Facility Images: 2 Links: 21

<http://core1.joslab.harvard.edu/core/default.html>

1 Retrieval failure (Webcrawler: DNA) No rating

HOME PAGE Automated DNA Sequencing Commonly used primers. Sequencing chemistry, template preparation and primer design.

DNA Sequencing Images: 2 Links: 11

<http://core1.joslab.harvard.edu/core/DNAseq.html>

(Webcrawler: DNA) No rating

This instrument uses a laser to excite fluorescently labeled DNA fragments as they pass the laser window moving down a 4.75% polyacrylamide gel. The final output is a color profile or a chromatogram which displays peaks and corresponding base calls. If you need DNA Sequencing Consultation, please contact consulting@core1.joslab.harvard.edu The Core Facility will supply all materials for sequencing reactions, users just have to supply DNA and primers.

Genetic Engineering Outline Images: 0 Links: 4

<http://kadets.d20.co.edu/%7Elundberg/geoutline.html>

1 Retrieval failure (Webcrawler: DNA) No rating

Ethics a. How to recognize an ethical situation b. How to analyze ethical situations

Monoclonal Antibody and Immunosensor Technology Images: 0 Links: 1

<http://www.elsevier.nl/catalogue/SA1/145/05350/05350/523085/523085.html>

3 Retrieval failures (Lycos: monoclonal) No rating

This document is probably moved to this location: [/locate/523085](#)

Interleukin 10, Human, Recombinant Images: 3 Links: 15

<http://www.promega.com/tbs/tb167/tb167.html>

(Lycos: recombinant) No rating

This factor was initially described as cytokine synthesis inhibition factor (CSIF), due to its ability to inhibit cytokine synthesis (including that of IFN-gamma, IL-2 and TNF-beta) by TH1 cells activated in an accessory cell-dependent manner. Moreover, IL-10 inhibits macrophage production of IL-12, a recently described cytokine that induces the differentiation of TH1 helper T cells (3). In addition, IL-10 stimulates the proliferation of mast cells, CD8+ T cell precursors and T cells activated with IL-2 and IL-4.

IL-4, Human, Recombinant Images: 2 Links: 12

<http://www.promega.com/tbs/tb147/tb147.html>

(Lycos: recombinant) No rating

Human Recombinant Interleukin-4 (IL-4) is a potent lymphoid cell growth factor which stimulates the growth and survivability of certain B cells and T cells. The biological effects include B cell expression of MHC Class II molecules and immunoglobulins, and growth of T cells and mast cells. Add 50µl of the Human Recombinant IL-4 diluted in complete medium to column 12 in quadruplicate and perform 50µl serial dilutions across the plate to column 2. For Human Recombinant IL-4, the final concentration range should be 40ng/ml to...

IL-1-Alpha, Human, Recombinant Images: 2 Links: 12

<http://www.promega.com/tbs/TB143/tb143.html>

(Lycos: recombinant) No rating

Human Recombinant IL-1-alpha exhibits an ED50 value below 0.05ng/ml when measured

with the CellTiter 96™ Non-Radioactive Cell Proliferation Assay using the C3H/HeJ mouse primary thymocyte bioassay. (ED50 = the concentration of growth factor... Add 50µl of the cell suspension (containing 10⁵ cells) to each well of the 96 well plate and return the plate to the incubator for 72 hours. Use of a reference wavelength is optional; however, if your ELISA plate reader has the ability to record dual wavelength values, a reference wavelength of 630nm can be subtracted from the 570nm absorbance values to adjust for nonspecific absorbance...

DNA manipulation, filling in of 5' overhangs, description Keywords: Zappe; fill Images: 9
Links: 37

<http://medix.mmi.uct.ac.za/bbhelp/dna2.html>

1 Retrieval failure (Lycos: DNA) No rating

This is a partially completed html page in a set of molecular biology techniques, recipes and protocols pages. The pages have been assembled by Brendan Babb at the department of Medical Microbiology, University of Cape Town DNA manipulation, filling in of 5' overhangs, description Keywords: Zappe; fill-in; DNA; klenow; overhangs DNA: Filling-in 3'-recessed... DNA manipulation, filling in of 5' overhangs, protocol Keywords: Zappe; fill-in; DNA; klenow; overhangs DNA: Filling-in 3'-recessed ends of DNA

DNA recovery by direct band elution Keywords: DNA; recovery; electrophoresis; Images: 17
Links: 66

<http://medix.mmi.uct.ac.za/bbhelp/dna4.html>

2 Retrieval failures (Lycos: DNA) No rating

They use the principle that DNA binds to chemically modified powdered glass under certain buffer conditions and can be eluted by a salt concentration change. Bal31 is a exonuclease that chomps in both directions, The idea is to shorten your insert and vector, then cut out the shortened fragment and clone it. Sets of deletions from both sides are generated by separate digestion of EcoRI and HindIII cut plasmid with BAL-31 and then cutting with HindIII and EcoRI respectively, to release the shortened fragments from the remainder of the vector, and...

DNA ligation theory (Zappe) Keywords: DNA; ligation; Zappe DNA ligations Images: 8
Links: 28

<http://medix.mmi.uct.ac.za/bbhelp/dna3.html>

1 Retrieval failure (Lycos: DNA) No rating

The pages have been assembled by Brendan Babb at the department of Medical Microbiology, University of Cape Town Protocol for standard DNA size markers, Lambda-PstI digest Keywords: Zappe; digest; lambda; standards; electrophoresis; PstI l-PstI... where j = i there is an equal chance of one end making contact with a different end or the other end of the same molecule. where j A theoretically maximum yield of chimeric molecules 1 vector and 1 insert molecule recircularised) is obtained where j:i = 3 for the plasmid concentration and the ratio of plasmid to insert DNA is 1. DNA concentrations in ligations should be...

Clontech Images: 10 Links: 19

<http://www.clontech.com>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) **No rating**

We are excited about this newly available medium for communicating and exchanging ideas with you. We hope that offering our product information, general information about CLONTECH, and employment opportunities via the Internet will be an added convenience, enabling you to access vital information immediately and at your convenience. Our goal is to become "the Gateway to Information" for life science research and thus aim to continue to expand our offerings.

DNA Vaccine Web: Paris-Ottawa Injection Handbook Images: 6 Links: 81

<http://www.genweb.com/Dnavax/Protocols/handbook.html>

(Webcrawler: DNA) **No rating**

Antibodies generated to the hepatitis B surface antigen can be measured using commercial

kits, and the results can thus be compared to published data. Females give better immune responses for the hepatitis B surface antigen, and this might be true for some other antigens. For higher efficiency of gene transfer, the DNA can be injected into regenerating muscle (see "Cardiotoxin Injection" protocol).

No Title Images: 0 Links: 4

<http://www.ici.coled.umn.edu/register/healthhumanservices/8-14-95hhs/hhs10.html>

(Alta Vista: recombinant) No rating

Dr. Nelson A. Wivel, Director, Office of Recombinant DNA Activities, Suite 323, National Institutes of Health, 6006 Executive Boulevard, MSC 7052, Bethesda, Maryland 20892-7052, Phone (301) 496-9838, FAX (301) 496-9839, will provide materials to be... Individuals who plan to attend and need special assistance, such as sign language interpretation or other reasonable accommodations, should contact Dr. Wivel in advance of the meeting. OMB's "Mandatory Information Requirements for Federal Assistance Program Announcements" (45 FR 39592, June 11, 1980) requires a statement concerning the official government programs contained in the Catalog of Federal Domestic Assistance.

DNA Images: 3 Links: 3

<http://ucmp1.berkeley.edu/glossary/gloss3/dna.html>

(Alta Vista: DNA) No rating

The helix, or spiral, is an inherent feature of the DNA molecule. Notice, for instance, that in the picture below, that the groove on the left side of the picture is much larger than the right side. DNA is a very large molecule; the image here shows only a tiny fraction of the typical molecule.

Internet Catalogue Bioengineering Images: 0 Links: 1

<http://www.elsevier.nl/catalogue/SA2/210/06400/06400/Menu.html>

3 Retrieval failures (Lycos: bioengineering) No rating

Recombinant DNA Research Images: 2 Links: 6

<http://www.uofs.edu/admin/dna.html>

(Lycos: recombinant) No rating

The purpose is to specify practices for constructing and handling recombinant DNA molecules and organisms and viruses containing recombinant DNA molecules. Copies of the federal guidelines are available at the Office of Research Services II. Ten copies of this completed document and a one page description of the experimental methodology and containment procedures should be submitted to the Office of Research Services.

Interferon-Gamma, Human, Recombinant Images: 2 Links: 12

<http://www.promega.com/tbs/tb160/tb160.html>

(Lycos: recombinant) No rating

The endotoxin level is less than 0.1 ng/ μ g of IFN-gamma. Lyophilized IFN-gamma is soluble in water and most aqueous buffers and can be reconstituted in PBS to a concentration of 1.0 ng/ μ l. The protocol below is used by Promega to test the activity of Human Recombinant IFN-gamma preparations.

-
- BioGlobe Images: 18 Links: 20

<http://www.sosei.com/>

1 Retrieval failure (Yahoo: biotechnology) No rating

in Japanese > Updated May 12, 1996, Copyright 1996 All rights reserved.

Biosource International Images: 1 Links: 8

<http://www.biosource.com/>

(Yahoo: biotechnology) No rating

BioSource Reports Record First Quarter 1996 Earnings Record Fourth Quarter and 1995 Earnings BioSource signs letter of intent to acquire Medgenix of Belgium BioSource announces proposed public offering Check our current stock price (NASDAQ BIOD) For...

Display Systems Biotechnology Images: 12 Links: 17

<http://www.displaysystems.com/>

(Yahoo: biotechnology) No rating

Genetics Institute Images: 16 Links: 14

<http://www.genetics.com/>

3 Retrieval failures (Yahoo: biotechnology) No rating

Genetics Institute, Inc., is a leading biotechnology firm pioneering in the development of innovative protein-based therapeutics for the treatment of serious human medical conditions. In 1980, the Company was founded by a small core of distinguished scientists and business professionals. Over the past decade productive scientific discovery, strategic corporate partnerships, and development of state-of-the-art manufacturing have spurred the Company's growth to become one of the United States' most promising biopharmaceutical...

Enterprise Steering Committee :Molecular Biology and Biotechnology Staff Images: 0 Links: 2

<http://www.shef.ac.uk/uni/academic/A-C/biolsc/html/H.1.2.4.1.4.html>

(Lycos: biotechnology) No rating

Undergraduate Admissions (UCCA) Group (Chair) Created by Phil Tomlinson & Rod Nicolson; e-mail

Bailey E 4243 Images: 0 Links: 2

<http://www2.shef.ac.uk/uni/projects/ushir/html/H.2.14.1.4.html>

(Lycos: biotechnology) No rating

Undergraduate Admissions (UCCA) Group (Chair) Created by Phil Tomlinson & Rod Nicolson; e-mail

Biotech Industry Resources Images: 3 Links: 10

<http://www.biospace.com/sd/industry/>

3 Retrieval failures (Webcrawler: biotechnology) No rating

The BioSpace Calendar of Events includes key events hosted by the Bay Area Bioscience Center, the Massachusetts Biotechnology Council (MBC), UC San Diego's CONNECT, the Biotechnology Industry Organization (BIO), industry service providers, and many...

Publications Get a list of "must read" biotech-specific magazines, newsletters and directories selected by the creators of BioSpace. Ernst & Young's 1995 Biotechnology Annual Report The Ernst & Young Ninth Annual Report on the Biotechnology Industry is considered by many to be the "bible" of the industry.

WWW-LARCH-L Archive: Bioengineering Reference Images: 0 Links: 10

<http://www.clr.toronto.edu:1080/ARCHIVES/HMAIL/larchl/0157.html>

6 Retrieval failures (Lycos: bioengineering) No rating

translation co-ordinated by N. K. Horstmann.

Center for Bioengineering Images: 1 Links: 2

<http://www.bioeng.washington.edu/>

(Webcrawler: bioengineering) No rating

The new address is:

Bioengineering Department Images: 8 Links: 1

<http://www.eng.clemson.edu/bio/>

(Yahoo: bioengineering) No rating

Opportunities in Bioengineering Bioengineering at Clemson University Emphasis of our Academic Programs Master of Science Degree Doctor of Philosophy Degree Meet the Faculty for more information about the department, email Dr. Larry Dooley, Professor...

461 Bioengineering Images: 0 Links: 17

<http://www.ub2.lu.se/eel/ei/461.html>

1 Retrieval failure (Lycos: bioengineering) No rating

c-Raf monoclonal Images: 5 Links: 119

http://translab.com/TLProductsR_Z.html

1 Retrieval failure (Lycos: monoclonal) No rating

A 23.5 kDa protein fragment corresponding to amino acids 1-215 (full-length) of human Rab5 was used as immunogen. A 20.4 kDa protein fragment corresponding to amino acids 279-467 of human Rin1 was used as immunogen. A 20.4 kDa protein fragment corresponding to amino acids 279-467 of human Rin1 was used as immunogen.

Recombinant DNA Technology Class Images: 1 Links: 2

http://lenti.med.umn.edu/recombinant_dna/recombinant_flowchart.html

(Lycos: recombinant) No rating

Click on purple boxes to view protocols: Computational Biology Centers' Home Page
Copyright 1994 The Regents of the University of Minnesota

Recombinant Products Images: 1 Links: 31

http://vent.neb.com/neb/recombinant_enz.html

(Lycos: recombinant) No rating

This document contains non-English or symbolic text.

Activase WWW Home Page, Genentech, Inc., medical Images: 1 Links: 4

<http://branch.com/activase/>

2 Retrieval failures (Webcrawler: recombinant) No rating

The purpose of this page is to provide information available regarding Activase To see the Full Prescribing Information, or additional information on the new accelerated infusion regimen as contained in the Press Release or Video News Release (VNR)...

-----Biosafety----- Images: 2 Links: 12

<http://www.orcbs.msu.edu/biological/biolsaf.htm>

(Webcrawler: recombinant) No rating

Biosafety in Microbiological and Biomedical Laboratories (CDC/NIH Manual, 1993)
Primary Containment for Biohazards: Selection, Installation and Use of Biological Safety Cabinets (CDC/NIH Manual, 1995) Recombinant DNA 1996 Guidelines on Recombinant DNA Molecules (NIH, 1996) Introduction of Regulated Articles (APHIS) (7 CFR 340)
Biomedical Waste Medical Waste Regulatory Act (Michigan, 1990) Medical Waste Categories (Michigan, 1991) Bloodborne Pathogens

Activase WWW Home Page, Genentech, Inc., medical Images: 1 Links: 4

<http://activase.na.com/>

(Webcrawler: recombinant) No rating

The purpose of this page is to provide information available regarding Activase To see the Full Prescribing Information, or additional information on the new accelerated infusion regimen as contained in the Press Release or Video News Release (VNR)...

Search the ATCC Catalogs Images: 1 Links: 4

<http://www.atcc.org/catalogs.html>

(Webcrawler: recombinant) No rating

To search the catalogs, please choose one of the following: Recombinant Materials (Clones, Hosts, Libraries, etc.) All Other Collections (Bacteriology, Cell Culture, Fungi, Virology, etc.)

Hypertextbook Chapters Images: 11 Links: 18

<http://esg-www.mit.edu:8001/esgbio/chapters.html>

3 Retrieval failures (Webcrawler: recombinant) No rating

This document contains non-English or symbolic text.

Keyword index page: DNA polymerase-delta to DQ52 Images: 2 Links: 254

<http://specter.dcrf.nih.gov:8004/Keyword/Keynamepage43.html>

2 Retrieval failures (Lycos: DNA) No rating

This document contains non-English or symbolic text.

<http://www-ls.lanl.gov/data/map16.txt> Images: 0 Links: 0

<http://www-ls.lanl.gov/data/map16.txt>

1 Retrieval failure (Webcrawler: DNA) No rating

This document contains non-English or symbolic text.

<http://mickey.utm.edu/txtfiles/chr04.txt> Images: 0 Links: 0

<http://mickey.utmem.edu/txtfiles/chr04.txt>

2 Retrieval failures (Webcrawler: DNA) No rating

Rough estimate of GBASE position by RW (see Akp2). The alpha subunit is common to several hormones.

GDB Locus Detail Images: 0 Links: 3

<http://gdbwww.gdb.org/gdb-bin/gdb/bin/gdbx?o=1&id=G00-229-919>

1 Retrieval failure (Webcrawler: DNA) No rating

Created: Oct 22 1993 Last Modified: Oct 23 1993 Associated Probes Probe Name Type
DNA Type Locus GDB ID yRM2242 Cloned Genomic D2S445, D2Z5 G00-229-875

DNA HomePage Images: 7 Links: 17

<http://www.handson.it/dna/>

1 Retrieval failure (Webcrawler: DNA) No rating

This document contains non-English or symbolic text.

BioWorld Images: 6 Links: 11

<http://www.megalinx.net/bioworld/>

(Yahoo: DNA) No rating

BioWorld Products BioWorld supplies molecular life scientists with the sophisticated products and services required to decipher genetic codes and understand their translation into complex biological structure and function. Our export specialists will procure products and consolidate shipments from a number of U.S. biotechnology manufacturers. About the Company Ordering information Experimental Search Products Database Catalog > Laboratory Equipment and Supplies An extensive selection of equipment and supplies from leading biotechnology manufacturers at highly competitive prices.

Genox Corporation Images: 10 Links: 13

<http://www.genox.com/>

(Yahoo: DNA) No rating

Genox is a biotechnological company dedicated to the development and application of non-invasive human Oxidative Stress Profiling techniques. These applications include: Sports Medicine Medical Diagnostics Basic Scientific Research Natural Foods Agricultural Produce Nutrition Diet Evaluation Preventive Medical Strategies Epidemiological Studies Risk Assessment of Accelerated Aging... What is the Genox Oxidative Stress Profile ?" Who can benefit from Genox products ?

Tecnologia para Diagnostico e Investigacion.(TDI sa) Images: 6 Links: 35

<http://www.tdi.es/>

4 Retrieval failures (Yahoo: DNA) No rating

This document contains non-English or symbolic text.

C.B.S. Scientific Images: 4 Links: 3

<http://www.cbssci.com/>

(Yahoo: DNA) No rating

Nucleic Acid/Protein Research Core Facility, The Images: 4 Links: 24

<http://www.med.upenn.edu/~phematol/napcore/>

(Yahoo: DNA) No rating

From this site, you can access information on current NA/P Core services with price information for both academic and corporate investigators, the most current issue of our bimonthly newsletter, and relevant links to other web sites. Created with the help of The Writing HTML Tutorial

LI-COR Images: 5 Links: 12

<http://www.licor.com/>

(Yahoo: DNA) No rating

LI-COR, Inc. is comprised of two divisions, the Environmental Division and the Biotechnology Division Both divisions are committed to the customer in a relationship that welcomes every opportunity to be of service. Internationally, service and support is provided by a broad network of distributors in over 25 countries.

BTS Bioengineering Technology & Systems Images: 1 Links: 9

<http://www.bts.it/bts/>

1 Retrieval failure (Yahoo: bioengineering) No rating

New England Biolabs Images: 2 Links: 19

<http://www.neb.com/>

(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating

Literature Request Form The Company and its People New Products Featured Products Ordering Information Technical Support & Reference Library REBASE (The Restriction Enzyme Database) International Information Biological Internet Resources...

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Information about Molecular Biotechnology Images: 0 Links: 1

http://www.tdb.uu.se/student/teknolog/UTK/X-sek/gbr_gr.html

(Alta Vista: biotechnology) No rating

This document contains non-English or symbolic text.

Entamoeba Test Kit Images: 3 Links: 13

<http://www.g3systems.com/techlab/products/entamoeba.html>

1 Retrieval failure (Alta Vista: monoclonal) No rating

Entamoeba histolytica/dispar is an intestinal parasite that infects approximately a half billion persons worldwide annually. Of the huge number of individuals infected, about 10% become symptomatic and develop colitis and liver abscesses, resulting in a mortality rate estimated between 40,000 and 120,000 persons each year. Patients infected with pathogenic E. histolytica may show a wide range of conditions.

FlyBase Report Images: 0 Links: 3

<http://mercury.ebi.ac.uk:7081/exec+%3A-d%20R10733528-10734278->

[/data/genes/genes.txt%3A/.bin/fbgenr](http://mercury.ebi.ac.uk:7081/exec+%3A-d%20R10733528-10734278-)

2 Retrieval failures (Alta Vista: monoclonal) No rating

FBrf0068528 Synonym(s) unnamed Molecular biology data Mutation in the coding region of l(1)sc is expressed via regulatory UAS under the control of GAL4. Mutagen in vitro mutagenesis | amino acid replacement in vitro mutagenesis | regulatory fusion Carried in construct P{LSCDeltaN} Phenotypic information Mode of assay: In transgenic Drosophila Allele l(1)sc[Act5C.PO] FlyBase ID number FBal0039497...

cnr anti Images: 0 Links: 4

http://www.bio.unipd.it/~telethon/res/CNR_ANTI.html

7 Retrieval failures (Alta Vista: monoclonal) No rating

This document contains non-English or symbolic text.

Recombinant DNA Methodology Images: 1 Links: 9

<http://oncolink.upenn.edu/conference/dna.html>

2 Retrieval failures (Alta Vista: recombinant) No rating

Posting Date April 26, 1996 Expiration Date May 17, 1996 Date: May 6-10, 1996

41. Predicting properties of recombinant inbred lines in rice Images: 1 Links: 0

<http://probe.nalusda.gov:8000/otherdocs/rgn/rgn3/v3VII41.html>

1 Retrieval failure (Alta Vista: recombinant) No rating

Predicting properties of recombinant inbred lines in rice Predicting properties of recombinant inbred lines in rice In this experiment, three genetic designs, namely, the Basic generations, Triple Test Cross and F3\ families were used.

Buy Fossil DNA! Images: 0 Links: 1

<http://134.68.90.12/DNAclone.html>

2 Retrieval failures (Alta Vista: DNA) No rating

It is of great excitement that modern DNA cloning techniques have advanced to a level where DNA has been detected and cloned from ancient sources, such as dominican amber. One of my experimental protocols yielded DNA from a specific gene from fossil plant tissue in amber. This gene has been amplified and cloned for study.

EMBL3LFARM.SEQ Images: 0 Links: 0
<http://biol.gis.queensu.ca/COMPLETE/EMBL3LFARM.SEQ.html>
1 Retrieval failure (Alta Vista: DNA) No rating
 This document contains non-English or symbolic text.

Bioengineering Images: 2 Links: 4
<http://www.upenn.edu/registrar/roster/be.html>
5 Retrieval failures (Lycos: bioengineering) No rating
 regist@pobox.upenn.edu Updated: March 6, 1996

Ion Transport Proteins Images: 1 Links: 24
<http://www.bioreagents.com/affinity/ions.html>
(Lycos: monoclonal) **No rating**
 This document contains non-English or symbolic text.

NIH Publishes Revised Guidelines for Research Involving Recombinant DNA Molecu
Images: 1 Links: 19
http://www.gene.com/ae/AB/UT/IAE/NIH_Revised_Guidelines.html
4 Retrieval failures (Lycos: recombinant) No rating
 The original NIH Guidelines published in 1976 specified laboratory practices for constructing and handling recombinant DNA (rDNA) molecules and organisms containing them. Since then, rDNA techniques increasingly have been used for research with plants and animals, although containment procedures for large organisms were not covered in the Guidelines. In 1986, work began on developing new appendices that would cover research involving plants in greenhouses and animals in containment facilities (barns).
Clean-up DNA reactions, description Keywords: DNA; clean-up; Zappe DNA: clean
Images: 5 Links: 26
<http://medix.mmi.uct.ac.za/bbhelp/dna1.html>
1 Retrieval failure (Lycos: DNA) No rating
 The pages have been assembled by Brendan Babb at the department of Medical Microbiology, University of Cape Town Clean-up DNA reactions, description Keywords: DNA; clean-up; Zappe DNA: clean-up Add 10 ml (or 1/10 volume) of phenol and emulsify by shaking. Add 1 volume of CHCl₃/isoamyl alcohol (24:1) and again emulsify by shaking.
DNA-directed DNA-Polymerase Reaction Images: 0 Links: 192
http://www.mcs.anl.gov/home/compbio/PUMA/Development/Leaves/DNA-directed_DNA-Polymerase_Reaction.html
3 Retrieval failures (Lycos: DNA) No rating
 This document contains non-English or symbolic text.

Registry of Internet Addresses of Biotech and Biomedical related companies/organisations
Images: 0 Links: 0
<http://155.41.115.114/jumper/wfgo.html>
4 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating
 This document contains non-English or symbolic text.

Beckman Instruments, Inc. Images: 1 Links: 8
<http://www.beckman.com/>
1 Retrieval failure (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B) No rating
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<http://www.cshl.org/>
(Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources

B) No rating

[Cold Spring Harbor Laboratory Online photo by Marléna Emmons, CSHL Public Information | Research | CSHL Press | Meetings and Courses | Education | What's New](#) [Fun Images: 1](#) [Links: 1](#)

<http://www.students.uiuc.edu/%7Eek-kang/>

(Webcrawler: bioengineering) No rating

This document contains non-English or symbolic text.

http://www.ucmb.ulb.ac.be/pdb_annot_jan94 [Images: 0](#) [Links: 0](#)

http://www.ucmb.ulb.ac.be/pdb_annot_jan94

(Webcrawler: monoclonal) No rating

L. L. Walsh, "Annotated PDB File Listing", personal communication, (1994). LLW was supported by a grant from the National Science Foundations (NSF-DIR90-19063) during the early development of this work. Date begun: November, 1990 Latest revision: April, 1994 (includes Jan, 1994 update) This file is an annotation of all of the Brookhaven Protein Data Bank files with actual coordinates.

[Pharmacia Biotech Web Catalog - Process](#) [Images: 20](#) [Links: 320](#)

<http://www.biotech.pharmacia.se/alphabet.htm>

(Webcrawler: DNA) No rating

[Biotechnology Report - May 1995](#) [Images: 11](#) [Links: 7](#)

http://www.kpmg.ca/bio_may95_venture.html

(Alta Vista: biotechnology) No rating

Venture capital investment in Canada Note to users: This information is of a general nature. one should act upon it without appropriate professional advice after a thorough examination of the facts of the particular

[Support for Bioengineering Research](#) [Images: 0](#) [Links: 1](#)

<http://fairway.ecn.purdue.edu/bme/societies/AIMBE/amsuprt1.html>

(Alta Vista: bioengineering) No rating

[No Title](#) [Images: 0](#) [Links: 57](#)

http://www.cc.utah.edu/~pd6012/FA_INDEX.HTM

(Alta Vista: bioengineering) No rating

[No Title](#) [Images: 0](#) [Links: 0](#)

http://www-mitpress.mit.edu/City_of_Bits/hn/Recombinant_Architecture/1/3/1.html,urc

(Alta Vista: recombinant) No rating

This document contains non-English or symbolic text.

[LAMPLACMU3.SEQ](#) [Images: 0](#) [Links: 0](#)

<http://biol.gis.queensu.ca/NOTCOMPL/LAMPLACMU3.SEQ.html>

(Alta Vista: DNA) No rating

7, Created) DT 01-JUL-1995 (Rel. CC Medium is 1592 SM buffer.

[Structure of DNA](#) [Images: 2](#) [Links: 2](#)

<http://www.gene.com/ae/AB/GG/structure.html>

(Alta Vista: DNA) No rating

Figure Legend: The structure of DNA is illustrated by a double helix. This structure was first described by James Watson and Francis Crick in 1953.

[WWW-LARCH-L Archive: Re: Bioengineering Reference](#) [Images: 0](#) [Links: 11](#)

<http://www.clr.utoronto.ca/ARCHIVES/HMAIL/larchl/0160.html>

3 Retrieval failures (Lycos: bioengineering) No rating

Fri, 15 Sep 1995 11:46:26 0500 Messages sorted by: [date] [thread] [subject] [author]

Next message: Regina Travers: "LandNET address" Previous message: Elissa Rosenberg: "subscription" Maybe in reply to: Kenneth R Brooks: "Bioengineering... To: Multiple recipients of list LARCH-L My graduate studio class is engaged in inventing/discovering uses for abandoned land (industrial and residential) in the East St. Louis area.

[Bioengineering Unit Notice Board](#) [Images: 2](#) [Links: 3](#)

<http://www.strath.ac.uk/Departments/BioEng/noticeboard.html>

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University of Strathclyde, Glasgow 1-3 July 1996 See First Announcement & Call for Papers Last up-dated 7 May 1996 Return to Bioengineering Unit Home Page

ABC Bücherdienst - Taschengeld Images: 1 Links: 10

<http://home.telebuch.de/themen/TASC3500.htm>

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This document contains non-English or symbolic text.

Great American Gene Company, The Images: 2 Links: 2

<http://www.geneco.com/>

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THE NATIONAL WEBSITE FOR THE REPUBLIC OF CUBA - CUBAWEB.CU Images:

46 Links: 49

<http://www.cubaweb.cu/>

(Webcrawler: biotechnology) No rating

Check back often we have major updates every 2-3 weeks and ongoing minor updates or late breaking news. FINALLY the May issue of TIPS Magazine is here! 55 Queen Street East, Toronto, Ontario, Canada, M5C 1R6 (416) 362-0700 MILLENIUM Freight Forwarding Air/Sea Import/Exports specialising in Cuba

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<http://www.asi.bc.ca/bcba/angiotech/>
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<http://www.scbt.com/>
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BC Biotechnology Alliance Images: Links:
<http://www.asi.bc.ca/bcba/>
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<http://www.biotech.bc.ca/bcba/>
8 Retrieval failures (Webcrawler: biotechnology)
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<http://www.aba.asn.au/>
8 Retrieval failures (Webcrawler: biotechnology)
ENVIRONMENTALLY SOUND APPLICATION OF BIOTECHNOLOGY Images:
Links:
<http://binas.unido.org/binas/agenda21/index.html>
8 Retrieval failures (Webcrawler: biotechnology)
Bioengineering Academic Personnel Images: Links:
<http://www-bioeng.ucsd.edu/academic.info.html>
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UCSD Bioengineering Home Page Images: Links:
<http://www-bioeng.ucsd.edu/homepage.html>

8 Retrieval failures (Lycos: bioengineering)
UCSD Bioengineering Home Page Images: Links:
<http://www-bioeng.ucsd.edu/>

8 Retrieval failures (Lycos: bioengineering)
Bioengineering Department Home Page Images: Links:
<http://www.seas.upenn.edu/be/behome.html>

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Commencement Awards 1994-95 Images: Links:
<http://www.seas.upenn.edu/be/Awards.html>

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http://www-bioeng.ucsd.edu/classes_W96.html

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Institute for Bioengineering: HOME PAGE Images: Links:
<http://www.xroads.com/%7Eibe/home.html>

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<http://www.xroads.com/%7Eibe/>

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Bioengineering & Neuroscience at Syracuse University Images: Links:
<http://syru6-180.syr.edu/>

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Bioengineering & Neuroscience at Syracuse University Images: Links:
<http://syru6-180.syr.edu/bhome.html>

8 Retrieval failures (Webcrawler: bioengineering)
Bioengineering Images: Links:
<http://syru6-180.syr.edu/benlead.html>

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Information on The Rice Institute for Biosciences and Bioengineering Images: Links:
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8 Retrieval failures (Webcrawler: bioengineering)
Bioengineering Computer Resources Images: Links:
<http://www-bioeng.ucsd.edu/computer.info.html>

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Bioengineering Department Images: Links:
<http://be.seas.upenn.edu/>

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Center for Biotechnology and Bioengineering Images: Links:
<http://info.pitt.edu/~biotech/>

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Institute of Biosciences and Bioengineering Images: Links:
<http://www-bioc.rice.edu/Institute/index.html>

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Center for Bioengineering Images: Links:
<http://samsun.bioeng.washington.edu/>

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<http://www.iscpubs.com/prod0038.html>

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Protein and Peptide Letters Home Page Images: Links:
<http://www.biochem.ucl.ac.uk/bsm/xtal/ppl.html>

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<http://www.bio.com/bio/bio.html>

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http://www.bio.com/bio/labtools/labtools_toc.html

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<http://www.aphis.usda.gov/oa/safebiot.html>

8 Retrieval failures (Alta Vista: biotechnology)
Biotechnology Permits -- Biology of Cotton Images: Links:
<http://www.aphis.usda.gov/bbep/bp/cotton.html>

8 Retrieval failures (Alta Vista: biotechnology)
No Title Images: Links:
<http://mbisg2.sbc.man.ac.uk/gradschool/gradprog.html>

8 Retrieval failures (Alta Vista: biotechnology)
Index By Fields Images: Links:
http://www.matimop.org.il/private/index_field.html

8 Retrieval failures (Alta Vista: biotechnology)
No Title Images: Links:
<http://133.48.40.3/eiji/473.html>

8 Retrieval failures (Alta Vista: monoclonal)
E A NAU AND OTHERS Images: Links:
<http://www.eecs.qub.ac.uk/ENC/JOE/Johtmlfiles/Joe01748.html>

8 Retrieval failures (Alta Vista: monoclonal)
Project Inform Recombinant Human Growth Hormone Fact Sheet Images: Links:
<http://www.projinf.org/hh/Growth.html>

8 Retrieval failures (Alta Vista: recombinant)
BioBM 232 Images: Links:
<http://www.bio.cornell.edu/biochem/calvo/biobm232/biobm232.html>

8 Retrieval failures (Alta Vista: recombinant)
ISBS ANNIV. ANNOUNCEMENTS Images: Links:
<http://www.cardiff.ac.uk/uwcm/dm/meetings/isbs.html>

8 Retrieval failures (Alta Vista: bioengineering)
No Title Images: Links:
http://www-bioeng.ucsd.edu/grads/jeff_emery.html

8 Retrieval failures (Alta Vista: bioengineering)
Columbia Engineering - Bioengineering Department Images: Links:
http://www.seas.columbia.edu/columbia/departments/bio_engineering/grad.html

8 Retrieval failures (Alta Vista: bioengineering)
PharMingen Images: Links:
<http://www.amplicom.com/mshih/>

8 Retrieval failures (Yahoo: recombinant)
Atzmon International Marketing Images: Links:
<http://atzmon.co.il/>

7 Retrieval failures (Yahoo: biotechnology)
DLO-NL laboratories for monoclonal antibodies Images: Links:
<http://www.bib.wau.nl/dlo/monoclon.html>

6 Retrieval failures (Lycos: monoclonal monoclonal antibodies Images: Links:
<http://www.ai.mit.edu/people/laurel/Bmt-talk/Oct95/msg00714.html>

6 Retrieval failures (Lycos: monoclonal Applied Genetics News Images: Links:
[gopher://gopher.eneews.com:2100/11/magazines/category/technology/tech/agn](http://gopher.eneews.com:2100/11/magazines/category/technology/tech/agn)

6 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B)
Bio/Technology Images: Links:
[gopher://gopher.eneews.com:2100/11/magazines/category/technology/tech/bio_tech](http://gopher.eneews.com:2100/11/magazines/category/technology/tech/bio_tech)

6 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B)
Genetic Engineering News Images: Links:
[gopher://gopher.eneews.com:2100/11/magazines/category/technology/tech/geng_news](http://gopher.eneews.com:2100/11/magazines/category/technology/tech/geng_news)

6 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B)
Nature Genetics Images: Links:
[gopher://gopher.eneews.com:2100/11/magazines/category/technology/tech/ng](http://gopher.eneews.com:2100/11/magazines/category/technology/tech/ng)

6 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B)
Scientist, The Images: Links:
[gopher://gopher.eneews.com:2100/11/magazines/category/technology/tech/scientist](http://gopher.eneews.com:2100/11/magazines/category/technology/tech/scientist)

6 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B)
Plant Gene Register gopher - Ophelia Publishing Images: Links:
[gopher://www.ophelia.com:70/11/Ophelia/](http://www.ophelia.com:70/11/Ophelia/)

6 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B)
Other Online Biological Journals of Interest gopher Images: Links:
[gopher://gopher.genethon.fr/11/Biblio/Journaux](http://gopher.genethon.fr/11/Biblio/Journaux)

6 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B)
BIONET Journals Contents Newsgroup Images: Links:
<http://operon.com/news:bionet.journals.contents>

6 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B)
MEDMarket Healthcare Manufacturing Industry Index Images: Links:
<http://web.frontier.net/MEDMarket/indexes/indexmfr.html>

6 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B)
Fisher Scientific Images: Links:
<http://www.fisher1.com/>

6 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B)
Gelman Sciences Images: Links:
<http://argus-inc.com/Gelman/Gelman.html>

6 Retrieval failures (Get Links: Links to Biotechnology-related Web Sites Biotechnology Information Resources B)
About Information Systems for Biotechnology Images: Links:
<http://gophisb.biochem.vt.edu/About.html>

5 Retrieval failures (Webcrawler: biotechnology)
Bachelor of Technology Management Home Page Images: Links:
<http://www.geocities.com/Paris/3799/>

1 Retrieval failure (Webcrawler: biotechnology)
BIO Member List (BIO) Images: Links:
<http://cns.bio.com/bio/biomembr.html>

5 Retrieval failures (Webcrawler: biotechnology)
BC Biotechnology Alliance links to other Net resources Images: Links:
<http://biotech.bc.ca/bcba/links.html>

5 Retrieval failures (Webcrawler: biotechnology)
<ftp://ftp.ncifcrf.gov/pub/IPS-WWW/arid95d.del> Images: Links:
<ftp://ftp.ncifcrf.gov/pub/IPS-WWW/arid95d.del>

5 Retrieval failures (Webcrawler: bioengineering)
Bioengineering Program Images: Links:
<http://syru6-180.syr.edu/program.html>

5 Retrieval failures (Webcrawler: bioengineering)
Bioengineering Information Images: Links:
<http://syru6-180.syr.edu/course/course.html>

5 Retrieval failures (Webcrawler: bioengineering)
Santa Cruz Biotechnology-T Cell/B Cell Receptor Signaling Images: Links:
http://www.scbt.com/T_cell_receptor_signaling.html

5 Retrieval failures (Webcrawler: monoclonal)
Glossary: Drugs & Treatments Images: Links:
http://health.nyam.org:8000/public_html/network/drugloss.html

5 Retrieval failures (Webcrawler: monoclonal)
LMB Profiles Images: Links:
<http://lmb.niehs.nih.gov/LMB/profiles/profile.html>

5 Retrieval failures (Webcrawler: monoclonal)
<gopher://gopher.eneews.com/00/magazines/alphabetic/all/dis...> Images: Links:
<gopher://gopher.eneews.com/00/magazines/alphabetic/all/dis...>

5 Retrieval failures (Webcrawler: monoclonal)
<http://gophisb.biochem.vt.edu/resources/pubs.lst> Images: Links:
<http://gophisb.biochem.vt.edu/resources/pubs.lst>

5 Retrieval failures (Webcrawler: recombinant)
Microsatellite Instability Images: Links:
<http://zaprunder.pds.med.umich.edu/users/Frank/MIN.html>
 (Webcrawler: DNA)

Labtrader Magazine Images: Links:
<http://www.labx.com/>

5 Retrieval failures (Webcrawler: DNA)
DNA - Destinazione New Age Images: Links:
<http://dinacom.shiny.it/Firms/Canguro/Dna.htm>

5 Retrieval failures (Webcrawler: DNA)
Kingsley and Associates Home Page Images: Links:
<http://www.asi.bc.ca/bcba/kingsley/>

4 Retrieval failures (Webcrawler: biotechnology)
<gopher://gopher.eneews.com/00/magazines/alphabetic/all/dis...> Images: Links:
<gopher://gopher.eneews.com/00/magazines/alphabetic/all/discover/Archive/030195.2>

4 Retrieval failures (Webcrawler: monoclonal)
No Title Images: Links:
<http://gophisb.biochem.vt.edu/grants/brarg.96>

4 Retrieval failures (Alta Vista: biotechnology)
Biotechnology Images: Links:
<http://www.rock.tap.csiro.au/facts/biotech.html>

4 Retrieval failures (Alta Vista: biotechnology)
Santa Cruz Biotechnology-Steroid Receptors Images: Links:

http://www.scbt.com/steroid_receptors.html
4 Retrieval failures (Alta Vista: biotechnology)
[The National Food Biotechnology Centre Images: Links:](http://www.forbairt.ie/NFBC.HTML)
<http://www.forbairt.ie/NFBC.HTML>
4 Retrieval failures (Alta Vista: biotechnology)
[Bot 131.I-P/DNA Images: Links:](http://www.lib.muohio.edu/~bbarr/gorchov/bot131/dna.html)
<http://www.lib.muohio.edu/~bbarr/gorchov/bot131/dna.html>
4 Retrieval failures (Alta Vista: DNA)
[DNA gene sequence recognition Images: Links:](http://myasthenia.dci.uwa.edu.au/seqan/generec.html)
<http://myasthenia.dci.uwa.edu.au/seqan/generec.html>
4 Retrieval failures (Alta Vista: DNA)
[Modified Synthesis Images: Links:](http://www.idtdna.com/catalog/modsyn.html)
<http://www.idtdna.com/catalog/modsyn.html>
4 Retrieval failures (Alta Vista: DNA)
[570.09 U. Wisconsin Biotechnology Center Images: Links:](http://calvin.biotech.wisc.edu/1)
[gopher://calvin.biotech.wisc.edu/1](http://calvin.biotech.wisc.edu/1)
4 Retrieval failures (Lycos: biotechnology)
[Enzyme: 2.7.7.7: DNA-DIRECTED DNA POLYMERASE. Images: Links:](http://www.mcs.anl.gov/home/compbio/PUMA/Development/EnzymeObjects/2.7.7.7.html)
<http://www.mcs.anl.gov/home/compbio/PUMA/Development/EnzymeObjects/2.7.7.7.html>
4 Retrieval failures (Lycos: DNA)
[This chart was created by Evgeni Selkov \(evgeni@mcs.anl.gov\). Images: Links:](http://www.mcs.anl.gov/home/compbio/PUMA/Development/PathwayObjects/DNTPDNADNACYTPLM.ANA.html)
<http://www.mcs.anl.gov/home/compbio/PUMA/Development/PathwayObjects/DNTPDNADNACYTPLM.ANA.html>
4 Retrieval failures (Lycos: DNA)
[Uracil-DNA Glycosylase Images: Links:](http://bsmcha1.biochem.ucl.ac.uk/bsm/xtal/udgase.html)
<http://bsmcha1.biochem.ucl.ac.uk/bsm/xtal/udgase.html>
4 Retrieval failures (Lycos: DNA)
[DNA Fingerprinting in Human Health and Society Images: Links:](http://www.gene.com/ae/AB/PSTW/Forensics/DNA_Fingerprinting_Basics.html)
http://www.gene.com/ae/AB/PSTW/Forensics/DNA_Fingerprinting_Basics.html
4 Retrieval failures (Lycos: DNA)
[Frequently Asked Questions about DNA Analysis Images: Links:](http://www.gentestlabs.com/paternity/questions.html)
<http://www.gentestlabs.com/paternity/questions.html>
4 Retrieval failures (Webcrawler: DNA)

Annex F

**The World-Wide Web Virtual Library:
Microbiology and Virology**

Microbiology and Virology

<http://golgi.harvard.edu/htbin/biopages>

- Complete list of Biomedical WWW Sites
<http://golgi.harvard.edu/biopages/all.html>

- Epidemiology
<http://chanane.ucsf.edu/epidem/epidem.html>

- Mycologi (Fungi)
<http://muse.bio.cornell.edu/~fungi/welcome.html>

- Yeasts
<http://genome-www.stanford.edu/VL-yeast.html>

- Biology Internet Resources, by topic
<gopher://genome-gopher.stanford.edu/11/topic>

- Bio-oriented Gophers List & Index (BOING)
<gopher://gopher.gdb.org/11/biogophers>
<gopher://gopher.gdb.org:3005/7>
<gopher://gopher.gdb.org:3005/7>

- Biological Journals
<http://golgi.harvard.edu/journals.html>

- Biological Molecules
<http://golgi.harvard.edu/sequences.html>

- Biological Software and Data FTP Archives
<http://www.gdb.org/Dan/softsearch/softsearch.html>

- Searchable WWW Catalog at CUI, U.Geneva
<http://cuiwww.unige.ch/cgi-bin/w3catalog>

- Form-based access to W3 Search Engines
<http://www.w3.org/hypertext/DataSources/bySubject/Overview.html>

- other subjects in the CERN WWW Virtual Library
<http://www.w3.org/hypertext/DataSources/bySubject/Overview.html>

- ArchiePlex (archie gateway)
<http://web.nexor.co.uk/archie.html>

- Veronica (Global Gopher Menu Searches)
<gopher://veronica.scs.unr.edu/11/veronica>

- BIOSCI/bionet Newsgroups and Archives
<http://www.bio.net/>

Annex G

WebCompass Microbiology Sites

Microbiology

specific kinds are anthracis

- Agent searches using General resources
- Query terms are microbiology, bacterium, bacteria

Related Topics

- specific kinds are anthracis

Related Documents

- <http://pcfcjf.dbs.aber.ac.uk/micrlink.htm> Images: 1 Links: 12
<http://pcfcjf.dbs.aber.ac.uk/micrlink.htm>
(Webcrawler: microbiology) No rating
- Base de Dados Tropical (Microbiology): Contains searchable databases and catalogues and is the home of Bioline Publications. Mycological Resources on the Internet: Contains links to societies, databases, culture collections, and all manner of other information about fungi, including a collection of nice fungal piccies. Softsearch: Searching for software and/or data, this is a good starting point.
- [Fruit5](http://cygnus.tamu.edu/Textlab/Fruit/fruit5.html) Images: 0 Links: 3
<http://cygnus.tamu.edu/Textlab/Fruit/fruit5.html>
- 2 Retrieval failures (Lycos: bacterium) No rating
- Pyrus communis Fire Blight (bacterium Erwinia amylovora): The bacterium causing fire blight overwinters at the margins of the cankers formed on twigs and branches in the previous season. Leaf Blight and Fruit Spot (fungus Entomosporium maculatum): Leaf spots first appear as small purple spots which enlarge. However, as the disease develops, spots become darker and lesions are scattered over the fruit surface.
- [Kombucha Elixer or Manchurian Tea](http://www.sease.com/kombucha/elixir.html) Images: 0 Links: 3
<http://www.sease.com/kombucha/elixir.html>
- 1 Retrieval failure (Webcrawler: bacterium) No rating
- The Kombucha 1X or Kargasok 110 has been used for many hundreds, maybe thousands of years by those who believe it can activate the glandular system, stimulate the metabolism, reduce weight, lower uric acid, cholesterol, rheumatism, arthritis,... The tea is also felt to rebuild the colon flora and increase the blood circulation and aid those under stress. Dr. Sklenar of Germany is using this tea to support cancer treatments.
- [Bacterial Method for Record Production](#) Images: 0 Links: 3

<http://www.ftch.net/%7Emadsite/CandidatePapers/p013.html>

(Webcrawler: bacterium) No rating

□ The idea, originally, was to splice a gene into the DNA of an E. coli bacterium that would synthesise an enzyme capable of metabolising the vinyl polymer that the discs are made of. Having successfully achieved this objective, we were able to totally revolutionise genetic engineering by inventing a new nucleic acid that was specific to the needs of the ARCE molecular biology department, namely deoxyriboanarchic acid (or DAA). A cunning feedback mechanism, involving the metabolites of the vinyl polymer, allowed us to precisely limit the depth to which the bacteria would penetrate on any given disc.

Bacterial and Bacteria-like Contaminants of Plant Tissue Cultures Images: 1 □ Links: 12 □

<http://www.ucc.ie/ucc/depts/biotech/bactcont-tc/>

□ 7 Retrieval failures (Lycos: bacteria) No rating

Bacteria in Tea, Harmful or Harmless? Images: 3 □ Links: 3 □

<http://www.glasswing.com/~tea/teatimes.htm>

(Lycos: bacteria) No rating

□ Their advisory stated: "All brands of loose tea and tea bags sold in retail or commercial packaging were found to contain potential harmful organisms." They continued; "Fortunately, these bacterial organisms are readily killed when exposed to elevated temperatures over time and the Health Department is not aware of any cases of illness attributed to tea. The Tea Association immediately and repeatedly contacted the health officials to learn more of their testing, but to this date no written test data has been made available.

Infection - What's the risk of killer bacteria and "superbugs"? Images: 19 □ Links: 19 □

<http://healthnet.ivi.com/9507/hl/infectio.htm>

(Lycos: bacteria) No rating

□ This strain of bacteria can also cause scarlet fever, toxic shock syndrome and the type of pneumonia that killed Muppeteer Jim Henson in 1990. About 70 percent of sporadic cases of meningitis occur in children younger than 5. But outbreaks, usually caused by one of three types of Neisseria meningitidis, can affect older children and young adults. Tuberculosis is a lung infection caused by Mycobacterium tuberculosis The bacteria are spread from person to person through the air, mainly through unprotected coughing.

Body Adventure - Bacteria Images: 1 □ Links: 2 □

http://www.adventure.com/WWW/reference_files/body/rfibact3.html

4 Retrieval failures (Lycos: bacteria) No rating

□ Bacteria were first discovered with the advent of the microscope in the 17th century. However, it was not until Louis Pasteur studied them in the mid-19th century that it became clear that bacteria were responsible for many human diseases. There are many ways to classify bacteria.

Globetrotter - Science Update Images: 4 □ Links: 4 □

<http://www.dungeon.com/~globe/issue5/i5-kefir.html>

5 Retrieval failures (Lycos: bacteria) No rating

□ The following article is the first in a series on the use of various bacteria which are of importance and interest to us. This article is on the beneficial properties of consuming fermented milk products, by Lactic Acid Bacteria (LABs) in particular a clump of bacteria known as kefir. Kefir grains are lumps of 0.3-2 cm or more of irregular form, folded with uneven surface similar to segments of a cauliflower.

Book Review of "The Outer Reaches of Life" (John Postgate) Images: 0 Links: 4 □

http://www.anatomy.su.oz.au/danny/book-reviews/h/The_Outer_Reaches_of_Life.html

(Webcrawler: bacteria) No rating

□ In it Postgate describes bacteria which can live in extreme environments and bacteria capable of the most unusual metabolic feats. Bacteria can live under intense pressure on the ocean floor, in saturated salt solutions, in acidic and alkaline environments (from pH 2 to pH 13) and, of course, in anaerobic environments. Another surprise are bacteria which can live

on very dilute concentrations of nutrients, obtained from the air or from distilled water; these have caused all sorts of headaches for experimental microbiologists.

BACTERIAL DISEASES Images: 20 Links: 19

<http://keyinfo.com/bird/articles/diseases.html>

(Webcrawler: bacteria) No rating

The use of the Gram Stain has allowed for general differentiation of these organisms as "Gram positive" and "Gram negative." These general types of descriptive terms have been frequently used in avian medicine to describe the... Gram negative bacteria stain red, whereas gram positive bacteria stain blue. We can screen for the presence of bacteria basically by two common test types: Gram Stain this is a procedure involving the swabbing of a sample site, making a smear, and killing those organisms to allow for staining and their visual...

Antibiotics Images: 6 Links: 8

<http://keyinfo.com/bird/articles/biotics.html>

(Webcrawler: bacteria) No rating

Bactericidal drugs kill bacteria by blocking a cell process necessary to sustain the life of the bacterial cell. It is important to understand that even though one type of bacteria is responsible for an infection, the infection is made up of a population of billions of individual bacterial cells. Moderately resistant bacteria die in the middle of the treatment period, and the most resistant bacteria die only after they have been subjected to the effects of the drug for the greatest number of days.

Bacterial and Bacteria-like Contaminants of Plant Tissue Cultures (3-6 September 1996)

Images: 1 Links: 12

<http://www.ucc.ie/ucc/depts/biotech/bactcont-tc/index.html>

7 Retrieval failures (Webcrawler: bacteria) No rating

Images: 1 Links: 3

Bacterial Plasmids and Pathogenicity Images: 5 Links: 1

<http://dbm.ulb.ac.be/%7Edbmwww/bact.html>

(Webcrawler: bacteria) No rating

Graduate students: M. Bahassi; P.-A. The essential genetic information in bacteria is located in one, double-stranded, circular DNA molecule: the chromosome. This horizontal spread of genes between organisms is of great evolutionary and ecological significance.

Associates of Cape Cod, Inc Images: 9 Links: 10

<http://www.acciusa.com/>

(Yahoo: bacteria) No rating

Associates of Cape Cod, Inc. Associates of Cape Cod (ACC) manufactures and sells Limulus Amebocyte Lysate (LAL) and related products for the detection of gram-negative bacterial endotoxin (lipopolysaccharide or LPS). In 1974 we became the first company to receive a license from the US Food and Drug Administration (FDA) for the manufacture of LAL and have led the field ever since. Copyright 1995-96 Associates of Cape Cod, Inc. Site support by ACC Webmaster

Major grant for bacteria sleuth Images: 0 Links: 1

<http://www.usyd.edu.au/su/exterel/news/29.11bacteria.html>

(Alta Vista: bacteria) No rating

Professor Peter Reeves of Microbiology, a specialist in the evolution of bacteria, supplied Adelaide researchers with vital genetic information that proved crucial in tracking the E.coli strain responsible for the outbreak of fatal food poisoning. Because there were other bacteria present in large numbers, the best way of detecting that organism in the meat was to look for genes specific to that particular organism. Microbiologist Professor Paul Manning of Adelaide University, a former PhD student in Professor Reeves' laboratory, immediately contacted his former supervisor.

EC: ENVIROS: LEGIONELLA BACTERIA IN OFFICE BUILDINGS(Netscape Enhanced)

Images: 7 Links: 4

http://www.envirocenter.com/Enviros/N02_03.htm

(Alta Vista: bacteria) No rating

□ The species most commonly associated with disease is *Legionella pneumophila*. The bacteria do not multiply under 20 C, and do not survive in temperatures above 60 C. These organisms may remain dormant and proliferate when temperatures are suitable. DISEASES CAUSED BY LEGIONELLA BACTERIA (LEGIONELLOSIS) *Legionella* bacteria have been recognized as the causative agent of Legionnaires' disease and Pontiac fever.

EC: ENVIROS: LEGIONELLA BACTERIA IN OFFICE BUILDINGS Images: 7 □ Links: 4

□

http://www.envirocenter.com/Enviros/R02_03.htm

(Alta Vista: bacteria) No rating

□ The bacteria do not multiply under 20 C, and do not survive in temperatures above 60 C. These organisms may remain dormant and proliferate when temperatures are suitable. Studies have shown that *Legionella* bacteria can grow and proliferate in waterborne protozoa, such as amoebae. DISEASES CAUSED BY LEGIONELLA BACTERIA (LEGIONELLOSIS) *Legionella* bacteria have been recognized as the causative agent of Legionnaires' disease and Pontiac fever.

-
- Clinical Microbiology Reviews Images: 3 □ Links: 12 □
<http://www.asmta.org/jnlsrc/cmrl.htm>
(Webcrawler: microbiology) No rating
□ Clinical Microbiology Reviews Clinical Microbiology Reviews considers for publication both solicited and unsolicited reviews and monographs dealing with all aspects of clinical microbiology. Editorial Board What you should know to view this information Instructions to Authors What you should know to view this information Journal Contents What you should know to view this information [Member Journal Subscription Information| Nonmember...
American Society for Microbiology Images: 1 □ Links: 8 □
<http://www.asmta.org/>
(Webcrawler: microbiology) No rating
□ Towards the Next Century (1899 1999) The American Society for Microbiology is the oldest and largest single life science membership organization in the world. The membership roster reads like a Who's Who of the life science community, comprising the world's most distinguished microbiologists. Thousands of professionals and researchers in the life sciences and related disciplines are joining the ASM because of the impact it has on their lives.
WSU: Department of Microbiology Images: 15 □ Links: 18 □
<http://www.sci.wsu.edu/mbio/welcome.html>
(Webcrawler: microbiology) No rating
□ WSU: Department of Microbiology WASHINGTON STATE UNIVERSITY Graduate Program: Information on the graduate school, department requirements, and research facilities available. Graduate Students: Lists the graduate students that are enrolled in the department, e-mail addresses, and links to any personal HomePages.
Microbiology BBS, The Images: 11 □ Links: 19 □
<http://www.microbiol.org/microbbs/>
3 Retrieval failures (Yahoo: microbiology) No rating
□ The Microbiology BBS is a one-stop resource for the biologist in industry, academics and private practice. For more details, see the website at <http://www.rsd.com/~rsd/> or check out the Microbiology Software Page New Mail Lists: Pharmaceutical Microbiology Forum (PMF) Mail List: pmflist@microbiol.org Pharmaceutical Microbiology Forum operates a private... To subscribe to HALOPHILE-L, send the following command to

listproc@listproc.cc.geneseo.edu in the BODY of E-mail: SUBSCRIBE HALOPHILE-L
yourfirstname yourlastname

- Univ. of Nijmegen, Dept. of Microbiology Home Page Images: 10 Links: 15
<http://www-micrbiol.sci.kun.nl/micrbiol/>
(Webcrawler: microbiology) No rating
 Welcome to the Microbiology home page, the place to start exploring the World Wide Web Information about the Department can be found in the : Microbiology Research Activities Page Microbiology Picture Gallery Microbiology Staff List Microbiology...
Grad., Post-Grad Training, Microbiology, WUSTL Images: 1 Links: 9
<http://www.microbiology.wustl.edu/training/training.html>
2 Retrieval failures (Webcrawler: microbiology) No rating
 Graduate and Post-graduate Training Graduate School of Arts and Sciences Post-doctoral research and training opportunities are available in most of the laboratories.
Department of Microbiology, DTU, Homepage Images: 4 Links: 18
<http://www.lm.dtu.dk/>
(Webcrawler: microbiology) No rating
 One of our main ideas of providing this server is to demonstrate the Cellstat program, developed as a joint project between this department and the Institute of Mathematical Modelling also at The Technical University of Denmark. The Department of Microbiology at The Technical University of Denmark is located in Lyngby, 12 km north of the center of Copenhagen, Denmark. Here is the current contents of our Homepage:
UW Department of Microbiology Homepage Images: 2 Links: 40
<http://weber.u.washington.edu/~micro/>
(Lycos: microbiology) No rating
 UW Department of Microbiology The Microbiology Graduate Guide Graduate Faculty of the Microbiology Department The Microbiology Undergraduate Guide
Department Faculty Images: 1 Links: 30
<http://lenti.med.umn.edu/microbiology/DeptFaculty.html>
(Alta Vista: microbiology) No rating
 This website is under development. Department of Microbiology Faculty: Dwight L. Anderson, Ph.D. Applied and environmental microbiology Carol L. Wells, Ph.D.
Microbiology Images: 2 Links: 14
http://bioldev1.ijm.jussieu.fr/IJM_HTML/Anglais/MB.html
2 Retrieval failures (Alta Vista: microbiology) No rating
 Welcome to this WWW server created and maintained by Marc GIRONDOT Department Microbiology
-

- British overreact to flesh-eating bacteria Images: 1 Links: 3
<http://beacon-www.asa.utk.edu/issues/v66/n3/bacteria.3n.html>
2 Retrieval failures (Webcrawler: bacteria) No rating
 UT News Center A potentially deadly illness striking victims in Britain and the United States is caused by bacteria triggering a violent immune system response, a University of Tennessee scientist said Tuesday. But Dr. Malak Kotb, director of surgical immunology at the UT-Memphis Medical Center and the Veterans Administration Hospital, said British newspapers overreacted to the illness which she said does not threaten the general population. "We have isolated (identified) in our laboratory in Memphis a new kind of

superantigen a toxin that is causing this illness, known as streptococcal toxic shock syndrome," Kotb said.

Wirth Images: 0 Links: 0

<http://www.lmb.uni-muenchen.de/groups/forbiosich/abs/I-4wi.HTM>

(Alta Vista: bacterium) No rating

It was supposed already in 1981 "to serve as a kind of gene-pool [at least] for Gram-positive bacteria". Those ideas originated from experiments under laboratory conditions. It should be stressed again, that such data were obtained in the laboratory.

No Title Images: 1 Links: 3

<http://www.wisc.edu/plantpath300/docs/erwinia.html>

1 Retrieval failure (Alta Vista: bacterium) No rating

Bacterium (pl., bacteria): Prokaryotic, single-celled microorganism with a cell membrane and cell wall but no membrane-bound organelles. Bacterial DNA, which is not organized within a nucleus, is circular and may be about 2 million nucleotide base pairs (bp). Diseases: Fire Blight of Apple and Pear

-
- The Laboratory of Bacterial Pathogenesis and Immunology Images: 13 Links: 18

<http://www.rockefeller.edu/vaf/>

(Webcrawler: bacterium) No rating

Annotated Strain Listings 1,200 strains searchable by query: Search the Annotated Listings of the Streptococcal Strains Collection.

Rebecca Craighill Lancefield Images: 1 Links: 9

<http://www.rockefeller.edu/vaf/rc/bio.htm>

(Webcrawler: bacterium) No rating

Dr. Lancefield (circa 1980) "typing" streptococci with a variety of M protein-specific antibodies mixed with a streptococcal extract. By visualizing the precipitin reactions in capillary pipets, group A streptococci were classified according to their expression of M antigens.

-
- <http://www.utas.edu.au/docs/agsci/microbiology.html>

1 Retrieval failure (Webcrawler: microbiology) No rating

Microbiology teaching and research at the University of Tasmania is undertaken at several campuses and within several departments: Hobart The Department of Applied Biomedical Science Coming events There is more information on the Academic Staff and Research Fellows, and a more general staff and student list Major Areas of Activity:

UK NEQAS Microbiology home page Images: 1 Links: 16

<http://www.ibmpcug.co.uk/%7Eukneqasm/>

2 Retrieval failures (Webcrawler: microbiology) No rating

Intended and participants' results from recent distributions organiser@ukneqasmic.win-uk.net The UK NEQAS for Microbiology was established in 1971 and provides a comprehensive quality assessment service to around 900 clinical microbiology laboratories both in the UK and abroad. A wide range of schemes is available offering a broad coverage of clinical microbiology.

NIAID-Supported Researchers Isolate Bacterium That Causes Potentially Deadly T Images: 0 Links: 0

<http://www.niaid.nih.gov/news0125.htm>

(Lycos: bacterium) No rating

Subsequently, cases have been reported in California, Florida, Maryland, Massachusetts and New York. HGE appears to be transmitted by deer ticks, which also can transmit Lyme disease. The case-fatality rate for both diseases may be as high as 5 percent.

Plague Images: 2 Links: 13

<http://www.ento.vt.edu/IHS/plague.html>

(Webcrawler: bacterium) No rating

Description: Disease of over one-hundred animals, including rats and humans. Causal Agent: Yersinia pestis, a bacillus bacterium Vector: The Rat Flea, Xenopsylla cheopsis, in the order, Siphonaptera Only adult females feed on hosts Sensitivity: Just one bacillus is enough to infect a person! A contagious, often fatal epidemic disease caused by the bacterium, Yersinia pestis, transmitted from person to person or by the bite of fleas from an infected host, especially a rat, and characterized by chills, fever, vomiting, diarrhea, and the...

Microbiology - MCB 229 - University of Connecticut Fall 1995 Images: 0 Links: 1

http://yoda.ucc.uconn.edu/users/borgesk/lecture_schedule.html

6 Retrieval failures (Alta Vista: microbiology) No rating

No Title Images: 5 Links: 49

<http://www.med.nyu.edu/Sackler/Microbiology.html>

(Alta Vista: microbiology) No rating

The faculty has 38 full-time and adjunct members located in the Department of Microbiology at the NYU Medical Center, the Aaron Diamond AIDS Research Center and the Public Health Research Institute. The research environment is enhanced by visiting scientists from the United States and abroad and an active summer research program for undergraduate students from colleges and universities throughout the country. The purpose of this program is to offer comprehensive training in the basic mechanisms of infectious disease to pre- and postdoctoral students.

-
- Microbiology and Virology - WWW Virtual Library Images: 1 Links: 262

<http://golgi.harvard.edu/biopages/micro.html>

7 Retrieval failures (Lycos: microbiology) No rating

See also: Complete list of Biomedical WWW Sites Epidemiology Mycologi (Fungi) Yeasts Biology Internet Resources, by topic Bio-oriented Gophers List & Index (BOING) Biological Journals Biological Molecules Yeasts Biological Software and Data FTP... EnviroWeb, A Project of the EnviroLink Network> Web of Life: Exploring Biodiversity (PBS TV series) European Molecular Biology Network Switzerland Biocomputing, Biozentrum der Universitaet Basel bionet.software.www archives U.S. Environmental... University of Georgia Phillip Youngman Lab Bacillus subtilis development Genentech Inc Access Excellence a resource for biology teachers Interview with Dr. Frederick A. Murphy, an expert on Ebola virus (e.g.

Microbiology Department Images: 16 Links: 36

<http://www.uct.ac.za/depts/microbiology/>

1 Retrieval failure (Yahoo: microbiology) No rating

The Microbiology Department at the University of Cape Town is situated in a four-storey building, which it shares with the Biochemistry Department, at the extreme north end of University Avenue on the Upper Campus. It is one of two Microbiology Departments at UCT: the other is the Department of Medical Microbiology, situated on the Medical School Campus of the University. ish: Our Ebola page, detailing the progress of the 1995 Zairean epidemic, and of new outbreaks, updated 21/2/96 Including:

Microbe News Story - Scientists Revive Bacteria Images: 5 Links: 11

<http://commtechlab.msu.edu/ctl/projects/dlc-me/news/ns595ap1.html>

(Lycos: bacterium) No rating

Scientists have revived a prehistoric bacterium from the gut of an extinct bee that was preserved in amber. When a living bee was trapped in the resin of a pine tree 25 million years ago, the bacteria in its gut transformed into spores, entering a hibernation-like state.

The bee was preserved in amber, the hardened form of the resin, allowing scientists the opportunity to retrieve and revive the ancient bacterium from its spore.

The Mycoplasma genitalium Genome Database (MGDB) Images: 7 Links: 20

<http://www.tigr.org/tdb/mdb/mgdb/mgdb.html>

2 Retrieval failures (Webcrawler: bacterium) No rating

A circular representation of the M. genitalium genome illustrating the location of each predicted coding region of the genome. The Mycoplasma genitalium strain is available from the American Type Culture Collection (ATCC) as accession 33530. Mycoplasma genitalium clones may be ordered through MG Reports MG reports are accessed through the Gene Map, Gene Identification Table, Name Search, or MG Search.

Ancient Bacteria Images: 1 Links: 7

<http://baretta.calpoly.edu/cano/bact-article.html>

1 Retrieval failure (Lycos: bacteria) No rating

Ancient Bacteria (41K JPEG Image) SAN LUIS OBISPO, Calif. California Polytechnic State University microbiology professor Raul Cano has discovered that bacteria millions of years old can be brought back to life. Cano, some of his students, and Ambergene Corp. of San Carlos have revived more than 1,200 types of bacteria and other one-celled organisms as old as 135 million years. All of the ancient bacteria revived by Cano were revived from bacterial spores trapped in amber fossilized tree sap.

Bacterial Typing Images: 5 Links: 35

<http://www.compulink.co.uk/~serratia/typetop.htm>

(Yahoo: bacteria) No rating

General Introduction Serotyping Bacteriophage typing Bacteriocin typing Biotyping Electrophoretic typing References by organism This site is has been designed to give microbiologists a brief idea of the techniques that can be applied to the division of... Although the traditional methods such as serology and phage typing have served us well over the last 50 years technology has improved and the newer methods that focus on the bacterial genome will inevitably find their place as 'gold standards'. It is hard to imagine that very many more 'classical' typing schemes will be described, rather advanced methodologies such as ribotyping and PCR coupled to electrophoresis will become the methods of choice for most investigations other than routine...

No Title Images: 8 Links: 9

<http://fiona.umsmmed.edu/~yar/microhome/rp.html>

4 Retrieval failures (Alta Vista: microbiology) No rating

701 MEDICAL MICROBIOLOGY The fundamentals of microbial physiology, genetics and immunology are presented with important bacteria, viral, parasitic and mycotic infections correlated from the standpoint of etiology, epidemiology, pathogenesis and... The entire course must be completed to receive credit (14 quarter hours; 707). 705 GENERAL PARASITOLOGY A survey of the parasites of animals and humans to supplement that offered in Microbiology 701.

Microbiology Program Images: 0 Links: 0

<http://www.utmb.edu/GSBS/microbio.html>

1 Retrieval failure (Alta Vista: microbiology) No rating

Training is carried out through lectures, seminars, individual or small group dialogues with faculty and visiting investigators, independent study, and scholarly research. In addition, cooperative facilities are available on campus for protein and nucleic acid sequencing and synthesis, hybridoma production, electron microscopy, the development and study of transgenic animals and for research using nude mice, among... Host defenses against viral infection and cancer; mechanisms of action and relative roles in vitro and in vivo of interferon, antibodies and cell-mediated immunity.

- Horizon Scientific Press Images: 1 □ Links: 42 □
<http://www.apollo.co.uk/a/horizon/>
(Yahoo: microbiology) No rating
□ When you are ready to continue your journey through cyberspace you might like to check out our list of the sites most popular with molecular biologists. Current Innovations in Molecular Biology A major new series to keep you up-to-date with all the current technology in molecular biology. In particular the series aims to keep you informed of the newest techniques and the most recent innovations.
Guy Perriere Images: 2 □ Links: 8 □
<http://ddbjs4h.genes.nig.ac.jp/guy.html>
3 Retrieval failures (Webcrawler: bacterium) No rating
□ Email: perriere@biomserv.univ-lyon1.fr I started my research work with the development of data bases in molecular biology, this using tools provided by Artificial Intelligence. During my Ph.D. thesis I have built an object-oriented knowledge base for representing the knowledge on the sequences and the genetics of bacterium Escherichia coli This knowledge base was called ColiGene and was built using the frame-based... After obtaining my Ph.D., in October 1992, I have got a tenure position at the French National Center for Scientific Research (CNRS), and I have started to work on the extension of the ColiGene model to bacterium Bacillus subtilis, this in the...
MycDB, the Mycobacterium database Images: 7 □ Links: 10 □
<http://kiev.physchem.kth.se/MycDB.html>
(Yahoo: bacterium) No rating
□ MycDB is funded by the WHO and the Fondation Raoul Follereau and is maintained by the Unite de Genetique Moleculaire Bacterienne at the Institut Pasteur in Paris and the Department of Biochemistry at the Royal Institute of Technology in Stockholm. The latest public release is described here MycDB is also available (through the good offices of the Genome Informatics Group at the National Agricultural Library) on the Agricultural Genome Information Server, AGIS, in Beltsville, Maryland, USA. The database is described in a paper: Staffan Bergh and Stewart T. Cole MycDB: an integrated mycobacterial database Mol.
The Journal of Medical Microbiology Images: 11 □ Links: 9 □
<http://hermes.chaphall.co.uk/journals/jmm.html>
□ (Alta Vista: microbiology) No rating
-
- Northern Software, Inc Images: 1 □ Links: 8 □
<http://www.mid-pen.lib.mi.us/walden/commerce/norsoft/nsihome.htm>
1 Retrieval failure (Yahoo: microbiology) No rating
□ Welcome to Northern Software, the world's leading supplier of PC based Laboratory Information Systems We have been in business since 1984, which gives us the experience needed to solve your laboratory's computing needs. We offer several levels of software from quality control to entry level patient reporting to the most advanced laboratory information system (LIS). We have packed hundreds of features and laboratory definable options into our software.
The E. coli Index Images: 4 □ Links: 13 □
<http://sun1.bham.ac.uk/bcm4ght6/res.html>
1 Retrieval failure (Webcrawler: bacterium) No rating
□ This page is maintained by Gavin Thomas and was last updated on the 28/4/96
<http://hornet.mmg.uci.edu/%7Ehatfield/JBC.html> Images: 0 Links: 0

<http://hornet.mmg.uci.edu/%7Ehatfield/JBC.html>
 1 Retrieval failure (Webcrawler: bacterium) No rating

- Glossary for bacterium (bacterium) Images: 0 Links: 0
<http://www.dl.ac.uk/CBMT/glossary/jun95/bacterium.html>
 (Lycos: bacterium) No rating
Murray, the bacterium and actor Images: 14 Links: 38
<http://www.demon.co.uk/scotcal/murray/murray.html>
(Lycos: bacterium) No rating
 That's right one of those creatures that so many of you oh-so-superior humans despise as and "dangerous". If you live in Britain, you may have seen me on TV in my recent starring role in a commercial for a disinfectant called Domestos Multi-Surface Cleaner I was one of a colony of bacteria strolling harmlessly across a kitchen floor when some vicious... This is the story of how I came to terms with who I really am and how I learnt a bit about real bacteria in the process.
PSORT Prediction Images: 0 Links: 3
<http://psort.nibb.ac.jp/form.html>
(Lycos: bacterium) No rating
 Gram-positive bacterium Gram-negative bacterium yeast animal plant Sequence ID
Penicillin Images: 4 Links: 4
<http://www.comet.chv.va.us/quill/pen.htm>
1 Retrieval failure (Webcrawler: bacteria) No rating
 610K '.mov' file Penicillin kills bacteria by interfering with the ability to synthesize cell wall. In this sequence, Eschericia coli were incubated in penicillin for 30 minutes.
Introduction Images: 3 Links: 8
<http://earth.agu.org/revgeophys/moskow01/node1.html>
(Alta Vista: bacteria) No rating
 Biomineralization is widespread in the biosphere and over 60 different inorganic minerals are produced by a variety of organisms from bacteria to humans [Lowenstam and Weiner, 1989]. For paleomagnetism and rock magnetism, iron biomineralization of magnetic minerals is of prime importance. From a paleomagnetism perspective, biogenic magnetic minerals can be deposited in sediments and acquire a natural remanent magnetization that preserves a record of the ancient geomagnetic field.
BACTERIA Images: 2 Links: 15
<http://www2.csn.net/~mfriedma/frdlycl2.htm>
2 Retrieval failures (Alta Vista: bacterium) No rating
 Basically, they are soups of proteins somehow arranged in such a way that they are alive.
-

- Internet Catalogue Veterinary Microbiology Images: 0 Links: 1
<http://www.elsevier.nl/catalogue/SA1/110/00600/00620/Menu.html>
 3 Retrieval failures (Lycos: microbiology) No rating
Glossary of Microbiology: INDEX Images: 0 Links: 31
<http://www.bio.umass.edu/mdid/glossary/>
(Webcrawler: microbiology) No rating
 Last modified: February 23, 1996 References: Basic Microbiology Series Vol 4: Microbial Physiology. Cambridge University Press, New York.
Dalhousie University - Department of Microbiology and Immunology Images: 8 Links: 28

http://ac.dal.ca/~anjowski/microbiology_homepage.html

2 Retrieval failures (Yahoo: microbiology) No rating
Gram negative bacteria/E.coli plasmid vector pTF-FC2 - incomplete. Images: 12 Links: 3

http://biology.queensu.ca/~miseners/vector_descrip/PTFFC2.html
 (Alta Vista: bacteria) No rating

- **Nerd World : MICROBIOLOGY** Images: 2 Links: 29
<http://challenge.tiac.net/users/dstein/nw501.html>
(Lycos: microbiology) No rating
 This site through video microscopy and animation is aimed to teach basic immunology and microbiology to a wide audience. Environmental Microbiology and Microbial Ecology (EMME) Info from a variety of university, government, and private research organizations in the area of environmental microbiology, and microbial ecology (research and teaching). Glossary in Microbiology A list of Microbiological keywords with brief definitions and hyperlinks Jack Brown Microbiology KU, 1995 MMI Home The MMI Home Page is the Dept. of Molecular Microbiology and Immunology Home Page of the School of Hygiene and...
Introduction to Microbiology Images: 0 Links: 1
http://mmedia.ucc.uconn.edu/VirtualClass/MCB/MCB229/home_page.html
 (Lycos: microbiology) No rating
Microbiology and Immunology Images: 0 Links: 3
<http://www-micro.msb.le.ac.uk/>
2 Retrieval failures (Lycos: microbiology) No rating
 Tuesday 14th May 1996 is truly a red letter day.
Microbiology and Virology Images: 0 Links: 149
<http://www.cc.emory.edu/WHSC/medweb.microbiology.html>
1 Retrieval failure (Lycos: microbiology) No rating
 Microbial Genetics Problems Co-op Microbial Insights Microbial Underground Microbiology BBS MycoPage NERC Institute of Virology & Environmental Microbiology New York University Department of Microbiology Pan American Society for Clinical Virology... Index Virum (includes links to all virus family genus and species names listed in The Classification and Nomenclature of Viruses: "6th Report of the International Committee on Taxonomy of Viruses" (1995); Eds. University of Rochester Medical Center Department of Microbiology and Immunology Virtual Lectures in Microbiology and Immunology MedMicro Profiles: A Bacteriology Laboratory Identification Scheme (Version 0.9beta) created by Jeanette Winter and...
Microbiology Home Page Images: 19 Links: 5
<http://leahi.kcc.hawaii.edu/%7Ejohnb/micro/>
(Webcrawler: microbiology) No rating
 Microbiology courses offered at KCC: Microbiology 130 General Microbiology MLT 106 / Microbiology 199 Medical Microbiology (experimental course) Microbiology courses offered at the U.H. Manoa Microbiology 130 | Microbiology 140 | Microbiology 351
Microbiology Jump Station Images: 3 Links: 119
<http://www.ifrn.bbsrc.ac.uk/gm/lab/docs/micro.html>
2 Retrieval failures (Webcrawler: microbiology) No rating
 Biology related sites Cell and Molecular Biology Online A general resource to the academic biology community Yahoo: Microbiology list WWW Virtual Library: Biosciences Commercial Biotech Net sites Genetics Jump Station A list of sites relevant to... The Microbiology BBS This homepage supports the United States Pharmacopeia, as well as a collection of homepages and links to biological resources. Biologists Guide to the Internet by Una Smith Paul Hengen's TIBS Article Archive Articles based on the BIOSCI methods-

reagnts newsgroup Biology information centre Bad Bug Book Introduction to foodborne pathogenic microorganisms and natural toxins...

American Society for Microbiology Images: 1 Links: 31
<http://outcast.gene.com/ae/RC/ASM/index.html>

1 Retrieval failure (Webcrawler: microbiology) No rating

American Society for Microbiology Fact Sheet American Society for Microbiology Fellowships ASM Resources Biology Teacher Travel Award Criteria List of Other Sources About Microbiology Careers Precollege Resources for the Scientific Community...

Hull Microbiology Society 1995/96 Programme Images: 5 Links: 8
http://www.hull.ac.uk/Hull/AB_Web/HMS_95_96_prog.html

2 Retrieval failures (Webcrawler: microbiology) No rating

Secretary: Dr Stewart Gibson, from whom further information may be obtained by telephoning: 01482-583474 (daytime) or 01482-840325 (Evenings) Chairman: Dr Peter Large, Dept of Applied Biology, University of Hull Meeting Venue: Postgraduate Education Centre, Hull Royal Infirmary, Anlaby Road, Hull (unless otherwise stated) If you are interested in microbiology you should visit the following WWW sites:

UMass Microbiology Home Page Images: 2 Links: 17
<http://www.bio.umass.edu/micro/index.html>

(Webcrawler: microbiology) No rating

Undergraduate Programs Graduate Programs Microbiology Faculty and Their Research Interests Department Telephone Directory Department Seminar Schedule Molecular Biology/Biotechnology Computer Center Immunology at UMass Flow Cytometry Facility...

2nd Int. Predictive Microbiology Conference Images: 1 Links: 1
<http://info.utas.edu.au/docs/agsci/predictive.html>

1 Retrieval failure (Webcrawler: microbiology) No rating

Digital Learning Center for Microbial Ecology Images: 10 Links: 17
<http://commtechlab.msu.edu/dlc-me.html/>

1 Retrieval failure (Yahoo: microbiology) No rating

Stories from the popular press (newspapers, magazines, etc.) related to microbiology and microbial ecology. Listings of books, videos, software, internet sites, magazines, events, and other resources related to microbiology and microbial ecology.

University of Adelaide - Department of Microbiology and Immunology Images: 31 Links: 28

<http://www.microbiology.adelaide.edu.au/index.html>

(Yahoo: microbiology) No rating

Information for School Leavers Comprehensive course advice for South Australian School Leavers interested in a career in the disciplines of Microbiology, Immunology, Virology. A draft Scientific Programme and a list of Invited Speakers is presented. Links to Molecular Biology Sites Access to commonly used DNA and protein Databases; access to programs which allow DNA and Amino acid sequence similarity searches BLAST, FASTA, BLITZ, PROSITE); as well as access to facilities which allow protein...

University of Rochester - Microbiology and Immunology Images: 11 Links: 12
<http://wwwminer.lib.rochester.edu/wwwml/SteveDFolder/mbidepthome.htmlx>

(Yahoo: microbiology) No rating

Revised: Thu Apr 4 15:23:27 1996 steve dewhurst

Department of Microbiology and Immunology, The Images: 29 Links: 57
<http://www.uwo.ca/mni/>

5 Retrieval failures (Yahoo: microbiology) No rating

The Microbiology and Immunology Undergraduate Program The Microbiology and Immunology Graduate Program Check out this NEW comprehensive site guide to Genetics and molecular biology Web resources The Canadian Genome Analysis and Technology (CGAT) Program The GCG Home Page This is the company source for assistance with the GCG sequence analysis...

Department of Microbiology Images: 9 Links: 14

<http://monera.ncl.ac.uk/>

(Yahoo: microbiology) No rating

Medical Graduate Programs: Microbiology and Immunology Images: 3 Links: 8

<http://www.med.umich.edu/microbio/>

2 Retrieval failures (Lycos: microbiology) No rating

About the Microbiology & Immunology Program Admissions Procedures Courses in Microbiology & Immunology Microbiology & Immunology Faculty and Their Research Interests Microbiology & Immunology Students Microbiology & Immunology Alumni Student Services...

Microbiology & Immunology Web-Walker Page Images: 9 Links: 118

<http://www.meddean.luc.edu/lumen/DeptWebs/microbio/web-walk/webwalk.htm>

(Alta Vista: microbiology) No rating

Chicago Weather Chicago Forecast Illinois Weather machine for IL National Weather Service Info on Chicago (City.Net) The USA CityLink Project Info on Cities around the World (City.Net) North Central images Wisconsin Madison forecast Milwaukee... World Map of Web Sites United States Map of Web Sites Chicago Map of Web Sites Scout Report Yahoo A Guide to WWW Global Network Navigator Home Page NCSA Mosaic Home Page Table of Contents Internet tools Kodak Images Chicago Mosaic, City of Chicago's WWW Page Chicago Tribune Home Page Orbiting On-line: This four-part series introduces newbies to the Net and teaches tyros all the tricks.

VUMC Department of Microbiology and Immunology Images: 6 Links: 5

<http://www.mc.vanderbilt.edu/vumcdept/micro.html>

1 Retrieval failure (Alta Vista: microbiology) No rating

-
- FEMS Microbiology Images: 0 Links: 1

<http://www.elsevier.nl/catalogue/SA1/120/05100/05100/506057/506057.html>

3 Retrieval failures (Lycos: microbiology) No rating

This document is probably moved to this location: /locate/506057

Class 424, Subclass 234.1 Images: 0 Links: 0

<http://patents.cnidr.org/pto/classes/us/424/424-234.100.html>

1 Retrieval failure (Lycos: bacterium) No rating

Class 424, Subclass 234.1 Class 424, Subclass 234.1 Bacterium or component thereof or substance produced by said bacterium (e.g., Legionella, Borrelia, Anaplasma, Shigella, etc.): Subject matter under subclass 184.1 involving a bacterium, a component of a bacterium, or a substance produced by a...

Redfield Lab Images: 2 Links: 8

<http://nh16.net.ubc.ca/Homepage.html>

6 Retrieval failures (Yahoo: bacterium) No rating

<http://torla.sendanet.es/exopol/>

2 Retrieval failures (Yahoo: bacteria) No rating

This document contains non-English or symbolic text.

Fercu, Dan Images: 1 Links: 1

<http://cwgk4.chem.cwruc.edu:443/fercu/>

(Yahoo: bacteria) No rating

This document contains non-English or symbolic text.

University of Georgia - Phil Youngman Lab Images: 0 Links: 1

<http://py2.genetics.uga.edu/Pyhome.html>

3 Retrieval failures (Yahoo: bacteria) No rating

Venema, K. Images: 2 Links: 35

<http://docserver.ub.rug.nl/eldoc/dis/science/k.venema/dis.html>

(Alta Vista: bacteria) No rating
 No Title Images: 0 Links: 0
<http://medtstgo.ucdavis.edu/Pathology/GenPath/PICS3/Response/cs4rsp2.htm>
 1 Retrieval failure (Alta Vista: bacteria) No rating
 This document contains non-English or symbolic text.
 SCOP: Protein: Light-harvesting complex from Purple bacterium (Images: 9 Links: 12
<http://www.peri.co.jp/scop/data/scop.1.006.005.001.001.001.html>
 (Alta Vista: bacterium) No rating
Thiobacillus Images: 4 Links: 3
<http://www.wqa.org/WQIS/Glossary/thiobac.htm>
 (Alta Vista: bacterium) No rating
 A small sulfur bacterium which can create hydrogen-sulfide gas, and the resulting "rotten egg" odor in water supplies.

- Microbiology Home Page University of New Hampshire Images: Links:
<http://colsa.unh.edu/www/microbiology/microl.htm>
 8 Retrieval failures (Lycos: microbiology)
Microbiology - The University of Kansas Images: Links:
<http://ukanaix.cc.ukans.edu/%7Emicro/>
 8 Retrieval failures (Webcrawler: microbiology)
Bacteria Images: Links:
<http://www.geocities.com/Paris/1459/bacteria.html>
 8 Retrieval failures (Webcrawler: microbiology)
Microbiology Home Page Images: Links:
<http://www.biosci.ohio-state.edu/%7Emicrobio/microbio.html>
 8 Retrieval failures (Webcrawler: microbiology)
Microbiology Images: Links:
<http://www.ftpt.br/structure/microbiology.html>
 8 Retrieval failures (Webcrawler: microbiology)
Dept. of Genetics and Microbiology, University of Pavia - Home Page Images: Links:
<http://pillo.unipv.it/english.htm>
 8 Retrieval failures (Webcrawler: microbiology)
Dade Microbiology Europe Images: Links:
<http://www.dademicro.com/>
 8 Retrieval failures (Yahoo: microbiology)
Brown, Jack Images: Links:
<http://falcon.cc.ukans.edu/~jbrown/>
 8 Retrieval failures (Yahoo: microbiology)
Department of Microbiology Home Page Images: Links:
<http://florey.biosci.uq.oz.au/Micro.html>
 8 Retrieval failures (Lycos: microbiology)
Evolution of Thought (September 1987) Images: Links:
<http://www.christiananswers.net/aig/s87thot.html>
 8 Retrieval failures (Lycos: bacterium)
The photosynthetic reaction centre from the purple bacterium Rhodospseudomonas Images:
 Links:
<http://www.ch.ic.ac.uk/hyperactive/1prc.html>
 8 Retrieval failures (Lycos: bacterium)
OSU BioChemistry Home Page Images: Links:
<http://www.biosci.ohio-state.edu/%7Ebiochem/biochem.html>
 8 Retrieval failures (Webcrawler: bacterium)

Bugs in the News - What the Heck is an E. coli? Images: Links:
<http://falcon.cc.ukans.edu/%7Ejbrown/ecoli.html>
8 Retrieval failures (Webcrawler: bacterium)

Elya Kurktchi - Simply Internet Images: Links:
<http://inet1.inetworld.net/elya/>
8 Retrieval failures (Webcrawler: bacterium)

OMX HEALTH PRODUCTS Images: Links:
<http://www.netcore.com.au/%7Emmartini/index.html>
8 Retrieval failures (Webcrawler: bacteria)

Exclusive Air-Conditioning Images: Links:
<http://www.multiline.com.au/~mg/>
8 Retrieval failures (Yahoo: bacteria)

Pura Inc. Water Purification Images: Links:
<http://www.smartlink.net/~pura/pura.htm>
8 Retrieval failures (Yahoo: bacteria)

Multi-Pure Water Filtration Systems Images: Links:
<http://www.mind.net/water/mpsales.html>
8 Retrieval failures (Yahoo: bacteria)

Nature's Silver Solution Images: Links:
<http://www.infodial.net/wdynamics/silver/>
8 Retrieval failures (Yahoo: bacteria)

Med Micro Images: Links:
<http://www.med.usf.edu/MEDMICRO/micro1.html>
8 Retrieval failures (Alta Vista: microbiology)

No Title Images: Links:
<http://twri.tamu.edu/twri/twripubs/NewWaves/v5n2/project-12.html>
8 Retrieval failures (Alta Vista: bacteria)

No Title Images: Links:
<http://twri.tamu.edu/twri/twripubs/NewWaves/v5n4/research-4.html>
8 Retrieval failures (Alta Vista: bacteria)

Annex H

WebCompass Virology Sites

Virology

- ■ Agent searches using General resources
- ■ Query terms are virology

Related Documents

- [WWW Server for Virology, UW-MADISON](http://www.bocklabs.wisc.edu/Welcome.html) Images: 26 Links: 121
<http://www.bocklabs.wisc.edu/Welcome.html>
(Webcrawler: virology) No rating
- Robert M. Bock Laboratories University of Wisconsin The "Marburg and Ebola" chapter from the Encyclopedia of Virology CD-ROM Mad Cow Disease [theoretically classified as a "slow virus," a "prion," or a "virino." Animal Virus Information System a database on over a thousand animal viruses The Picornavirus Home Page of Nick Knowles, Pirbright, UK Microbiology & Immunology Dept, Univ of Rochester Medical Center Department of Microbiology, College of Physicians.
[Special Topics in Virology](http://www.bocklabs.wisc.edu/Tutorial.html) Images: 1 Links: 38
<http://www.bocklabs.wisc.edu/Tutorial.html>
(Webcrawler: virology) No rating
- Course Notes and Tutorials of Selected Topics in General Virology Biology of AIDS Course Announcement Course Syllabus Proposal Evaluation Scheme Critical Scientific Questions for AIDS Research Compiled AIDS Resources Triangulation Numbers Rhinoviruses Reoviruses Flock House Virus Herpesvirus Rhinovirus 14 complexed...
sspencer@rhino.bocklabs.wisc.edu Document last modified: Friday, May 10 1996 01:33
[RAY'S VIROLOGY HOME PAGE](http://fiona.umsmc.edu/%7EYar/home.html) Images: 27 Links: 34
<http://fiona.umsmc.edu/%7EYar/home.html>
8 Retrieval failures (Webcrawler: virology) No rating
- This page is maintained by Ray (yar) Baumann last revised Wednesday, March 20, 1996 2:12:58
- [The Tulane Series in Molecular Virology Series](http://www.tulane.edu/%7Edmsander/tsmv.html) Images: 12 Links: 15
<http://www.tulane.edu/%7Edmsander/tsmv.html>
2 Retrieval failures (Webcrawler: virology) No rating
- The Tulane Series in Molecular Virology was established in the fall of 1994 with the intended purposes of enhancing interaction between local (New Orleans area) virologists, exposing students and investigators to a wider variety of virology speakers... The first series was widely considered to be a success, and plans are underway for finding speakers and financial support for next year's series. If you are interested in participating in next year's series or planning additional virology events, please contact :
- [The Garry Lab Web Pages-WWW Virology Servers](http://www.tulane.edu/~dmsander/garryfavweb.html) Images: 8 Links: 54
<http://www.tulane.edu/~dmsander/garryfavweb.html>
3 Retrieval failures (Lycos: virology) No rating
- An extensive collection of virus pictures, listed by family. To this end, we have collected all the Virology related Web sites that might be of interest to our fellow virologists, and

others interested in learning more about viruses. Additionally, we have added an index to virus pictures on the web, The Big Picture Book of Viruses, and a collection of some of the best Online Virology and Microbiology Courses available.

Pathology & Virology Center - Martindale's Health Science Guide Images: 2  Links: 279



<http://www-sci.lib.uci.edu/~martindale/MedicalPath.html>

2 Retrieval failures (Lycos: virology) No rating

 Travel Warnings & Immunization Technical Support International Services
PATHOLOGY & VIROLOGY CENTER Medical Dictionaries & Glossaries Metabolic
Pathways & Genetic Maps Interactive Anatomy Browsers On-Line Medical Journals
VIROLOGY CENTER Courses,... Cen America South America Europe Africa Near/Middle
East Your Location is here; Earth Day and Night; Earth Maps; U.S. Taxes 1996 Your
current Weather is N. Hemisphere Asia Australia &

Anti-Viral Drug Resources Images: 23  Links: 147 

<http://www.tulane.edu/%7Edmsander/garryfavweb1.html>

3 Retrieval failures (Lycos: virology) No rating

 Classification and Nomenclature of Viruses The Index Virum presents lists of virus taxa that reflect the currently approved classification of the International Committee on Taxonomy of Viruses (ICTV). American Type Culture Collection The American Type Culture Collection (ATCC) is a unique private, nonprofit resource dedicated to the collection, preservation and distribution of authentic cultures of living microorganisms, viruses, DNA probes,... The organization performs and sponsors research to insure the authenticity of the materials in the collection, and to improve and standardize methods of characterization, maintenance, preservation and distribution of such materials including: Plant...

-
- Stephan Spencer: Virology WWW Server Developer and Administrator Images: 2  Links: 18 

<http://www.bocklabs.wisc.edu/sspencer.html>

(Webcrawler: virology) No rating

 Institute for Molecular Virology & Integrated Microscopy Resource Stephan M. Spencer obtained in 1995 a Masters Degree in Biochemistry at the University of Wisconsin-Madison in the laboratory of Dr. Max L. Nibert. He also earned a Bachelors of Science Degree with Honors in Cellular and Molecular Biology at the University of Michigan-Ann Arbor in 1993.

IGC - Laboratory of Molecular Virology Images: 8  Links: 29 

<http://www.pen.gulbenkian.pt/v2/virmol.html>

1 Retrieval failure (Webcrawler: virology) No rating

 African swine fever virus is a very interesting virus. Director:João V. Costa
Investigators:Graça Ribeiro Carlos Sinogas Isabel Marques Graduate students:Alexandra
Martins Teresa Santos Ana Luisa Urmal Vítor Alves Sandra Pires João Paulo Rodrigues
Technician:Júlia... (with J. Moura al., New University of Lisbon) and sequencing of a
replication origin of Mycobacterium smegmatis used in shuttle vectors (with Hugo David al.,
Institute of Tropical Medicine, Lisbon).

Virology@Reading Images: 2  Links: 28 

<http://www.reading.ac.uk/Virology>

3 Retrieval failures (Webcrawler: virology) No rating

 Virology@Reading Welcome to the Virology Research Group HomePage These pages contain details of the research interests and lab facilities of members of academic staff working in the Virology Research Group in the School of Animal and Microbial.

Virology Research Group Images: 2  Links: 28 

<http://www.reading.ac.uk/Virology/>

(Yahoo: virology) No rating

 Virology@Reading Welcome to the Virology Research Group HomePage These pages contain details of the research interests and lab facilities of members of academic staff working in the Virology Research Group in the School of Animal and Microbial... Staff Academics Secretarial support Postal address Research Interests Research Group membership Collaborating laboratories Research Facilities Postgraduate Training Publications Lab pages Credits Full details including maps of the campus of The... This section is under construction and will in due course contain a list of group members and e-mail addresses

Molecular Virology Images: 4  Links: 11 

<http://www.bocklabs.wisc.edu/>

(Yahoo: virology) No rating

 [Awarded 3 stars by Magellan] Laboratory of [Awarded 4 stars by Magellan] This site is best viewed with Netscape Navigator 1.1 or better Download Netscape Now!

Centre of Virology - University of Bergen Images: 3  Links: 9 

<http://www.uib.no/virus/>

(Yahoo: virology) No rating

 New telephone numbers from Monday 22nd of April: earlier numbers contained 54 as third and fourth digit, these will change to 58. Old no: 55 54 45 , New no: 55 58 45). No of visitors since 23.02.96 The Centre of Virology is the largest Norwegian center for research in Virology. People at the Centre Address and Location E-mail Addresses Internal Information (for the Centre of Virology) Useful hyperlinks Articles The Web-pages are maintained by; Karl Albert Brokstad

Microbiology and Virology Images: 0 Links: 149 

<http://www.cc.emory.edu/WHSC/medweb.microbiology.html>

1 Retrieval failure (Yahoo: virology) No rating

 Microbial Genetics Problems Co-op Microbial Insights Microbial Underground Microbiology BBS MycoPage NERC Institute of Virology & Environmental Microbiology New York University Department of Microbiology Pan American Society for Clinical Virology... Index Virum (includes links to all virus family genus and species names listed in The Classification and Nomenclature of Viruses: "6th Report of the International Committee on Taxonomy of Viruses" (1995); Eds. University of Rochester Medical Center Department of Microbiology and Immunology Virtual Lectures in Microbiology and Immunology MedMicro Profiles: A Bacteriology Laboratory Identification Scheme (Version 0.9beta) created by Jeanette Winter and...

Department of Virology Home Page Images: 1  Links: 8 

<http://www.bmc.uu.se/virology/welcome.html>

 (Webcrawler: virology) No rating

Biology Images: 5  Links: 63 

<http://www-leland.stanford.edu/~zipeto/Biology.html>

(Lycos: virology) No rating

 Biology Companies Amgen Biomedical Translations Genentech, Inc. Genetics Institute Genset Invitrogen Molecular Simulations PerkinElmer/Applied Biosystems Promega Roche ScienceBase Sigma Jobs BioSCIENCE

Bionet.virology USENET News Group Images: 1  Links: 10 

<http://www.bocklabs.wisc.edu/bionet-virology.html>

(Lycos: virology) No rating

Centre of Virology Images: 3 Links: 9

<http://www.uib.no/virus>

1 Retrieval failure (Lycos: virology) No rating

New telephone numbers from Monday 22nd of April: earlier numbers contained 54 as third and fourth digit, these will change to 58. Old no: 55 54 45 , New no: 55 58 45). No of visitors since 23.02.96 The Centre of Virology is the largest Norwegian center for research in Virology. People at the Centre Address and Location E-mail Addresses Internal Information (for the Centre of Virology) Useful hyperlinks Articles The Web-pages are maintained by; Karl Albert Brokstad

No Title Images: 0 Links: 6

<http://www.mssm.edu/micro/virology.html>

(Alta Vista: virology) No rating

- Xiong's Virology page Images: 13 Links: 28

<http://ag.arizona.edu/%7Ezxiang>

1 Retrieval failure (Webcrawler: virology) No rating

Molecular biology of several small RNA and DNA viruses and their interaction with plants are being investigated in my laboratory. You will also find a list of interesting and useful WWW sites I have collected on virology, molecular biology, biotech and biochemical companies.

No Title Images: 0 Links: 0

<http://vth1.vth.colostate.edu/dlab/Feline.Oncornavirus>

(Alta Vista: virology) No rating

SAMPLES NEEDED AND PROCEDURE OF SUBMITTAL: Submit 1-2 ml of blood in a red top tube or serum on a cold pack. We prefer to clot be separated off before shipping. Higher titers (1:8 1:32) correlate with resistance to feline leukemia virus-associated tumor development.

Immunotech Images: 7 Links: 18

<http://www.immunotech.com/>

(Yahoo: virology) No rating

Virus databases Images: 10 Links: 38

<http://life.anu.edu.au/~viruses/virus.html>

2 Retrieval failures (Webcrawler: virology) No rating

to learn the nature of things The virus databases at the Australian National University's Bioinformatics Facility are developed and maintained at the Research School of Biological Sciences The ICTVdB Project The code is using DELTA, the DDescription Language for TAxonomy developed by M. Dallwitz The VIDEdB Project The VIDEdB project has been funded by the Australian Centre for International Agricultural Research.

J. Virology 69:2667 Images: 0 Links: 1

<http://www.microbio.uab.edu/faculty/JV-69-2667.html>

1 Retrieval failure (Alta Vista: virology) No rating

TI Respiratory syncytial virus matures at the apical surfaces of polarized epithelial cells. We examined the replication and maturation of RS virus in two polarized epithelial cell lines, Vero C1008 and MDCK. The predominant type of particle was filamentous, 80 to 100 nm in diameter, and 4 to 8 microns in length, and evidence from filtration studies indicated that the filamentous particles were infectious.

Microbiology and Virology - WWW Virtual Library Images: 1 Links: 262

<http://golgi.harvard.edu/biopages/micro.html>

7 Retrieval failures (Yahoo: virology) No rating

See also: Complete list of Biomedical WWW Sites Epidemiology Mycologi (Fungi)

No Title Images: 0 Links: 0

<http://www.uct.ac.za/microbiology/ebonew35.html>

(Alta Vista: virology) No rating

■ Date sent: 25 Jun 1995 23:56:33 GMT At the annual meeting of the American Society for Microbiology in D.C. last month, Laurie Garrett participated in a conference call from Zaire where she is/was covering the Ebola outbreak. At that time she said that after approx. four passages through humans that the virus seemed to be burning itself out.

Pan American Society for Clinical Virology Images:  Links: 

<http://www.med.usf.edu/MEDMICRO/pascv.html>

10 Retrieval failures (Webcrawler: virology)

Skeeter's Trauma and Virology Page Images:  Links: 

<http://exo.com/%7Eskeeter>

10 Retrieval failures (Webcrawler: virology)

Essays in Virology Images:  Links: 

<http://www.eps.lshtm.ac.uk/%7Enpanjwan/eiv.html>

Virology Page Images:  Links: 

<http://www.cbe.dis.qut.edu.au/adv-/virus/>

8 Retrieval failures (Yahoo: virology)

Bacteria Images:  Links: 

<http://www.geocities.com/Paris/1459/bacteria.html>

8 Retrieval failures (Webcrawler: virology)

Virology Division Staff Images:  Links: 

<http://nimsn41.nimr.mrc.ac.uk/resdivn/vir/virolpn.htm>

8 Retrieval failures (Alta Vista: virology)

Emergent Viruses Page Images:  Links: 

<http://hiplab.newcastle.edu.au/staff/pwatters/ebola.html>

8 Retrieval failures (Alta Vista: virology)

Annex I

The World-Wide Web Virtual Library: Epidemiology

Epidemiology

Government Agencies and International Organizations

- The Americas

- Pan American Health Organization
<http://www.paho.org/>

- Australia

- National Center for Epidemiology and Population Health
<http://online.anu.edu.au/nceph/health-stats-online/welcome.html>
 - New South Wales Health Department Division of Public Health
<http://www.health.nsw.gov.au/public-health/>

- Brazil

- National Centers of Epidemiology, Ministry of Health
<http://www.fns.ms.gov.br/>

- Canada

- Bureau of Chronic Disease Epidemiology, Health Canada
<http://hpb1.hwc.ca/datahpb/data/cdc/chronic/doc/cdehome.htm>
 - The Wellesley Hospital Research Institute, Clinical Epidemiology Division
<http://www.whri.on.ca/ced.html>

- France

- Institut Pasteur
<http://www.pasteur.fr/>
 - INSERM
<http://www.inserm.u-strasbg.fr/>
 - INSERM B3E Group
http://www.b3e.jussieu.fr/index_eng.html
 - Le Reseau Sentinelles: the French Communicable Diseases computer Network (FCDN)
<http://www.b3e.jussieu.fr/sentiweb>

- Italy
 - Italian National Institute of Health (Istituto Superiore di Sanita')
<http://www.iss.it/iss/welcome.htm>

- Singapore
 - Department of STD Control
<http://biomed.nus.sg/dsc/dsc.html>

- Spain
 - Centro Nacional de Epidemiologia Instituto de Salud Carlos III
<http://www.isciii.es/>

- Sweden
 - Karolinska Institute
<http://www.cbt.ki.se/>

- Switzerland
 - World Health Organization
<http://www.who.ch/>

- UK
 - Communicable Disease Surveillance Centre
<http://www.open.gov.uk/cdsc/cdschome.htm>
 - Medical Research Council (MRC)
<http://nimsn41.nimr.mrc.ac.uk/MRC/Welcome.html>

- USA
 - Centers for Disease Control and Prevention
<http://www.cdc.gov/>
 - CDC Information Site
<http://wonder.cdc.gov/>
 - Department of Health and Human Services
<http://www.os.dhhs.gov/>

- National Institutes of Health
<http://www.nih.gov/>
- National Institutes of Allergy and Infectious Diseases
<http://www.niaid.nih.gov/>
- National Institute of General Medical Sciences
<http://www.nih.gov/nigms/>
- National Center for Human Genome Research
<http://www.nchgr.nih.gov/>
- National Library of Medicine
<http://www.nlm.nih.gov/>
- Division of Research Grants
<http://www.drg.nih.gov/>
- United States Public Health Service
<http://www.os.dhhs.gov/phs/>
- Comprehensive Epidemiologic Data Resource (CEDR) (Dept. of Energy)
<http://cedr.lbl.gov/>
- National Academy of Sciences
<http://www.nas.edu/>
- Naval Health Research Center, Health Sciences and Epidemiology
<http://mac088.nhrc.navy.mil/Rsch/code23.html>
- Federation of American Scientists, ProMED Initiative
<http://www.fas.org/pub/gen/fas/promed/>
- American Public Health Association
<http://www.apha.org/>
- Maryland Epidemiology and Disease Control Program
<http://www.charm.net/~epi1/>

Annex J

The World-Wide Web Virtual Library: Pharmacy

Pharmacology

- Capnet Gateway listing of Pharmacy and Pharmaceutical Companies
<http://turnpike.net/emporium/C/CAPNET/medicine.htm>
- CAS World Wide Web Server - Chemical Abstract Service (division of ACS)
<http://info.cas.org/welcome.html>
- Center for Imaging and Pharmaceutical Research at Massachusetts General Hospital
<http://cipr-diva.mgh.harvard.edu/>
- CIIT - Chemical Industry Institute of Toxicology - CIIT is located in Research Triangle Park, North Carolina.
<http://www.ciit.org/>
- Coven Communications, Communications in HealthCare, U.K.
<http://dspace.dial.pipex.com/town/square/aaj84/homepage.htm>
- EINet Galaxy Pharmacy Page - a pharmacy directory service
<http://galaxy.einet.net/galaxy/Engineering-and-Technology/Biomedical-Engineering/Pharmacy.html>
- e.med NEWS, electronic data in healthcare
<http://www.pjbpubs.co.uk/a/emedhome.html>
- Hardin Meta Directory of Internet Health Sources
<http://www.arcade.uiowa.edu/hardin-www/md.html>
- Pharmacy and Pharmacology
<http://www.arcade.uiowa.edu/hardin-www/md-pharm.html>
- MedNews *Asia/Pacific
<http://biomed.nus.sg/MEDNEWS/welcome.html>
- MedNews *Americas
<http://cancer.med.upenn.edu:3000/>
- MedNews *Europe
<http://www.dmu.ac.uk/0/departments/pharmacy/archive/www/MEDNEWS/welcome.html>
- MIMS Australia, Medical Information on the Internet
<http://www.medical.net.au/mims/>
- Pharmaceutical Information Associates - PharmInfoNet,
<http://pharminfo.com/>
- DrugDB(tm)
http://pharminfo.com/drugdb/db_mnu.html
- sci.med.pharmacy archive
http://pharminfo.com/drugdb/smp_mnu.html

- Pharmacy Links by Keller
<http://www.teleport.com/~keller/pharm.html>
- Pharmacy Today from Francom's Software, Ltd.
<http://www.olympic.net/pharmacy/>
- PPS On-line Service
<http://www.pps.ca/pps.htm>
- World Health Net
http://oceania.org/world_health/

Pharmaceutical Companies

- Astra
<http://www.astra.com/>
- Ciba
<http://www.ciba.com/>
- Eli Lilly and Company
<http://www.lilly.com/>
- Genentech, Inc
<http://www.gene.com/>
- Genetics Institute, Inc
<http://www.genetics.com/>
- Hoechst Internet Forum
<http://www.hoechst.com/welc.htm>
- Merck & Co., Inc., Whitehouse Station, NJ
<http://www.merck.com/>
- Nefarma, Netherlands
<http://www.cyber.nl/nefarma/>
- Otsuka Pharmaceutical Company (in Japanese)
<http://www.otsuka.co.jp/>
- Pharmacia and Upjohn, Inc.
<http://www.pharmacia.se/>
- PT Darya-Varia Laboratoria, Indonesia
<http://www.darya-varia.com/>

- Research Triangle Pharmaceuticals
<http://www2.interpath.net/interweb/cato/rtp/rtp.html>
- SandozWeb
<http://www.med.umich.edu/trans/sandoz/>
- Sankyo Co., Ltd., Japan
<http://www.sankyo.co.jp/>
- Searle Pharmaceutical Products
<http://www.monsanto.com/products/pharmaceutical/index.html>
- Schering Health Care UK Ltd, U.K.
<http://www.pavilion.co.uk/schering/>
- Vectorpharma
<http://www.vectorpharma.com/>

Annex K

WebCompass Neurotoxin Sites

Neurotoxin

-  Agent searches using General resources
-  Query terms are neurotoxin and toxin

Related Documents

- Department of Biochemistry and Molecular Biology Images: 1  Links: 4 
http://www.hmc.psu.edu/depts/bsci/biochem/dep_bio.htm
(Webcrawler: neurotoxin) No rating
 The tremendous advances in the life sciences in the last two decades have transformed the discipline of biochemistry. Our teaching and research reflects the excitement and potential for discovery in fundamental and applied aspects of the discipline. Areas of specialization focus on cell surface components and membrane enzymes, ribozymes, folding of betasheet proteins, metalloproteases, regulation of gene expression and organization, RNA processing, post-translational modifications of proteins,...
- OU Chem/BioChem Faculty Images: 0 Links: 24 
<http://cheminfo.chem.uoknor.edu/ChemDept/Faculty/sv.html>
2 Retrieval failures (Webcrawler: neurotoxin) No rating
 Organic reaction mechanisms; chemistry of organoboranes;computational predictions of molecular properties and reaction pathways. Reactivity of coordinated molecules; applications of organotransition metal compounds as intermediates and catalysts in organic synthesis; metal-stabilized carbonium ions;activation of carbon monoxide and dioxide by metal complexes; catalysis. Bioinorganic and organometallic synthesis; bioinorganic chemistry of nitric oxide; metalloporphyrins; coordination chemistry of nitrosamines and nitrosothiols; electrochemistry; coordinatively unsaturated organometallics.
- CMB Images: 9  Links: 9 
<http://www.microbio.uab.edu/info/CMB.htm>
(Webcrawler: neurotoxin) No rating
 Admission Requirements Requirements for the Ph.D. Degree Financial Aid Facilities Faculty Debbie Sirles, Program Director The Cellular and Molecular Biology Program of the University of Alabama at Birmingham offers the Ph.D. degree in each of three... Faculty from these departments and other basic science departments and a variety of clinical departments participate in teaching courses and in directing laboratory rotations and the individualized research training each student receives while... The program is highly interdisciplinary and students benefit from the strong inter-relationships between the basic science departments, and between the basic and clinical sciences as well.
- Journal of Therapeutic Botulinum Neurotoxin Images: 1  Links: 6 
<http://www.edoc.com/jrl-bin/wilma/spr.806959044.html>
1 Retrieval failure (Lycos: neurotoxin) No rating
 Manuscripts will be critically reviewed by the editors of this journal and only those articles meeting the goals and aims of this journal will be accepted for publication. This database maintained by WILMA

MedWeb: Electronic Newsletters and Journals Images: 1 Links: 232

<http://www.emory.edu/WHSC/medweb.ejs.html>

1 Retrieval failure (Webcrawler: neurotoxin) No rating

Ejournal SiteGuide: a MetaSource maintained by Joseph Jones. Maintained by Michael Jacobson. Antiviral agents bulletin (selected articles).

MedWeb: Electronic Newsletters and Journals Images: 1 Links: 232

<http://www.cc.emory.edu/WHSC/medweb.ejs.html>

(Webcrawler: neurotoxin) No rating

Ejournal SiteGuide: a MetaSource maintained by Joseph Jones. Maintained by Michael Jacobson. Antiviral agents bulletin (selected articles).

1H Chemical shift assignments Data for neurotoxin III from Arseniev, Alexander Images: 0

Links: 4

http://www.bmrb.wisc.edu/data_library/idx.bmrb.3850111390625.421.71787.html

(Alta Vista: neurotoxin) No rating

1H Chemical shift assignments Data for neurotoxin I from Norton, Raymond S. Images: 0

Links: 4

http://www.bmrb.wisc.edu/data_library/idx.bmrb.3850111359375.421.947719.html

(Alta Vista: neurotoxin) No rating

-
- No Title Images: 0 Links: 0

http://www.ngdc.noaa.gov/paleo/aslo/d_pan.html

(Alta Vista: neurotoxin) No rating

Photosynthesis, phosphate (P) and silicate (Si) uptake, and domoic acid production were studied in batch and chemostat continuous cultures. The photosynthetic carbon assimilation rate of *P. pungens* f. multiseria was low compared to other diatoms, especially when the cultures progressed into stationary phase and were nutrient limited. Luxury uptake of P and Si occurred when the culture populations were perturbed with these nutrients after being starved of them.

Biochemistry WWW Server, University of Birmingham, Hyde... Images: 1 Links: 12

<http://iptunix.bcm.bham.ac.uk/hyde/staff.html>

(Webcrawler: neurotoxin) No rating

NMR studies of operator structure

SWISS-PROT: P10845 Images: 4 Links: 35

<http://expasy.hcuge.ch/cgi-bin/sprot-search-ac?P10845>

(Yahoo: neurotoxin) No rating

11, CREATED) DT 01-JUL-1993 (REL. 26, LAST SEQUENCE UPDATE) DT 01-NOV-1995 (REL. IT CATALYZES THE HYDROLYSIS OF THE 197-GLN-|-ARG- CC 198 BOND IN SNAP-25.

SWISS-PROT: P10844 Images: 4 Links: 27

<http://expasy.hcuge.ch/cgi-bin/sprot-search-ac?P10844>

(Yahoo: neurotoxin) No rating

vitthal's resume Images: 1 Links: 26

<http://wolf.co.net/hi/postdocs/Kulkarni.html>

(Webcrawler: neurotoxin) No rating

Investigated two-dimensional crystals of proteins and monomolecular films at the mercury/gas interface. Lipid Interfacial Chemistry: Studied interactions between a spread lipid monolayer at air/water interface and bilayer lipid vesicles suspended under the

monolayer. Routinely used various analytical techniques like thin layer chromatography, reverse phase extraction by C-18 and aminopropyl columns, flash column chromatography gas/liquid chromatography and lipid quantitation by phosphate and nitrogen assay.

- Venom Supplies Images: 1 Links: 26
<http://joplin.ctel.com.au/venomsup/>
2 Retrieval failures (Webcrawler: neurotoxin) No rating
 4. Freeze dried snake blood serums. Pure bee venom (*Apis mellifera*)250mg\$50 (1-5 gm)\$104/gm (6-10gm)\$96/gm 60gm and over\$88/gm Blue-ringed Octopus Venom Price US\$ Acanthophis antarcticus\$30 per 100ul Austrelaps superbis\$25 per 100ul Notechis scutatus\$25 per 100ul Pseudechis australis\$30 per 100ul Pseudechis porphyriacus\$25 per 100ul Pseudonaja textilis\$20 per 100ul Oxyuranus microlepidotus\$30 per...
Boston University Medical Center Images: 2 Links: 46
<http://med-www.bu.edu/Main.html>
 (Webcrawler: neurotoxin) No rating
Department of Pharmacology, Graduate Brochure Images: 7 Links: 8
<http://bioinfo.med.utoronto.ca/%7Epharmacol/>
(Webcrawler: neurotoxin) No rating
 [1].....Graduate Studies in Pharmacology Brochure [2].....Graduate Student Information [3].....Faculty of Medicine Home Page [4].....Graduate Student E-mail Addresses
-

- Protein Data Bank Page Images: 1 Links: 9
<http://141.142.3.130/Apps/CB/pdb/1nor.html>
(Alta Vista: neurotoxin) No rating
 {SS rich anti beta} [tox+] Various forms {listed by sequence homology group code} 1nor NMR monomer 19 structures [61]; 4 SSs Click on code to see protein with homologous sequence:
Protein Data Bank Page Images: 1 Links: 9
<http://141.142.3.130/Apps/CB/pdb/1ntx.html>
(Alta Vista: neurotoxin) No rating
 {SS rich anti beta} [tox+] Various forms {listed by sequence homology group code} 1ntx NMR monomer?
a544 Images: 0 Links: 4
<http://www.cisti.nrc.ca/programs/ACA95/W/a544.html>
2 Retrieval failures (Alta Vista: neurotoxin) No rating
 Granules predominantly secrete four cytotoxic proteins; eosinophil peroxidase, major basic protein, eosinophil cationic protein (ECP) and eosinophil derived neurotoxin (EDN). The recombinant EDN (unglycosylated) structure has been determined by molecular replacement using a truncated form of RNase A as a search model and refined at 1.8Å resolution with TNT to a conventional R-factor of 0.16. A nine residue insertion unique to EDN (Asp115-Tyr123), forms a single turn of alpha-helix initiated by Asp115 and the Asp119 carboxylate opposes the positive dipole of the N-terminal alpha-helix.
Decade of the Brain Images: 0 Links: 1
<http://bambi.ccs.fau.edu/brainlaw.html>
2 Retrieval failures (Webcrawler: neurotoxin) No rating

Whereas a technological revolution occurring in the brain sciences, resulting in such procedures as positron emission tomography and magnetic resonance imaging, permits clinical researchers to observe the living brain noninvasively and in exquisite... Whereas scientific information on the brain is amassing at an enormous rate, and the field of computer and information sciences has reached a level of sophistication sufficient to handle neuroscience data in a manner that would be maximally useful to... Whereas fundamental discoveries at the molecular and cellular levels of the organization of the brain are clarifying the role of the brain in translating neurophysiologic events into behavior, thought, and emotion;

WPDB - The Protein Data Bank through Microsoft Windows v2.0 Images: 7 Links: 15
<http://www.sdsc.edu//CCMS/Packages/wpdb.html>

(Webcrawler: neurotoxin) No rating

The PDB through windows, or WPDB for short, is a Microsoft Windows based program to interrogate the 3-dimensional structure of biological macromolecules as found in the Protein Data Bank (PDB) using query and display tools like those shown above. Features new to V2.0 Features new to V2.1 Typical Uses Learning by example Comparison of alpha and beta chains of human hemoglobin Searching for buried residues in lysozyme Thermal motion in a toxic loop Changes in a neuraminidase upon virus... Limited query to find structures for further study based on substrings of PDB record types e.g. HEADER, COMPND or primary protein sequence with limited mismatch capability.

Protein Data Bank Page Images: 1 Links: 4
<http://www.ncsa.uiuc.edu/Apps/CB/pdb/1sh1.html>

(Lycos: neurotoxin) No rating

Protein Data Bank Page Images: 1 Links: 3
<http://www.ncsa.uiuc.edu/Apps/CB/pdb/2sn3.html>

(Lycos: neurotoxin) No rating

Pharmacology Images: 1 Links: 16
<http://med-amsa.bu.edu/Pharmacology/>

(Webcrawler: neurotoxin) No rating

The department is located on the sixth floor of the Instructional Building at the Boston University School of Medicine. As part of the basic science program of the School of Medicine, the department has graduate training programs leading to both MA and PhD degrees. Further information regarding the department and graduate programs can be obtained by contacting the Chairman of the Department, Dr. David Farb (dfarb@bu.edu).

-
- SCOP: Protein: Sea anemone neurotoxin-1 from sea anemone (Images: 18 Links: 26
<http://pdb.pdb.bnl.gov/scop/data/scop.1.007.005.001.001.004.html>
1 Retrieval failure (Alta Vista: neurotoxin) No rating
 - SCOP: Protein: Neurotoxin II from snake (Images: 12 Links: 17
<http://pdb.pdb.bnl.gov/scop/data/scop.1.007.003.001.001.017.html>
1 Retrieval failure (Alta Vista: neurotoxin) No rating
 - 1nor Enter search key: Generated from scop database 1.22 with scopm 1.66 on Tue Aug 22 14:13:29 BST 1995 Copyright 1995 The scop authors / scop@mrc-lmb.cam.ac.uk
 - The Garry Laboratory Publications Page Images: 11 Links: 10
<http://www.tulane.edu/%7Edmsander/garrypublications.html>
1 Retrieval failure (Webcrawler: neurotoxin) No rating
 - Title: Sequence similarities between retroviral proteins and components of the spliceosome [letter]. Title: Sindbis virus-induced inhibition of protein synthesis is partially

reversed by medium containing an elevated potassium concentration. Title: [Possible involvement of a recently discovered human retrovirus in idiopathic immunologic disorders, including Sjogren syndrome (autoimmune exocrinopathy) (see comments)].

<http://www.panix.com/%7Edonwiss/reichelt.html> Images: 0 Links: 24

<http://www.panix.com/%7Edonwiss/reichelt.html>

(Webcrawler: neurotoxin) No rating

Coeliac disease is one where certain peptides from gliadin and gluten are toxic to the gut mucosa due to lack of break down. In the last publication evidence for the identification of bovine casomorphin 1-8 immunoreactive peptides was reported, and opioids are formed from food proteins in the gut. Also the gluten molecule contains up to 15 opioid sequences brilliantly elucidated by Prof DR Yoshikawa (Fukudome SI and Yoshikawa M (1991) FEBS Letters 296:107-111) and such opioids are formed in the gut.

37th ENC Posters Images: 1 Links: 34

<http://www.nmr.mgh.harvard.edu/ENC/posters.html>

(Webcrawler: neurotoxin) No rating

The Suppression of Cross-Relaxation in 1H Relaxation Measurements and the Isolation of the Mutual Relaxation of Restricted Sets of Nuclear Spins Adequate A Set of New NMR Experiments for the Determination of the Constitution and the Conformation of Small Organic Molecules Characterization of the Backbone Dynamics of a Folded and an Unfolded Form of an SH3 Domain

Serotonin: The Neurotransmitter for the '90s Images: 2 Links: 0

<http://fairlite.com/ocd/articles/ser90.shtml>

(Webcrawler: neurotoxin) No rating

These events are summarized in Figure 1. Thus, the actions of 5-HT can be theoretically modulated by agents that stimulate or inhibit its biosynthesis (step 1); agents that block its storage (step 2); agents that stimulate or inhibit its release... With the exception of the 5-HT3 receptor, which is a ligand-gated ion channel related to NMDA, GABA and nicotinic receptors, all of the 5-HT receptor subtypes belong to the group of G-protein linked receptors. 5-HT1C These receptors belong to the same receptor subfamily as the 5-HT2 receptor and have been recently renamed as 5-HT2C receptors.

EXCITOTOXINS Images: 7 Links: 2

<http://grossbart.com/health-press/excitotoxins>

(Webcrawler: neurotoxin) No rating

Russell L. Blaylock, M.D., is a member of the Congress of Neurological Surgeons, the American Association of Neurological Surgeons, Southern Neurosurgical Society, the American Nutritionist Association, the American Society for Parental and Enteral... The studies showing how excitotoxins work have greatly increased our understanding, not only of brain function, but also of the very basis of the degenerative brain disease process itself. What characterizes all of these diseases is that they develop in previously normal brains and progress, in most instances, very slowly, causing the brain and/or spinal cord to eventually degenerate.

SCOP: Protein: Neurotoxin B from sea snake (Images: 12 Links: 18

<http://xtal200.harvard.edu:8000/scop/data/scop.0.007.003.001.001.011.html>

(Alta Vista: neurotoxin) No rating

Root: scop Class: Small proteins Fold: Snake toxin-like Superfamily: Snake toxin-like Family: Snake venom neurotoxins Protein: Neurotoxin B Species: sea snake (Laticauda semifasciata) PDB Entries: 1nxb Enter search key: Generated from scop database version 0.00 Test with scopm \$Revision: 1.40 \$ on Wed Sep 21 19:15:11 BST 1994 Copyright 1994 The scop authors / scop@www.bio.cam.ac.uk

SCOP: Protein: Neurotoxin I from snake (Images: 12 Links: 18

<http://pdb.pdb.bnl.gov/scop/data/scop.1.007.003.001.001.005.html>

(Alta Vista: neurotoxin) No rating

1ntn Enter search key: Generated from scop database 1.22 with scopm 1.66 on Tue Aug 22 14:13:29 BST 1995 Copyright 1995 The scop authors / scop@mrc-lmb.cam.ac.uk

SCOP: Protein: Neurotoxin II from snake (Images: 12 Links: 17

<http://www.peri.co.jp/scop/data/scop.1.007.003.001.001.017.html>

(Alta Vista: neurotoxin) No rating

1nor Enter search key: Generated from scop database 1.22 with scopm 1.66 on Tue Aug 22 14:13:29 BST 1995 Copyright 1995 The scop authors / scop@mrc-lmb.cam.ac.uk

SCOP: Protein: Erabutoxin B (also neurotoxin B) from sea snake (Images: 26 Links: 35

<http://www.peri.co.jp/scop/data/scop.1.007.003.001.001.001.html>

(Alta Vista: neurotoxin) No rating

SCOP: Protein: Erabutoxin B (also neurotoxin B) from sea snake (Images: 26 Links: 35

<http://genome.cbs.dtu.dk/scop.22/data/scop.1.007.003.001.001.001.html>

(Alta Vista: neurotoxin) No rating

SCOP: Protein: Sea anemone neurotoxin-1 from sea anemone (Images: 18 Links: 26

<http://genome.cbs.dtu.dk/scop.22/data/scop.1.007.005.001.001.004.html>

(Alta Vista: neurotoxin) No rating

-
- Daniel Gardner, Ph.D. Images: 3 Links: 5

<http://physiology.med.cornell.edu/Faculty/Gardner.html>

(Webcrawler: neurotoxin) No rating

(212) 746-6373 dan@aplysia.med.cornell.edu APLYSIA, the molluscan database project
A general description of the background and goals of this identified neuron neurophysiology database. One of the most exciting unsolved problems of biomedical science is how the cellular and network properties of individual neurons give rise to the complex behavior of the brain. Interneuronal information transfer depends upon not only the often complex wiring diagram for neuronal interconnection but also the biophysical properties of each synapse between presynaptic and postsynaptic neurons.

Index page for GenoBase Swiss-Prot Peptides Images: 1 Links: 177

http://specter.dcrf.nih.gov:8004/Peptide/peptide_toc_by_name.html

2 Retrieval failures (Webcrawler: neurotoxin) No rating

to ALPHA-AMYLASE PRECURSOR (EC 3.2.1.1) to AMPD PROTEIN to ANTIFUNGAL PROTEIN PRECURSOR to ARGININE DEIMINASE (EC 3.5.3.6) to ATP SYNTHASE A CHAIN (EC 3.6.1.34) (PROTEIN 6) to ATP SYNTHASE DELTA CHAIN, MITOCHONDRIAL (EC 3.6.1.34) (FRAGMENT) to...

Medicinal Cemistry Images: 0 Links: 2

<http://www.farm.rug.nl/gcdr/groep1.html>

(Webcrawler: neurotoxin) No rating

The Medicinal Chemistry group at the Groningen Centre for Drug Research has a firm background of knowledge in the field of aminotetralines and structurally related compounds, as well as in the neuropharmacology and neurochemistry of drugs which act... Since recent studies have suggested the importance of stimulating either D1 or D2 dopamine receptors in Parkinson's disease, the group is attempting to design selective D1 or D2 agonists by modifying the dopaminergic compounds with a known D1/D2... The structural link between 8-OH-DPAT, serotonin and melatonin prompted work on the synthesization of several aminotetralines based on this lead compound, for the study of their melatonergic agonistic

and/or antagonistic activities.

- SCOP: Family: Neurotoxin III (ATX III) Images: 11  Links: 15 
<http://pdb.pdb.bnl.gov/scop/data/scop.1.007.006.001.001.html>
1 Retrieval failure (Alta Vista: neurotoxin) No rating
 This document contains non-English or symbolic text.
SCOP: Superfamily: Neurotoxin III (ATX III) Images: 11  Links: 14 
<http://pdb.pdb.bnl.gov/scop/data/scop.1.007.006.001.html>
1 Retrieval failure (Alta Vista: neurotoxin) No rating
 This document contains non-English or symbolic text.
http://www.ucmb.ulb.ac.be/pdb_seq_rel_jan94 Images: 0 Links: 0
http://www.ucmb.ulb.ac.be/pdb_seq_rel_jan94
(Webcrawler: neurotoxin) No rating
 This document contains non-English or symbolic text.
SCOP: Family: Neurotoxin III (ATX III) Images: 11  Links: 15 
<http://prosci.biomol.uci.edu/scop/data/scop.1.007.006.001.001.html>
(Alta Vista: neurotoxin) No rating
 This document contains non-English or symbolic text.
SCOP: Fold: Neurotoxin III (ATX III) Images: 11  Links: 18 
<http://prosci.biomol.uci.edu/scop/data/scop.1.007.006.000.000.html>
(Alta Vista: neurotoxin) No rating
 This document contains non-English or symbolic text.
SCOP: Protein: Neurotoxin III (ATX III) from Sea anemone (Images: 12  Links: 16 
<http://www.peri.co.jp/scop/data/scop.1.007.006.001.001.001.html>
(Alta Vista: neurotoxin) No rating
 This document contains non-English or symbolic text.
SCOP: Fold: Neurotoxin III (ATX III) Images: 12  Links: 19 
<http://bioinformatics.weizmann.ac.il/scop/data/scop.1.007.006.000.000.000.html>
(Alta Vista: neurotoxin) No rating
 This document contains non-English or symbolic text.
OblMntl.kin Images: 0 Links: 0
<http://helium.biomol.uci.edu/kinemages/OblMntl.kin>
(Yahoo: neurotoxin) No rating
 This document contains non-English or symbolic text.
SCOP: Superfamily: Neurotoxin III (ATX III) Images: 12  Links: 17 
<http://bioinformatics.weizmann.ac.il/scop/data/scop.1.007.006.001.000.000.html>
(Alta Vista: neurotoxin) No rating
 This document contains non-English or symbolic text.
<http://genome.cbs.dtu.dk/scop.22/data/scop.1.007.006.001.000.000.html> Images: 12 
Links: 17 
<http://genome.cbs.dtu.dk/scop.22/data/scop.1.007.006.001.000.000.html>
(Alta Vista: neurotoxin) No rating
 This document contains non-English or symbolic text.
- Introduction to the Dinoflagellata Images: 8  Links: 15 
<http://ucmp1.berkeley.edu/protista/dinoflagellata.html>
(Webcrawler: neurotoxin) No rating

Many are photosynthetic, manufacturing their own food using the energy from sunlight, and providing a food source for other organisms. Some species are capable of producing their own light through bioluminescence, which also makes fireflies glow. These species reproduce in such great numbers that the water may appear golden or red, producing a "red tide".

http://www.ucmb.ulb.ac.be/pdb_annot_jan94 Images: 0 Links: 0

http://www.ucmb.ulb.ac.be/pdb_annot_jan94

(Webcrawler: neurotoxin) No rating

L. L. Walsh, "Annotated PDB File Listing", personal communication, (1994). LLW was supported by a grant from the National Science Foundations (NSF-DIR90-19063) during the early development of this work. Date begun: November, 1990 Latest revision: April, 1994 (includes Jan, 1994 update) This file is an annotation of all of the Brookhaven Protein Data Bank files with actual coordinates.

Clostridium botulinum - Toxins Images: 0 Links: 40

http://www.mcs.anl.gov/home/compbio/PUMA/Production/NodeObjects/Clostridium_botulinum.Toxins.html

(Lycos: neurotoxin) No rating

Locus ntm9 neurotoxin M9 homolog Images: 0 Links: 37

<http://www.agron.missouri.edu/cgi-bin/sybgw/new/Locus/57385>

(Yahoo: neurotoxin) No rating

Maize DB Locus ntm9 neurotoxin M9 homolog mays Synonyms Synonym Per csuh129 Baysdorfer, C umc370(gfu) Chao, S csu129 Baysdorfer, C neurotoxin M9 homolog Full Name ntm9 Canonical Name Detected By p-csu129 Gene Products: ?

Description of Alignment A4195 Images: 0 Links: 4

http://www.mcs.anl.gov/home/compbio/PUMA/Alignment_descs/A4195_desc.html

(Yahoo: neurotoxin) No rating

Cyanobacteria Images: Links:

<http://minyos.xx.rmit.edu.au/%7Es9211747/cyano.html>

7 Retrieval failures (Webcrawler: neurotoxin)

GRADUATE PROGRAM IN PHYSIOLOGY & NEUROBIOLOGY Images: Links:

ftp://rwja.umdj.edu/www/pnb_prog/pnb_1.htm

7 Retrieval failures (Webcrawler: neurotoxin)

Research Interests Images: Links:

<http://chemiris.labs.brocku.ca/staff/atkinson/research.html>

7 Retrieval failures (Webcrawler: neurotoxin)

WWW Site of Therapeutic Botulinum Neurotoxin: Research Images: Links:

<http://med-amsa.bu.edu/pharmacology/neuropharm/btx1.htm>

7 Retrieval failures (Lycos: neurotoxin)

Botulinum neurotoxin and tetanus toxin (in lcmarc) Images: Links:

<http://lcmarc.dra.com/lcmarc/AMD-8879>

7 Retrieval failures (Lycos: neurotoxin)

BU School of Medicine: Laboratory of Neuropharmacology Home Page Images: Links:

<http://med-amsa.bu.edu/pharmacology/neuropharm/npharm.htm>

7 Retrieval failures (Lycos: neurotoxin)

Denervation Times (Therapeutic Botulinum Neurotoxin) Images: Links:

<http://med-amsa.bu.edu/pharmacology/neuropharm/newsltr.htm>

7 Retrieval failures (Lycos: neurotoxin)
Fish Neurotoxins Images: Links:
<http://www.uic.edu/~crockett/poison/fish.html>

7 Retrieval failures (Lycos: neurotoxin)
human neurotoxin Images: Links:
<http://taz.hyperreal.com/drugs/mdma/human.neurotoxin>

7 Retrieval failures (Lycos: neurotoxin)
BU Lab. of Neuropharmacology: WWW Resources on Related Topics Images: Links:
<http://med-www.bu.edu/pharmacology/neuropharm/pharm.htm>

7 Retrieval failures (Lycos: neurotoxin)
TOXIN TALK: FORUM FOR BOTULINUM NEUROTOXIN Images: Links:
<http://med-amsa.bu.edu/pharmacology/neuropharm/toxntalk.htm>

6 Retrieval failures (Lycos: neurotoxin)
Poison©: A Critical Review of Toxicology Images: Links:
<http://tigger.uic.edu/%7Ecrockett/Gusso.html>

5 Retrieval failures (Webcrawler: neurotoxin)
Research Re: Cause of Schizophrenia Images: Links:
<http://www.mentalhealth.com/dis-rs3/p26-ps01.htm>

5 Retrieval failures (Webcrawler: neurotoxin)
SCOP: Fold: Neurotoxin III (ATX III) Images: Links:
<http://gundi.came.sbg.ac.at/data/scop.1.007.006.000.000.000.html>

4 Retrieval failures (Lycos: neurotoxin)
PDB 2sh1 Images: Links:
<http://www.biochem.ucl.ac.uk/bsm/pdbsum/2sh1/main.html>

4 Retrieval failures (Lycos: neurotoxin)
The Good Drug Guide : The Responsible Parent's Guide To... Images: Links:
<http://www.pavilion.co.uk/david-pearce/gooddrug.htm>

4 Retrieval failures (Webcrawler: neurotoxin)
Scorpion Neurotoxin Images: Links:
<http://www.biochem.ucl.ac.uk/bsm/folds/2sn3.html>

1 Retrieval failure (Alta Vista: neurotoxin)
PDB 1ans Images: Links:
<http://www.biochem.ucl.ac.uk/bsm/pdbsum/1ans/main.html>

1 Retrieval failure (Alta Vista: neurotoxin)
No Title Images: Links:
<http://www.hwi.buffalo.edu/ACA/TUCr/cga17/abstracts/S0570.html>

1 Retrieval failure (Alta Vista: neurotoxin)
No Title Images: Links:
<http://www.biochem.ucl.ac.uk/bsm/pdbsum/2abx/pdbhead.txt>

1 Retrieval failure (Alta Vista: neurotoxin)
pdb1shi.ent Images: Links:
http://btcpxc.che.uni-bayreuth.de/english/./PDB/pdb_files/pdb1shi.ent

1 Retrieval failure (Yahoo: neurotoxin)
pdb1nor.ent Images: Links:
http://btcpxc.che.uni-bayreuth.de/english/./PDB/pdb_files/pdb1nor.ent

1 Retrieval failure (Yahoo: neurotoxin)
pdb2sn3.ent Images: Links:
http://btcpxc.che.uni-bayreuth.de/english/./PDB/pdb_files/pdb2sn3.ent

1 Retrieval failure (Yahoo: neurotoxin)

<http://www.peri.co.jp/scop/data/scop.1.007.006.html> Images:  Links: 

<http://www.peri.co.jp/scop/data/scop.1.007.006.html>

1 Retrieval failure (Alta Vista: neurotoxin)

PDB 2ctx Images:  Links: 

<http://www.biochem.ucl.ac.uk/bsm/pdbsum/2ctx/main.html>

1 Retrieval failure (Lycos: neurotoxin)

PDB 2abx Images:  Links: 

<http://www.biochem.ucl.ac.uk/bsm/pdbsum/2abx/main.html>

1 Retrieval failure (Lycos: neurotoxin)

PDB 2crd Images:  Links: 

<http://www.biochem.ucl.ac.uk/bsm/pdbsum/2crd/main.html>

Annex L

World Culture Collections

This annex contains three sections listing:

1. Viral Collections;
2. Bacteriology Collections; and,
3. Fungal Collections.

Viral Collections

1. AHRL WDC83 : Animal Health Research Laboratory, CSIRO, Division of Animal Health, Australia
2. ATCC WDC1 : American Type Culture Collection, Rockville, Maryland, USA
3. BPIC WDC610: Benaki Phytopathological Institute Collection, Benaki Phytopathological Institute, Athens, Greece
4. CAIRO WDC583: Cairo Microbiological Resources Centre, Cairo MIRCEN, Egypt
5. CAPM WDC181: Collection of Animal Pathogenic Microorganisms, Veterinary Research Institute, Hudcova 70, Brno, The Czech Republic
6. CCM-A WDC29 : Coleccion de Cultivos Microbianos, Facultad de Farmacia y Bioquimica, Buenos Aires, 1113 Argentine Republic
7. CCRC WDC59 : Culture Collection and Research Center, Food Industry Research and Development Institute Hsinchu, Taiwan,
8. CCTCC WDC611: China Center for Type Culture Collection, Wuhan University, China
9. CCVCC WDC612: China Center For Virus Culture Collection, Wuhan Institute of Virology, Academia Sinica, China
10. CGVCC WDC613: Centre for General Viruses Culture Collection, Wuhan Institute of Virology Academia Sinica, China
11. CICV WDC33 : Centro de Investigaciones en Ciencias Veterinarias Buenos Aires, Argentina
12. CNCM WDC174: Collection Nationale de Cultures de Microorganismes, Institut Pasteur, Paris, France
13. CNCTC WDC130: Czechoslovak National Collection of Type Cultures, National Institute of Public Health, Prague, Czech Republic
14. CRORA WDC81 : Centre Collaborateur O.M.S. de Reference et de Recherche, pour les Arbovirus, Institut Pasteur de Dakar, Senegal

15. CSC-CLCH WDC631: Centro Substrati Cellulari., Cell Lines Collection and Hybridomas, Istituto Zooprofilattico Sperimentale Lombardia ed Emilia Brescia, 25100, Republic of Italy
16. ENCB-IPN WDC449: Coleccion de cultivos de la Escuela Nacional de, Ciencias Biologicas, Escuela Nacional de Ciencias Biologicas. I.P.N. Mexico
17. GCRI WDC349: Plant Virus Collection, AFRC Institute of Horticultural Research, Sussex, UK
18. HER WDC6 : Felix d'Herelle Reference Center for Bacterial Viruses, Department of Microbiology, Faculty of Medicine, Laval University, Canada
19. HUKUK WDC756: Culture Collection of Animal Cells, Foot and Mouth Disease (FMD) Institute Ankara, 06044, Republic of Turkey
20. IEMVT WDC54 : Collection de L'I.E.M.V.T., Institut D'eleavage et de Medecine Veterinaire Des Pays, Tropicaux/Cirad Maisons-Alfort, 94704, French Republic
21. IOUL WDC464: Sub-department of Virology, Institute of Ophthalmology, University of London, London, UK
22. JII WDC507: JII Plant Virus Collection, John Innes Institute Norfolk, NOR 70F, United Kingdom
23. VI WDC442: Jordan Vaccine Institute, Amman, Jordan
24. KEMH WDC11 : KEMH Department of Microbiology, King Edward Memorial Hospital for Women Subiaco, West Australia, 6014, Australia
25. KUKENS WDC101: Centre for Research and Application of Culture, Collections of Microorganisms, Istanbul Faculty of Medicine, Microbiology Department, Turkey
26. MHH WDC429: Institute of Virology, Medizinische Hochschule, Hannover, FRG
27. NBIMCC WDC135: National Bank for Industrial Microorganisms and Cellular, Cultures, National Biotechnological Centre, Sofia, Bulgaria
28. NCAIM WDC485: National Collection of Agricultural and Industrial, Microorganisms, University of Horticulture and Food Industry, Department of Microbiology and Biotechnology Budapest, H-1118 Republic of Hungary
29. RCAT WDC425: Regional Collection of Animal Viruses and Tissue Cultures; Virus Laboratory, Public Health Station Baranya, Republic of Hungary
30. RIPO WDC516: Virus Collection, Research Institute for Plant Protection, Wageningen, The Netherlands
31. RITFC WDC625: Research Institute for Tobacco and Fibre Crops Malang, Republic of Indonesia
32. SFBR WDC519: Virus Reference Laboratory, Simian Viruses, San Antonio, Texas, USA
33. SVIEC WDC734: Secao de Virus, Instituto Evandro Chagas, Belem, Brazil
34. UJB WDC619: University of Jaffna, Botany, Sri Lanka

35. VKPM WDC588: Russian Collection of Industrial Microorganisms, Institute of Genetics and Selection of Industrial, Microorganisms Moscow, 113545, Russian Federation
36. VRIT WDC82 : Virus Research Institute Nonthaburi, 11000, Kingdom of Thailand
37. VRLI WDC398: Department of Virology, University of Ibadan, Nigeria
38. YARU WDC395: Yale Arbovirus Research Unit, New Haven, Connecticut

Bacterial Collections

1. ABKMI WDC698: Department of Applied Biology, Faculty, King Mongkut's Institute of Technology, Chaokun Taharn Lat Krabang, Thailand
2. AC WDC51 : Research Station, Agriculture Canada, Sidney BC Canada
3. ACA-DC WDC609: Agricultural College of Athens-Dairy culture, Laboratory of Dairy Microbiology, Agricultural Univ. of Athens, Greece
4. ACAM WDC571: The Australian Collection of Antarctic Microorganisms, Department of Agricultural Science, University of Tasmania, Australia
5. ACCC WDC572: Agricultural Culture Collection of China, Institute of Soils and Fertilizers, CAAS Beijing, 100081, The People's Republic of China
6. ACRCC WDC357: Research Center, Agriculture Canada, London Ont. Canada
7. ADRI WDC743: ADRI Culture Collection Nepean, Ontario, K2H 8P9 Canada
8. AHLDA WDC334: Animal Health Division Culture Collection, Department of Agriculture, Perth, Australia
9. AHRL WDC83 : Animal Health Research Laboratory, CSIRO, Division of Animal Health, Victoria, Australia
10. AHU WDC635: AHU Culture Collection, Faculty of Agriculture Hokkaido University, Japan
11. AIRCS WDC622: Australian Inoculants Research and Control Service, NSW Agriculture, Horticultural Research + Advisory Station, Gosford, Australia
12. ATU WDC636: Faculty of Agriculture, University of Tokyo, Dept. of Agricultural Chemistry, Faculty of Agriculture, The University of Tokyo
13. AWRI WD22 : The Australian Wine Research Institute,
14. BBPP WDC705: Bacteriology Branch, Plant Pathology and Microbiology Division, Department of Agricultural Science, Ministry of Agriculture and Cooperative Bangkok, Bang Khen, 10900 Kingdom of Thailand

15. BDUZ WDC17 : Biological Sciences, University of Zimbabwe, Harare, Republic of Zimbabwe
16. BGSC WDC573: Bacillus Genetic Stock Center Columbus OH, USA
17. BIOTECH WDC620: BIOTECH Microbial Culture Collection and, Services Laboratory, National Institutes of Biotechnology and Applied, Microbiology Laguna, Republic of the Philippines
18. BPIC WDC610: Benaki Phytopathological Institute Collection, Benaki Phytopathological Institute, Athens, Greece
19. BR WDC364: CNPBS Culture Collection, CNPBS - Centro Nacional de Pesquisa em Biologia do Solo EMBRAPA Rio de Janeiro, 23851, Republic of Brazil
20. BRCC WDC540: Beltsville Rhizobium Culture Collection, United States Department of Agriculture, Agricultural Research Service, Nitrogen Fixation and Soybean Genetics Beltsville, Maryland, USA
21. BRI WDC366: Starter Collection of the Valio Laboratory, Valio Laboratory Helsinki, Republic of Finland
22. BSMB WDC491: Bacteriology and Soil Microbiology Branch, Div. Plant Pathology, Dept. of Agriculture, Bangkok, Kingdom of Thailand
23. BTCC WDC66 : Bulgarian Type Culture Collection, Institute for State Control of Drugs, Sofia, Bulgaria
24. CAIR WDC623: Center for the Application of Isotopes and Radiation, Jakarta, Republic of Indonesia
25. CAPM WDC181: Collection of Animal Pathogenic Microorganisms, Veterinary Research Institute Brno, The Czech Republic
26. CB WDC57 : The CB Rhizobium Collection, C.S.I.R.O., Division of Tropical Crops and Pastures, Australia
27. CBRI WDC240: Chemistry and Biology Research Institute, Biosystematics Research Center Agriculture Canada, Ottawa, Canada
28. CBS WDC133: Centraalbureau voor Schimmelcultures, Baarn, Netherlands
29. CC WDC61 : CSIRO Canberra Rhizobium Collection, Division of Plant Industry, CSIRO, Australia
30. CCDAM WDC146: Institute for Microbiology und Landscape Ecology, Justus-Liebig-Universitat, Giessen, Federal Republic of Germany
31. CCDMBI WDC119: Culture Collection, Department of Microbiology, Bose Institute, Calcutta, India
32. CCM WDC65 : Czechoslovak Collection of Microorganisms, Masaryk University, Brno, Czech Republic

33. CCMA WDC307: Coleccion Catedra Microbiologia Agricola, Facultad Agronomis , Buenos Aires Argentina
34. CCMCU WDC559: Culture Collection of Microorganisms, Department of Microbiology, (Escuela Tecnica Superior de Ingenieros Agronomos), Madrid, Spain
35. CCMI WDC761: Culture Collection of Industrial Microorganisms, Industrial Microbiology, National Institute of Industrial Technology (INETI), Lisbon, Portugal
36. CCSIA WDC576: Culture Collection of Sichuan Industrial, Institute Antibiotics, Sichuan Industrial Institute of Antibiotics, China
37. CCTM WDC475: Centre de Collection de Type Microbien, Institut de Microbiologie Universite de Lausanne, Switzerland
38. CCVCC WDC612: China Center For Virus Culture Collection, Wuhan Institute of Virology, Academia Sinica, China
39. CENACUMI WDC757: Centro Nacional de Cultivos Microbianos, (National Center For Microbial Cultures), Mexico City, Mexico
40. CERS WDC482: Colecao de Estirpes de Rhizobium spp., Instituto Agronomico de Campinas, Brazil
41. CFBP WDC639: Collection Francaise des Bacteries Phytopathogenes, Institut National de la Recherche Agronomique station de, Pathologie Vegetale et Phytobacteriologie, Beaucouze, France
42. CFQ WDC100: Cepario de la Facultad de Quimica, Universidad Nacional Autonoma de Mexico (UNAM), Mexico
43. CGVCC WDC613: Centre for General Viruses Culture Collection, Wuhan Institute of Virology Academia Sinica, China
44. CHULA WDC511: Microbiology Department, Faculty of Science, Faculty of Science, Bangkok, Thailand
45. CIAT WDC536: CIAT Rhizobium Collection, Centro Internacional de Agricultura Tropical, Cali, Columbia
46. CICC WDC582: Center for Industrial Culture Collection, Scientific Reasearch Institute of Food and Fermentation Industry, Ministry of Light Industry Beijing, People's Republic of China
47. CICV WDC33 : Centro de Investigaciones en Ciencias Veterinarias, Buenos Aires, Argentina
48. CIMSC WDC424: Collezione Instituto di Microbiologia, Spedali Civili Brescia, Italy
49. CIP WDC759: Collection des Bacteries de i'Institut Pasteur, INSTITUT PASTEUR, Paris, France
50. CIPDE WDC462: Collection of Insect Pathogens, Dept. of Entomology, Marathwada Agricultural University, Maharashtra, India
51. CIPT WDC346: Collection Institut Pasteur Tuberculose, Institut Pasteur Paris France

52. CISM WDC75 : NifTAL Rhizobium Collection (Asia Center), University of Hawaii NifTAL Project, Bangkok, 10903 Kingdom of Thailand
53. CMCC(B) WDC123: National Center for Medical Culture Collections, National Institute for the Control of Pharmaceutical and, Biological Products, Beijing, People's Republic of China
54. CMKKU WDC684: Clinical Microbiology Unit, Faculty of Medicine, Kohn Kaen University, Muang, Thailand
55. CNCM WDC174: Collection Nationale de Cultures de Microorganismes, Institut Pasteur, Paris France
56. CPZ WDC275: Centro Panamericano de Zoonosis, Organizacion Mundal et Salud Buenos Aires, Argentina
57. CRBF WDC741: Collection de genomes d'organismes symbiotiques, Centre de Recherche en Biologie Forestiere (CRBF) Quebec, Canada
58. CRL WDC614: Centro de Referencia Para Lactobacilos, Centro de Referencia Para Lactobacilos (CERELA), Tucuman, Argentina
59. CSCC WDC113: CSIRO Starter Culture Collection, CSIRO Division of Food Science & Technology, Victoria, Australia
60. CSMA WDC147: Centro di Studio dei Microorganismi Autotrofi - CNR, Istituto di Microbiologia Agraria e Tecnica Universita, degli Studi - Firenze, Italy
61. CUETM WDC553: Collection Unite Ecotoxicologie Microbienne, INSERM, Villeneuve de Ascq, France
62. CVCC WDC129: Center for Veterinary Culture Collection, The Control Institute of Veterinary Bioproducts, and Pharmaceuticals, Beijing, People's Republic of China
63. CY WDC7 : Centre des Yersinia, Institut Pasteur, Paris, France
64. DA WDC354: Soil Microbiology, Iowa State University, Department of Agronomy, USA
65. DACT WDC496: Dept. Agricult. Chem. Technol., Technical University of Budapest, Hungary
66. DAR WDC365: Plant Pathology Branch Herbarium, NSW, Agriculture, Biological and Chemical Research Institute Rydalmere, New South Wales, Australia
67. DBKKU1 WDC687: Department of Biology, Faculty of Science, Khon Kaen University, Muang, Kingdom of Thailand
68. DBKKU3 WDC689: Department of Biology, Faculty of Science, Khon Kaen University, Muang, Kingdom of Thailand
69. DBMU WDC665: Department of Biochemistry, Faculty of Science, Mahidol University, Bangkok, Thailand

70. DBUM; IPT WDC765: Department of Biochemistry, Faculty of Medicine University of Malaya, University of Malaya, Kuala Lumpur, Malaysia
71. DBV WDC173: Division of Standardisation, Indian Veterinary Research Institute, Uttar Pradesh, Norfol, India
72. DBVU WDC312: Department of Botany, Victoria University of Wellington, Wellington, New Zealand
73. DE-CSIRO WDC70 : CSIRO Insect Pathogen Culture Collection, Commonwealth Scientific and Industrial Research Organisation, Division of Entomology, Canberra, Australia
74. DMAC WDC360: Department of Microbiology, Swedish University of Agricultural Sciences, Uppsala, Sweden
75. DMBUK WDC564: Department of Microbiology, University of Kelaniya, Kelaniya, Sri Lanka
76. DMCCUM WDC21 : Microbiology Department Culture Collection, University of Melbourne, Australia
77. DMCCUS WDC478: School of Biological Sciences Culture Collection, University of Surrey, Surrey, UK
78. DMCMU2 WDC694: Department of Microbiology, Faculty of Medicine, Chiang Mai University, Muang, Thailand
79. DMCU WDC663: Department of Microbiology, Faculty of Science, Chulalongkorn University, Bangkok, Thailand
80. DMCUWO WDC80 : Department of Microbiology UWO Collection, University of Western Ontario, Health Sciences Centre, London, Ontario Canada
81. DMIV WDC64 : Department of Microbiology and Immunology, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand
82. DMKKU1 WDC680: Department of Microbiology, Faculty of Medical Science, Khon Kaen University, Muang, Kingdom of Thailand
83. DMKKU2 WDC681: Department of Microbiology, Faculty of Medical Science, Khon Kaen University, Muang, Kingdom of Thailand
84. DMKU WDC669: Department of Microbiology, Faculty of Science, Kasetsart University, Bangkok, Thailand
85. DMMU1 WDC666: Department of Microbiology, Faculty of Science, Mahidol University, Bangkok, Thailand
86. DMMU2 WDC667: Department of Microbiology, Faculty of Science, Mahidol University, Bangkok, Thailand
87. DMMU3 WDC668: Division of Mycology, Department of Microbiology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand

88. DMPMC WDC454: Department of Microbiology, Queen Elizabeth II Medical Centre, Nedlands, Western Australia, Australia
89. DMS WDC707: Clinical Pathology Division, Department of Medical Science, Ministry of Public Health, Nonthaburi, Thailand
90. DMSRDE WDC166: DMSRDE Culture Collection, DRDO New Delhi, India
91. DMUIJ WDC472: Department of Microbiology, University of Indonesia, Jakarta, Indonesia
92. DMUM WDC89 : Department of Microbiology, University of Manitoba, Winnipeg, Canada
93. DMVB WDC194: Department of Microbiology, Veterinary Branch of National Strain Collection, The Veterinary Research Institute, Pulawy, Poland
94. DVMI WDC41 : Department of Veterinary Microbiology and Immunology, University of Guelph, Guelph, Canada
95. EPKKU1 WDC682: Department of Entomology and Plant, Khon Kaen University Muang, Kingdom of Thailand
96. ERAEP WDC706: Radiation Ecology Section, Biological Science Division, Office of Atomic Energy for Peace, Ministry of Science Technology and Energy, Bangkok, Thailand
97. FBGMU WDC629: Faculty of Biology, Gadjah Mada University, Yogyakarta, Indonesia
98. FHVC WDC451: Fairfield Hospital Bacterial Culture Collection, Fairfield Hospital, Clinical Pathology Department, Victoria, Australia
99. FIE WDC314: Culture Collection, Institut für Pflanzenschutzforschung, Potsdam-Land FRG
100. FRI WDC45 : Food Research Institute, Victoria, Australia
101. FTCMU WDC690: Department of Food Science and Technology, Faculty of Agriculture, Chiang Mai University, Muang, Thailand
102. FTK WDC38 : Forintek Culture Collection of Wood-inhabiting Fungi, Forintek Canada Corp., Biotechnology and Chemistry Department. Ottawa, Canada
103. FTPT WDC109: Tropical Culture Collection, Fund. Trop. Pesq. Tecn. "Andre Tosello", Sao Paulo Federative Republic of Brazil
104. GAM WDC283: Grupo Actinomicetales Merida, Universidad de Los Andes, Merida, Venezuela
105. GCC WDC230: Guinness Culture Collection, Guinness PLC, Dublin, Ireland
106. GCL WDC295: Central Laboratories, Ministry of Health Jerusalem, Israel
107. GIFU WDC305: Gifu University Culture Collection, Department of Microbiology, Gifu University School of Medicine, Japan
108. GLMI WDC202: Glaxo Research and Development Culture Collection, Biology Division, Glaxo Research and Development, Medicines Research Centre Stevenage Herts. England

109. HER WDC6 : Felix d'Herelle Reference Center for Bacterial Viruses, Department of Microbiology, Faculty of Medicine, Laval University, Laval, Canada
110. HIPU WDC418: Bakterienstammsammlung H.I.M., Institut fuer Med. Mikrobiologie, Klinikum der Philipps-Universitat, Marburg, FRG
111. HNCMB WDC258: Hungarian National Collection of Medical Bacteria, National Institute of Hygiene, Budapest, Hungary
112. HUT WDC195: Department of Fermentation Technology, Faculty of Engineering, Hiroshima University, Hiroshima, Japan
113. IAL WDC282: Secao de Colecao de Culturas, Instituto Adolfo Lutz, Sao Paulo, Brazil
114. IAM WDC190: Institute of Applied Microbiology, University of Tokyo, Tokyo, Japan
115. IBSBF WDC110: Secao de Bacteriologia Fitopatologica, Instituto Biologico, Sao Paulo, Brazil
116. ICAITI WDC37 : Coleccion de Microorganismos del Instituto Centroamericano, Instituto Centroamericano de Investigacion y Tecnologia, Industrial-ICAIT, Guatemala City, Guatemala
117. ICCF WDC232: Collection of Industrial Microorganisms, Institutul de Cercetari Chimico-Farmaceutice , Bucharest, Romania
118. ICMP WDC589: International Collection of Microorganisms from Plants, Plant Diseases Division, DSIR, Auckland, New Zealand
119. IEBC WDC590: International Entomopathogenic Bacillus Centre (WHO), INSTITUT PASTEUR Unit Bactéries Entomopathogènes, Paris, France
120. IEMVT WDC54 : Collection de L'I.E.M.V.T., Institut D'elevage et de Medecine Veterinaire Des Pays, Tropicaux/Cirad, Maisons-Alfort, France
121. IFAM WDC145: Institut fur Allgemeine Mikrobiologie, University of Kiel, Kiel, Germany
122. IFBM WDC253: Streptokokken Sammlung, Institut fur Hygiene an der Bundesanstalt fur, Milchforschung, Kiel, FRG
123. IFM WDC60 : Research Center for Pathogenic Fungi and Microbial Toxicoses, Chiba University, Japanese Federation of Culture Collections, Chiba, Japan
124. IFO WDC191: Institute for Fermentation, Osaka, Japan
125. IFPRD WDC676: Institute of Food Research and Product Development, Kasetsart University, Thailand
126. IIBM-UNAM WDC48 : Industrial Culture Collection, Instituto de Investigaciones Biomedicas, Mexico
127. IID WDC208: Laboratory Culture Collection, Institute of Medical Science, University of Tokyo, Tokyo, Japan
128. IITA WDC484: The IITA Collection of Cultures of Rhizobium, International Institute of Tropical Agriculture, Ibadan, Nigeria

129. IMD WDC227: Industrial Microbiology Dublin, Dept. of Industrial Microbiology, University College, Dublin, Ireland
130. IMET WDC217: IMET, Zentralinstitut für Mikrobiologie und Experimentelle Therapie, Jena, FRG
131. IMVS WDC471: Clinical Microbiology Culture Collection, Institute of Medical and Veterinary Science, Adelaide, Australia
132. IMYZA WDC31 : Instituto de Microbiología y Zoología Agrícola, Instituto Nacional de Tecnología Agropecuaria Buenos Aire, Argentina
133. INDRE WDC121: Pathogen Fungi and Actinomycetes Collection, Instituto Nacional de Diagnostico y Referencia Epidemiologica, S. S., Mexico
134. INRA WDC368: Microbiologie des Sols, Institut National de la Recherche Agronomique, Dijon, France
135. IPF WDC212: Collection of Industrial Microorganisms, Institute of Agro-Food Biotechnology, Warsaw, Poland
136. ISC WDC63 : International Salmonella Centre (W.H.O.), Institut Pasteur, Paris, France
137. ISRI WDC630: Indonesian Sugar Research Institute, Pasuruan, Indonesia
138. ITA WDC355: Bacteriology Laboratory, Tasmanian Department of Agriculture, Australia
139. ITAL WDC143: Banco de Fermentos Lacticos, Food Technology Institute (ITAL) Sao Paulo, Brazil
140. ITBCC WDC44 : Institute of Technology Bandung Culture Collection, Laboratory for Microbiology & Fermentation Technology, West Java, Indonesia
141. ITD WDC99 : Coleccion de Cepas Microbianas, Instituto Tecnológico de Durango, Mexico
142. ITDI WDC503: Industrial Technology Development Institute, Taguig, Republic of the Philippines
143. TH WDC196: W.H.O./F.A.O. Collaborating Centre for Reference and, Research in Leptospirosis, Royal Tropical Institute, Dept. of Tropical Hygiene, Amsterdam, The Netherlands
144. JCM WDC567: Japan Collection of Microorganisms, RIKEN, Japan
145. JCT WDC387: James Cook, Townsville, James Cook University Queensland, Australia
146. JVI WDC442: Jordan Vaccine Institute, Amman, Jordan
147. KEMH WDC11 : KEMH Department of Microbiology, King Edward Memorial Hospital for Women, Subiaco, Australia
148. KKKU WDC23 : MICKKU Culture Collection, Microbiology Department, Faculty of Science Khon Kaen University, Muang, Thailand

149. KMM WDC644: Collection of Marine Microorganisms, Pacific Institute of Bioorganic Chemistry (PIBOC) Vladivostok, Russian Federation
150. KUKENS WDC101: Centre for Research and Application of Culture, Collections of Microorganisms, Istanbul Faculty of Medicine, Microbiology Department, Istanbul, Turkey
151. LCC WDC231: Laboratoire des Collections of Cultures, Chaire de Microbiologie Technique, Olsztyn, Poland
152. LCC WDC742: Labatt Culture Collection Production Research Department, Labatt Brewing Company Ltd., London, Canada
153. LCDC WDC156: Laboratory Centre for Disease Control, Health and Welfare Canada, Ottawa, Canada
154. LE WDC313: Servico de Microbiologia e Imunologia, Faculdade de Ciencias Medicas - UERJ
155. LFBFIOCRUZ WDC574: Laboratorio de Fisiologia Bacteriana, Departamento de Bacteriologia, Fundacao Oswaldo Cruz - Instituto Oswaldo Cruz, Rio de Janeiro, Brazil
156. LIPP WDC345: Leptospirotheque, Institut Pasteur, Paris, France
157. LMAU WDC381: Laboratory of Microbiology, Agricultural University, Wageningen, The Netherlands
158. LMD WDC127: Culture Collection, Laboratory of Microbiology and Enzymology, Delft University of Technology, Delft, Netherlands
159. LMG WDC296: Laboratorium voor Microbiologie Universiteit Gent - Culture, Collection, UNIVERSITEIT GENT - LABORATORIUM VOOR MICROBIOLOGIE, Ghent, Belgium
160. LMP WDC14 : Laboratory of Microbiology and Pathology, Department of Health
161. LMS WDC530: Carolina Biological Supply Co., Burlington, USA
162. LOCK WDC105: Centre of Industrial Microorganisms Collection, Institute of Fermentation Technology and Microbiology, Gdanska, Poland
163. LRC WDC545: Research Centre, Agriculture Canada, London, Canada
164. LRL WDC327: Lilly Culture Collection, Eli Lilly and Company, Indianapolis, USA
165. LTI WDC554: Cryobank of Microorganisms-Destructors, Department of Molecular biotechnology, Leningrad Lensoviet Institute of Technology, Leningrad, Russia
166. MAO WDC53 : Mircen Afrique Ouest, ISRA-CNRA, Bambey, Senegal
167. MAR WDC34 : Grasslands Rhizobium Collection, Soil Productivity Research Laboratory Marondera, Republic of Zimbabwe
168. MCC-UPLB WDC39 : Microbial Culture Collection, Museum of Natural History, University of the Philippines Los Banos, Laguna, Philippines
169. MCITM WDC400: Bacterial Culture Collection, Institute Tropical Medicine, Antwerp, Belgium

170. MCM WDC561: MACS Collection of Microorganisms, MACS Research Institute, Pune, India
171. MCML WDC339: McMaster Culture Collection, CSIRO Division of Animal Health, Melbourne, Australia
172. MLLD WDC702: Microbiological Research Laboratory, Soil and Water Section, Department of Land Development, Ministry of Agriculture and Cooperative, Bangkok, Thailand
173. MLRU WDC695: Microbiology Laboratory, Department of Biology, Faculty of Science, Ramkamhaeng University, Bangkok, Thailand
174. MPKV WDC448: Biological Nitrogen Fixation Project, College of Agriculture, Mahatma Phule Agricultural University, Pune India
175. MPSU WDC492: Department of Microbiology, Faculty of Science, Prince of Songkla University, Songkla, Thailand
176. MR WDC542: MR Culture Collection of Microorganisms, Institute for Microbial Resources, Tokyo, Japan
177. MSCMU WDC692: Microbiology Section, Department of Biology, Faculty of Science, Chiang Mai University, Muang, Thailand
178. MSDS WDC494: Microbiology Section, Biological Science Division, Department of Science Services, Ministry of Science Technology and Energy, Bangkok, Thailand
179. MSUB WDC422: Institute of Microbiology, University of Bologna, Bologna, Italy
180. MTKKU WDC685: Department of Clinical Microbiology, Faculty of Medical Technology, Khon Kaen University, Muang, Thailand
181. MUL WDC250: Department of Microbiology MUL-B 250, Faculty of Medicine, Laval University, Laval, Canada
182. NAVAL WDC594: Naval Medical Research Unit No. 2, San Lazapu Hospital, Manilla, Philippines (SPONSORS U.S.Naval Medical Research and Development Command, USA)
183. NBIMCC WDC135: National Bank for Industrial Microorganisms and Cellular, Cultures, National Biotechnological Centre, Sofia, Bulgaria
184. NCB WDC175: National Culture Bank, Dip. Biologia Applicata Difesa Piante - University, Udine, Italy
185. NCIM WDC3 : National Collection of Industrial Microorganisms, Division of Biochemical Sciences National Chemical, Laboratory (SCIR), Pune, India
186. NCIMB WDC653: National Collections of Industrial and Marine Bacteria, Limited, Aberdeen University Research and Industrial Services, (AURIS) Ltd. Aberdeen, Scotland
187. NCPF WDC184: National Collection of Pathogenic Fungi, PHLS Mycological Reference Laboratory, Central Public Health Laboratories, London, UK

188. NCPPB WDC126: National Collection of Plant Pathogenic Bacteria, Central Science Laboratory, Hertfordshire, UK
189. NCSC WDC664: National Center of Streptococcus Collection, Department of Microbiology, Faculty of Medical Science, Chulalongkorn University, Bangkok, Thailand
190. NCTC WDC154: National Collection of Type Cultures, PHLS Central public Health Laboratory, London, UK
191. NGR WDC356: Plant Pathology, Department of Primary Industry, Port Moresby, Papua New Guinea
192. NHL WDC67 : Culture Collection, Division of Microbiology, National Institute of Hygienic Sciences, Tokyo, Japan
193. NIAH WDC638: National Institute of Animal Health, Tsukuba, Japan
194. NIAS WDC243: National Institute of Agro-Environmental Sciences, Tsukuba, Japan
195. NRC WDC242: Division of Biological Sciences, National Research Council of Canada, Ottawa, Canada
196. NRPSU WDC679: Department of Agro-industry, Faculty of Natural Resources, Prince of Songkhla University, Songkhla, Thailand
197. NSCNFB WDC754: Novi Sad Collection of Nitrogen Fixing Bacteria, Institute of Field and Vegetable Crops, Vojvodina, Yugoslavia
198. NTCCI WDC107: Culture Collection, Microbiology and Cell Biology Laboratory, Indian Institute of Science, Bangalore, India
199. NUA WDC281: Department of Microbiology National University of Athens, Dept. of Microbiology, University of Athens, Athens, Greece
200. NUSDM WDC568: Department of Microbiology, National University of Singapore, Singapore
201. NZFS WDC62 : New Zealand Forest Research Institute Culture Collection, Forest Research Institute New Zealand
202. NZRD WDC318: New Zealand Reference Culture Collection of Microorganisms, Dairy Section, New Zealand Dairy Research Institute, New Zealand
203. NZRM WDC457: New Zealand Reference Culture Collection, Medical Section, New Zealand Communicable Disease Centre, Porirua, New Zealand
204. NZRP WDC335: New Zealand Reference Culture Collection and Soil Section, Auckland, New Zealand
205. OCM WDC592: Oregon Collection of Methanogens, Oregon Graduate Institute, Portland, Oregon, USA
206. PBF WDC633: Perum Bio Farma, Bandung, Indonesia

- 207.PCM WDC106: Polish Collection of Microorganisms, Institute of Immunology and Experimental Therapy Polish, Academy of Sciences, Wroclow, Poland
- 208.PCU WDC662: Pharmaceutical Science, Department of Microbiology, Faculty of Pharmaceutical, Chulalongkorn University, Bangkok, Thailand
- 209.PD WDC618: Culture Collection of Plant Pathogenic Bacteria, Department of Bacteriology, Plant Protection Service (PD), Ministry of Agriculture and Fisheries, Wageningen, The Netherlands
- 210.PDDCC WDC52 : Plant Diseases Division Culture Collection, Plant Diseases Division, Auckland, New Zealand
- 211.PHBL WDC508: Philip Harris Biological Ltd., Avon, UK
- 212.PIR WDC373: Bulgarian Research Culture Collection, N. Poushkarov-Institute of Soil Science and Yield, Prediction, Bulgaria
- 213.PPKMI WDC699: Plant Production Technology Department, Faculty of Agricultural Technology, King Mongkut's Institute of Technology, Chaokun Taharn Lat Krabang, Bangkok, Thailand
- 214.PPKU2 WDC671: Department of Plant Pathology, Faculty of Agriculture, Kasetsart University, Muang, Thailand
- 215.PPKU3 WDC672: Department of Plant Pathology, Faculty of Agriculture, Kasetsart University, Muang, Thailand
- 216.PPKU4 WDC673: Department of Plant Pathology, Faculty of Agriculture, Kasetsart University, Muang, Thailand
- 217.PPKU6 WDC675: Department of Plant Pathology, Faculty of Agriculture, Kasetsart University, Muang, Thailand
- 218.PRFC WDC501: Plasmid Reference Center, Dept. of Medical Microbiology, Stanford Uni. Sch. of Medicine, Stanford, California
- 219.PROIMI WDC587: Planta Piloto de Procesos Industriales Microbiologicos, Planta Piloto de Procesos Industriales Microbiologicos, (PROIMT), Tucuman, Argentina
- 220.PTTC WDC678: Pranakorn Teacher Training College, Department of Biology, Faculty of Science and Technology, Bangkok, Thailand
- 221.PVF WDC628: Pusat Veterinaria Farma, Surabaya, Indonesia
- 222.RAC WDC98 : Microbiology Teaching Coll., Roseworthy Agricultural College, Roseworthy, Australia
223. RHMU WDC15 : Ramathibodi Hospital, Mahidol University (Department of Pathology), Bangkok, Thailand
224. RIA WDC337: The Russia Research Institute for Antibiotics, Culture Collection, Russia Research Institute for Antibiotics, Moscow, Russian Federation
225. RIB WDC640: National Research Institute of Brewing, Tokyo, Japan

226. RIMD WDC301: Research Institute for Microbial Diseases, Osaka University, Osaka, Japan
227. RITFC WDC625: Research Institute for Tobacco and Fibre Crops, Malang, Indonesia
228. RLSCC WDC167: CSR Central Laboratory, Colonial Sugar Refining Co. Ltd., Pyrmont, Australia
229. RM WDC764: Rumen Microorganisms, Grasslands Research Centre, Agresearch, Palmerston North, New Zealand
230. RV WDC421: Collection of *Leptospira* Strains, Istituto Superiore di Sanita, Rome, Italy
231. RYCC WDC111: Roseworthy Yeast Culture Collection, Roseworthy Agricultural College, Roseworthy, Australia
232. SAITP WDC569: School of Pharmacy and Medical Sciences, University of South Australia, SA Institute of Technology, Australia
233. SAMCC WDC322: South African Mycobacterial Culture Collection, Tuberculosis Research Institute, Pretoria, South Africa
234. SARC WDC600: South African Rhizobium Collection, Plant Protection Research Institute, Pretoria, South Africa
235. SCC-SCF WDC87 : Schering-Plough Research Institute, Schering Corporation, Kenilworth, NJ, USA
236. SEMIA WDC443: FEPAGRO/MIRCEN Rhizobium Culture Collection, Porto Alegre, Brazil
237. SGSC WDC338: Salmonella Genetic Stock Centre, Department of Biology Sciences, University of Calgary, Calgary, Canada
238. SKUK WDC565: Simpanan Kultur Universiti Kebangsaan, National University of Malaysia, Dept. of Microbiology, Malaysia
239. SMCC WDC93 : Soil Microbiology Culture Collection, CSIRO, Division of Soils, Australia
240. SMRG WDC703: Soil Microbiology Research Group, Division of Soil Science, Department of Agriculture, Ministry of Agriculture and Cooperative, Bangkok, Thailand
241. SMTWA WDC90 : School of Medical Technology Western Australia, Curtin University of Technology, Australia
242. SPMCC WDC624: Sungei Putih Microbial Culture Collection, Sungei Putih Research Center for Estate Crops, Medan, Indonesia
243. SSCMU WDC693: Soil Science and Conservation Department, Faculty of Agriculture, Chiang Mai University, Muang, Thailand
244. SSIC WDC158: Collaborating Centre for Reference and Research, on *Escherichia* and *Klebsiella*, Statens Serum Institute, Copenhagen, Denmark

245. SSKKU WDC683: Department of Soil Science, Faculty of Agriculture, Khon Kaen University, Muang, Thailand
246. SSMII WDC700: Science Section, Department of General Education, Faculty of Agriculture Business, Maejo Institute of Agriculture, Sansai, Thailand
247. SWU1 WDC696: Department of Biology, Faculty of Science, Sri Nakariniwrote University (Phitsanulok) Thailand
248. SW U2 WDC697: Department of Biology, Faculty of Science, Sri Nakariniwrote University (Bang Khen) Thailand
249. TAL WDC506: NIFTAL Rhizobium Germplasm Resource, NIFTAL Project and MIRCEN, Paia, Hawaii, USA
250. TCMM WDC661: Thai Collection of Medical Microorganism, Department of Pathology, Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand
251. TISTR WDC383: TISTR Culture Collection, Bangkok MIRCEN, Thailand Institute of Scientific and Technological, Research, Thailand
252. TMC WDC551: Mycobacterial Culture Collection, National Jewish Hospital, Denver, Colorado, USA
253. UAMH WDC73 : University of Alberta Microfungus Collection and Herbarium, University of Alberta, Canada
254. UBFFTD WDC562: Food and Fermentation Technology Division, University of Bombay, Dept. of Chemical Technology, Bombay, India
255. UC(Chile) WDC291: Laboratory of Microbiology and Immunology, Department of Cellular Biology, Catholic University of Santiago, Institute of Biological Sciences, Santiago, Chile
256. UCCM WDC652: University of Calabar Collection of Microorganisms, University of Calabar, Calabar, Nigeria
257. UCGE WDC660: Unit Cell of Genetic Engineering, Department of Biochemistry, Chulalongkorn University, Bangkok, Thailand
258. UCLAF WDC552: UC, Roussel UCLAF, Romainville, France
259. UICC WDC563: University of Indonesia Culture Collection, FMIPA, University of Indonesia, Indonesia
260. UJB WDC619: University of Jaffna, Botany, Jaffna, Sri Lanka
261. UKKP WDC43 : Universiti Kebangsaan Kultur Perubatan, Universiti Kebangsaan, Malaysia
262. UMRC WDC125: University of Minnesota Rhizobium Collection, University of Minnesota, Dept. of Soil Science, USA
263. UNK WDC49 : Culture Collection, University of Nairobi, Nairobi, Kenya

264. UNSW WDC248: Culture Collection, School of Microbiology, University of New South Wales, Australia
265. UPCC WDC310: Natural Sciences Research Institute Culture Collection, University of the Philippines, Philippines
266. UPMR WDC25 : Rhizobium Collection, Department of Soil Science, Universiti Pertanian, Malaysia
267. UPRM WDC76 : Rhizobium Culture Collection, University of Puerto Rico, Mayaguez, Puerto Rico, USA
268. UQM WDC13 : University of Queensland Microbial Culture Collection, Department of Microbiology Australia
269. USDB WDC510: Botany Department (Culture) Mycological Collection, National University of Singapore, Singapore
270. USDM WDC509: Microbiology Culture Collection, Department of Molecular Biology and Biotechnology, University of Sheffield, UK
271. UWO WDC91 : Department of Plant Sciences, University of Western Ontario, London, Ontario, Canada
272. VCP WDC570: Victorian College of Pharmacy, Victoria, Australia
273. VCRC WDC144: Volcani Center Rhizobium Collection (VCRC), Dept. of Legume Inoculation, Agriculture Research Organization, The Volcani Center, Bet Dagan, Israel
274. VKM WDC342: All-Russian Collection of Microorganisms, Institute of Biochemistry and Physiology of Microorganisms, Russian Academy of Sciences, Moscow, Russian Federation
275. VSB WDC544: Veterinary Pathology Bacteriology, University of Sydney, Sydney, Australia
276. VTT WDC139: VTT Collection of Industrial Microorganisms, VTT, Biotechnical Laboratory, Espoo, Finland
277. WA WDC77 : Plant Research Division Culture Collection, Western Australian Department of Agriculture, Australia
278. WACC WDC452: Western Australian Culture Collection, State Health Laboratory Service, Australia
279. WAITE WDC35 : Insect Pathology Pathogen Collection, WAITE Agricultural Research Institute, Adelaide, Australia
280. WCLRNY WDC330: Wadsworth Center for Laboratories and Research, Albany, NY, USA
281. WCUM WDC56 : Working Collection, University of Maryland, USA
282. WIM WDC382: LL - Collection, Waksman Institute of Microbiology, Rutgers University, Piscataway, USA

- 283. WPBS WDC607: WPBS Rhizobium Collection, WELSH Plant Breeding Station, Aberystwyth, UK
- 284. WR WDC447: Azotobacteraceae Collection, Queensland Wheat Research Institute, Australia
- 285. WRL WDC142: The Wellcome Bacterial Collection, The Wellcome Foundation Limited, Kent, UK
- 286. WVDH WDC411: West Virginia Hygienic Laboratory, West Virginia Department of Health, USA
- 287. ACC WDC1: American Type Culture Collection, USA

Fungal Collections

- 1. ABKMI WDC698: Department of Applied Biology, Faculty, King Mongkut's Institute of Technology, Chaokun Taharn Lat Krabang, Thailand
- 2. AC WDC51 : Research Station, Agriculture, Sidney BC Canada
- 3. ACCC WDC572: Agricultural Culture Collection of China, Institute of Soils and Fertilizers, CAAS Beijing, 100081, The People's Republic of China
- 4. ACH WDC47 : Mycology Culture Collection, Adelaide Children's Hospital, North Adelaide, Australia
- 5. ACRCC WDC357: Research Center, Agriculture Canada London Ont. Canada
- 6. AHU WDC635: AHU Culture Collection, Faculty of Agriculture Hokkaido University, Japan
- 7. AMMRL WDC42 : Australian National Reference Laboratory in, Medical Mycology, The Royal North Shore Hospital of Sydney, Australia
- 8. ARSEF WDC112: ARS Collection of Entomopathogenic Fungi, USDA - ARS Plant Protection Research, USA
- 9. ATCC WDC1 : American Type Culture Collection, USA
- 10. ATHUM WDC650: Athens University Mycology, University of Athens, Dept. of Biology, Athens, Greece
- 11. ATU WDC636: Faculty of Agriculture, University of Tokyo, Dept. of Agricultural Chemistry, Faculty of Agriculture, The University of Tokyo, Japan
- 12. AWRI WDC22 : The Australian Wine Research Institute, Urrbrae, Australia
- 13. BBLF WDC204: Institut für Pflanzenschutz im Forst, Biologische Bundesanstalt für Land- und Forstwirtschaft, Braunschweig, FRG
- 14. BDUZ WDC17 : Biological Sciences, University of Zimbabwe, Harare, Zimbabwe

15. BIOTECH WDC620: BIOTECH Microbial Culture Collection and, Services Laboratory, National Institutes of Biotechnology and Applied, Microbiology Laguna, Republic of the Philippines
16. BPIC WDC610: Benaki Phytopathological Institute Collection, Benaki Phytopathological Institute Athens, Greece
17. BSMB WDC491: Bacteriology and Soil Microbiology Branch, Div. Plant Pathology, Dept. of Agriculture
18. BTCC WDC66 : Bulgarian Type Culture Collection, Institute for State Control of Drugs, Sofia, Bulgaria
19. BTCC WDC632: Biotechnology Culture Collection, Pusat Penelitian dan Pengembangan Bioteknologi-LIPI, (Research and Development Center for Biotechnology, Indonesian Institute of Sciences), Indonesia
20. CAIR WDC623: Center for the Application of Isotopes and Radiation, Jakarta Selatan, Republic of Indonesia
21. CAIRO WDC583: Cairo Microbiological Resources Centre, Cairo MIRCEN, Egypt
22. CBS WDC133: Centraalbureau voor Schimmelcultures, Netherlands
23. CCBAS WDC558: Culture Collection of Basidiomycetes, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague, Czech Republic
24. CCDAM WDC146: Institute for Microbiology und Landscape Ecology, Justus-Liebig-Universitat Giessen, Federal Republic of Germany
25. CCDMBI WDC119: Culture Collection, Department of Microbiology, Bose Institute Calcutta, India
26. CCF WDC182: Culture Collection of Fungi, Department of Botany, Faculty of Science, Charles University, Prague, Czech Republic
27. CCFC WDC150: Canadian Collection of Fungus Cultures, Agriculture Canada, Biosystematics Research Centre, Ottawa, Canada
28. CCM WDC65 : Czechoslovak Collection of Microorganisms, Masaryk University, Brno, Czech Republic
29. CCM-A WDC29 : Coleccion de Cultivos Microbianos, Facultad de Farmacia y Bioquimica Buenos Aires, Argentina
30. CCMA WDC307: Coleccion Catedra Microbiologia Agricola, Facultad Agronomis, Buenos Aires Argentina
31. CCMAC WDC645: Culture Collection of Macromycetes, (Basidiomycotina and Ascomycotina), Institute of Toxicology and Forensic Chemistry, Charles University, Prague, Czech Republic
32. CCMCU WDC559: Culture Collection of Microorganisms, Department of Microbiology, (Escuela Tecnica Superior de Ingenieros Agronomos) Madrid, Spain

33. CCMi WDC761: Culture Collection of Industrial Microorganisms, Industrial Microbiology, National Institute of Industrial Technology (INETI) Lisbon, Portugal
34. CCRC WDC59 : Culture Collection and Research Center, Food Industry Research and Development Institute, Hsinchu, Taiwan
35. CCSIA WDC576: Culture Collection of Sichuan Industrial, Institute Antibiotics, Sichuan Industrial Institute of Antibiotics, China
36. CCTCC WDC611: China Center for Type Culture Collection, Wuhan University, China
37. CCUG WDC32 : Culture Collection, Department of Clin. Bacteriol, University of Goteborg, Department of Clinical Bacteriology, Goteburg, Sweden
38. CDBB WDC500: Coleccion del Departamento de Biotecnologia y, Bioingenieria, Centro de Investigacion y de Estudios Avanzados-IPN, Mexico
39. CECT WDC412: Coleccion Espanola de Cultivos Tipo, Departamento de Microbiologia, Facultad de Ciencias Biologicas Universidad de Valencia, Spain
40. CENACUMI WDC757: Centro Nacional de Cultivos Microbianos, (National Center For Microbial Cultures) Mexico City, Mexico
41. CFQ WDC100: Cepario de la Facultad de Quimica, Universidad Nacional Autonoma de Mexico (UNAM) Mexico
42. CGMCC WDC550: Centre for General Microbiological Culture Collection, China Committee for Culture Collections of Microorganisms, Institute of Microbiology, Academia Sinica, China
43. CHULA WDC511: Microbiology Department, Faculty of Science, Faculty of Science, Bangkok Thailand
44. CICC WDC582: Center for Industrial Culture Collection, Scientific Research Institute of Food and Fermentation Industry, Ministry of Light Industry, China
45. CICV WDC33 : Centro de Investigaciones en Ciencias Veterinarias, Buenos Aires, Argentina
46. CIPDE WDC462: Collection of Insect Pathogens, Dept. of Entomology, Marathwada Agricultural University, Maharashtra, India
47. CISM WDC95 : Verticillium dahliae from cotton, CIAN - INIFAP - SARH, Coah, Mexico
48. CMKKU WDC684: Clinical Microbiology Unit, Faculty of Medicine, Kohn Kaen University, Muang, Thailand
49. CNCM WDC174: Collection Nationale de Cultures de Microorganismes, Institut Pasteur, Paris, France
50. CNCTC WDC130: Czechoslovak National Collection of Type Cultures, National Institute of Public Health, Prague, Czech Republic
51. CRBF WDC741: Collection de genomes d'organismes symbiotiques, Centre de Recherche en Biologie Forestiere (CRBF) Quebec, Canada

52. CRCC WDC88 : Cereal Rust Culture Collection, University of Sydney, Sydney, Australia
53. CSCC WDC113: CSIRO Starter Culture Collection, CSIRO Division of Food Science & Technology Victoria, Australia
54. CSMA WDC147: Centro di Studio dei Microorganismi Autotrofi - CNR, Istituto di Microbiologia Agraria e Tecnica Università, degli Studi - Firenze, Italy
55. CUHK WDC68 : Biology Department, Chinese University of Hong Kong, Hong Kong
56. DA WDC354: Soil Microbiology, Iowa State University, Department of Agronomy, USA
57. DACT WDC496: Dept. Agricult. Chem. Technol., Technical University of Budapest, Hungary
58. DAR WDC365: Plant Pathology Branch Herbarium, NSW, Agriculture, Biological and Chemical Research Institute, Rydalmere, New South Wales, Australia
59. DBKKU1 WDC687: Department of Biology, Faculty of Science, Khon Kaen University, Muang, Thailand
60. DBKKU3 WDC689: Department of Biology, Faculty of Science, Khon Kaen University Muang, Thailand
61. DBMU WDC493: Department of Biotechnology, Faculty of Science, Mahidol University Bangkok, Thailand
62. DBUM;IPT WDC765: Department of Biochemistry, Faculty of Medicine University of Malaya, University of Malaya, Kuala Lumpur, Malaysia
63. DBV WDC173: Division of Standardisation, Indian Veterinary Research Institute, Uttar Pradesh, India
64. DBVU WDC312: Department of Botany, Victoria University of Wellington, Wellington, New Zealand
65. DE-CSIRO WDC70 : CSIRO Insect Pathogen Culture Collection, Commonwealth Scientific and Industrial Research Organisation, Division of Entomology, Canberra, Australia
66. DFF WDC50 : Forest Pathology Culture Collection, Pacific Forest Research Centre, Canadian Forestry Service, Department of Agriculture, Victoria, Canada
67. DFP WDC102: DFP Culture Collection, Division of Forest Products, Commonwealth Scientific and Industrial Research Organization, Division of Chemical and Wood Technology, Victoria, Australia
68. DMAC WDC360: Department of Microbiology, Swedish University of Agricultural Sciences, Uppsala, Sweden
69. DMCCUM WDC21 : Microbiology Department Culture Collection, University of Melbourne, Australia
70. DMCMU1 WDC691: Department of Microbiology, Faculty of Medicine, Chiang Mai University, Muang, Thailand

71. DMCU WDC663: Department of Microbiology, Faculty of Science, Chulalongkorn University Bangkok, Thailand
72. DMKKU1 WDC680: Department of Microbiology, Faculty of Medical Science, Khon Kaen University, Muang, Thailand
73. DMKU WDC669: Department of Microbiology, Faculty of Science, Kasetsart University, Bangkok, Thailand
74. DMMU2 WDC667: Department of Microbiology, Faculty of Science, Mahidol University, Bangkok, Thailand
75. DMMU3 WDC668: Division of Mycology, Department of Microbiology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand
76. DMPMC WDC454: Department of Microbiology, Queen Elizabeth II Medical Centre, Nedlands, Western Australia, Australia
77. DMS WDC707: Clinical Pathology Division, Department of Medical Science, Ministry of Public Health, Nonthaburi, Thailand
78. DMSRDE WDC166: DMSRDE Culture Collection, DRDO New Delhi, India
79. DMUM WDC89 : Department of Microbiology, University of Manitoba, Winnipeg, Manitoba, Canada
80. DSM WDC274: DSM Deutsche Sammlung von Mikroorganismen und, Zellkulturen GmbH, DSM, Braunschweig, FRG
81. DUM WDC40 : Delhi University, Mycological Herbarium, Department of Botany, University of Delhi, India
82. DWT WDC36 : Wood Technology and Forest Research Division, Forestry Commission of New South Wales, Australia
83. EFFPMI WDC555: Forest Pest Management Institute, Sault Ste. Marie, Canada
84. ENCB-IPN WDC449: Coleccion de cultivos de la Escuela Nacional de, Ciencias Biologicas, Escuela Nacional de Ciencias Biologicas. I.P.N., Mexico
85. EPKKU1 WDC682: Department of Entomology and Plant, Khon Kaen University, Muang, Thailand
86. EPKKU2 WDC686: Department of Entomology and Plant, Khon Kaen University, Muang, Thailand
87. ERAEP WDC706: Radiation Ecology Section, Biological Science Division, Office of Atomic Energy for Peace, Ministry of Science Technology and Energy, Bangkok, Thailand
88. ESAP WDC294: Instituto Zimotecnico-Depto Ciencia e Tecnol., Agroindustrial, Escola Superior de Agricultura Luiz de Queiroz, Sao Paulo, Brazil
89. EUSL WDC616: Eastern University, Chenkalady, Sri Lanka

90. FBGMU WDC629: Faculty of Biology, Gadjah Mada University, Yogyakarta, Indonesia
91. FCCNFRC WDC744: The Fungus Culture Collection of the Northern Forest, Research Centre, Canadian Forestry Service, Edmonton, Canada
92. FCT WDC108: FCT, Forestry Commission Tasmania, Australia
93. FCUG WDC651: Fungal cultures, University of Goteborg, Department of Systematic Botany, FRG
94. FGSC WDC115: Dept. of Microbiology, University of Kansas Medical School, USA
95. FIE WDC314: Culture Collection, Institut für Pflanzenschutzforschung, FRG
96. FNCC WDC755: Food and Nutrition Culture Collection, Gadjah Mada University, Food and Nutrition Development and Research Center, Gadjah Mada University, Yogyakarta, Indonesia
97. FRI WDC45 : Food Research Institute, Victoria, Australia
98. FRR WDC18 : Division of Food Research, Commonwealth Scientific and Industrial Research Organization, New South Wales, Australia
99. FSC WDC237: Fredericton Stock Culture Collection, Canadian Forestry Service, Fredericton, Canada
100. FTCC WDC762: Food Technology Culture Collection, Food Technology Research Centre, Malaysian Agricultural Research and Development Institute (MARDI), Kuala Lumpur, Malaysia
101. FTCMU WDC690: Department of Food Science and Technology, Faculty of Agriculture, Chiang Mai University, Muang, Thailand
102. FTK WDC38 : Forintek Culture Collection of Wood-inhabiting Fungi, Forintek Canada Corp., Biotechnology and Chemistry Department, Ottawa, Canada
103. FTPT WDC109: Tropical Culture Collection, Fund. Trop. Pesq. Tecn. "Andre Tosello", Sao Paul, Brazil
104. FUSC WDC85 : Flinders University Smut Collection, School of Biological Sciences, Bedford Park, Australia
105. GLMI WDC202: Glaxo Research and Development Culture Collection, Biology Division, Glaxo Research and Development, Medicines Research Centre, Stevenage Herts. England
106. HUT WDC195: Department of Fermentation Technology, Faculty of Engineering, Hiroshima University, Hiroshima, Japan
107. IAM WDC190: Institute of Applied Microbiology, University of Tokyo, Tokyo, Japan
108. IBT WDC758: IBT Culture Collection of Fungi, The Mycology Group, Department of Biotechnology, Technical University of Denmark, Denmark
109. ICAITI WDC37 : Coleccion de Microorganismos del Instituto Centroamericano, Instituto Centroamericano de Investigacion y Tecnologia, Industrial-ICAIT, Guatemala City, Guatemala

110. ICCF WDC232: Collection of Industrial Microorganisms, Institutul de Cercetari Chimico-Farmaceutice , Bucharest, Romania
111. ICMP WDC589: International Collection of Microorganisms from Plants, Plant Diseases Division, DSIR, Auckland, New Zealand
112. IFAM WDC145: Institut fur Allgemeine Mikrobiologie, University of Kiel, FRG
113. IFM WDC60 : Research Center for Pathogenic Fungi and Microbial Toxicoses, Chiba University, Japanese Federation of Culture Collections, Chiba, Japan
114. IFO WDC191: Institute for Fermentation, Osaka, Japan
115. IFPRD WDC676: Institute of Food Research and Product Development, Kasetsart University, Bangkok, Thailand
116. IHEM WDC642: Institute of Hygiene and Epidemiology-Mycolology Laboratory, Institute of Hygiene and Epidemiology-Mycolology, Brussels, Belgium
117. IIBM-UNAM WDC48 : Industrial Culture Collection, Instituto de Investigaciones Biomedicas, Mexico
118. IITA WDC484: The IITA Collection of Cultures of Rhizobium, International Institute of Tropical Agriculture, Ibadan, Nigeria
119. IMD WDC227: Industrial Microbiology Dublin, Dept. of Industrial Microbiology, University College, Dublin, Ireland
120. IMI WDC214: International Mycological Institute, Surrey, UK
121. INCQS-CCOC WDC575: Secao de Microbiologia e Imunologia - Bloco 8, Instituto Nacional de Controle de Qualidade em Saude, Fundacao Oswaldo Cruz, Rio de Janeiro, Brazil
122. INDRE WDC121: Pathogen Fungi and Actinomycetes Collection, Instituto Nacional de Diagnostico y Referencia Epidemiologica, S. S., Mexico
123. INIF WDC104: Coleccion de Microhongos, Centro de Investigaciones Forestales y Agropecuarias del, Distrito Federal, Coyoacan, Mexico
124. IPF WDC212: Collection of Industrial Microorganisms, Institute of Agro-Food Biotechnology, Warsaw, Poland
125. ISRI WDC630: Indonesian Sugar Research Institute, Pasuruan, Indonesia
126. ITAL WDC143: Banco de Fermentos Laticos, Food Technology Institute (ITAL) Sao Paulo, Brazil
127. ITBCC WDC44 : Institute of Technology Bandung Culture Collection, Laboratory for Microbiology & Fermentation Technology, West Java, Indonesia
128. ITCC WDC430: Indian Type Culture Collection, Division of Mycology and Plant Pathology, Indian Agricultural Research Institute, India
129. ITD WDC99 : Coleccion de Cepas Microbianas, Instituto Tecnologico de Durango, Mexico

130. ITDI WDC503: Industrial Technology Development Institute, Taguig, Republic of the Philippines
131. JCM WDC567: Japan Collection of Microorganisms, RIKEN, Japan
132. JCT WDC387: James Cook, Townsville, James Cook University, Queensland, Australia
133. KCTC WDC597: Korean Collection for Type Cultures, Genetic Engineering Center, Korea Inst. Sci & Tech (KIST) Seoul, Korea
134. KFCC WDC585: Korean Federation of Culture Collection, Seoul, Korea
135. KMM WDC644: Collection of Marine Microorganisms, Pacific Institute of Bioorganic Chemistry (PIBOC) Vladivostok, Russian Federation
136. KUFC WDC677: Kasetsart University Fungus Collection, Department of Plant Pathology, Faculty of Agriculture, Kasetsart University, Bangkok, Thailand
137. KUKENS WDC101: Centre for Research and Application of Culture, Collections of Microorganisms, Istanbul Faculty of Medicine, Microbiology Department, Istanbul, Turkey
138. LCC WDC231: Laboratoire des Collections of Cultures, Chaire de Microbiologie Technique, Olsztyn, Poland
139. LCC WDC742: Labatt Culture Collection Production Research Department, Labatt Brewing Company Ltd., London, Canada
140. LCP WDC659: Laboratoire de Cryptogamie, Museum national d'histoire naturelle, Paris, France
141. LMAU WDC381: Laboratory of Microbiology, Agricultural University, Wageningen, The Netherlands
142. LMS WDC530: Carolina Biological Supply Co., Burlington, USA
143. LOCK WDC105: Centre of Industrial Microorganisms Collection, Institute of Fermentation Technology and Microbiology, Gdanska, Poland
144. LRC WDC545: Research Centre, Agriculture Canada, London, Canada
145. LRL WDC327: Lilly Culture Collection, Eli Lilly and Company, Indianapolis, USA
146. LTI WDC554: Cryobank of Microorganisms-Destructors, Department of Molecular biotechnology, Leningrad Lensoviet Institute of Technology, Leningrad, Russian Federation
147. MAFF WDC637: Ministry of Agriculture, Forestry and Fisheries, Genetic Resources Center, Ministry of Agriculture, Forestry and Fisheries Tsukuba, Japan
148. MCC-UPLB WDC39 : Microbial Culture Collection, Museum of Natural History, University of the Philippines Los Banos, Laguna, Philippines
149. MCM WDC561: MACS Collection of Microorganisms, MACS Research Institute, Pune, India

150. MLLD WDC702: Microbiological Research Laboratory, Soil and Water Section, Department of Land Development, Ministry of Agriculture and Cooperative, Bangkok, Thailand
151. MLMJI WDC701: Training Division, Agricultural Research and Extension Office, Maejo Institute of Agriculture, Sansai, Thailand
152. MLRU WDC695: Microbiology Laboratory, Department of Biology, Faculty of Science, Ramkhamhaeng University, Bangkok, Thailand
153. MPKV WDC448: Biological Nitrogen Fixation Project, College of Agriculture, Mahatma Phule Agricultural University, Pune India
154. MPSU WDC492: Department of Microbiology, Faculty of Science, Prince of Songkla University, Songkla, Thailand
155. MR WDC542: MR Culture Collection of Microorganisms, Institute for Microbial Resources, Tokyo, Japan
156. MRL WDC136: MRL Collection of Biodeterioration Microfungi, Materials Research Laboratory, Victoria, Australia
157. MSDS WDC494: Microbiology Section, Biological Science Division, Department of Science Services, Ministry of Science Technology and Energy, Bangkok, Thailand
158. MSPP WDC704: Mycology Section, Plant Pathology and Microbiology Division, Department of Agricultural Science, Ministry of Agriculture and Cooperative, Bangkok, Thailand
159. MSUB WDC422: Institute of Microbiology, University of Bologna, Bologna, Italy
160. MUCL WDC308: Mycoteque de l'Universite Catholique de Louvain, Laboratoire de Mycologie Systematique et Appliquee, Universite Catholique de Louvain, Louvain, Belgium
161. MW WDC216: Pilzkulturrensammlung, Friedrich-Schiller-Universitat Jena, Biologische Fakultat, Weima, FRG
162. MZKI WDC599: Microbial Culture Collection of National Institute, of Chemistry, National Institute of Chemistry, Ljubljana, Slovenia,
163. NBIMCC WDC135: National Bank for Industrial Microorganisms and Cellular, Cultures, National Biotechnological Centre , Sofia, Bulgaria
164. NCAIM WDC485: National Collection of Agricultural and Industrial, Microorganisms, University of Horticulture and Food Industry, Department of Microbiology and Biotechnology, Budapest, Hungary
165. NCB WDC175: National Culture Bank, Dip. Biologia Applicata Difesa Piante - University Udine, Italy
166. NCIM WDC3 : National Collection of Industrial Microorganisms, Division of Biochemical Sciences National Chemical, Laboratory (SCIR) , Pune, India
167. NCPF WDC184: National Collection of Pathogenic Fungi, PHLS Mycological Reference Laboratory, Central Pulbic Health Laboratories London, UK

168. NCSC WDC664: National Center of Streptococcus Collection, Department of Microbiology, Faculty of Medical Science, Chulalongkorn University , Bangkok, Thailand
169. NCWRF WDC134: National Collection of Wood Rotting Fungi, Biodeterioration Section. Timber Division. Building, Research Establishment Hertfordshire, UK
170. NGR WDC356: Plant Pathology, Department of Primary Industry, Port Moresby, Papua New Guinea
171. NHL WDC67 : Culture Collection, Division of Microbiology, National Institute of Hygienic Sciences, Tokyo, Japan
172. NIAS WDC243: National Institute of Agro-Environmental Sciences , Tsukuba, Japan
173. NRC WDC242: Division of Biological Sciences, National Research Council of Canada , Ottawa, Canada
174. NRPSU WDC679: Department of Agro-industry, Faculty of Natural Resources, Prince of Songkhla University, Songkla, Thailand
175. NRRL WDC97 : Agricultural Research Service Culture Collection, National Center for Agricultural Utilization Research, Peoria, Illinois, USA
176. NTCCI WDC107: Culture Collection, Microbiology and Cell Biology Laboratory, Indian Institute of Science, Bangalore, India
177. NUSDM WDC568: Department of Microbiology, National University of Singapore, Singapore
178. NZFS WDC62 : New Zealand Forest Research Institute Culture Collection, Forest Research Institute, New Zealand
179. NZRP WDC335: New Zealand Reference Culture Collection and Soil Section, New Zealand
180. PBF WDC633: Perum Bio Farma, Bandung, Indonesia
181. PCU WDC662: Pharmaceutical Science, Department of Microbiology, Faculty of Pharmaceutical, Chulalongkorn University, Thailand
182. PDDCC WDC52 : Plant Diseases Division Culture Collection, Plant Diseases Division, New Zealand
183. PDDPN WDC92 : Plant Diseases Division, Palmerston North, New Zealand
184. PHBL WDC508: Philip Harris Biological Ltd. Avon, UK
185. PPCC WDC27 : Plant Pathology Culture Collection, Department of Primary Industries Plant Pathology Branch, Australia
186. PPCCE WDC537: Portsmouth Polytechnic Culture Collection of Marine Fungi, School of Biological Sciences, University of Portsmouth, UK
187. PPKMI WDC699: Plant Production Technology Department, Faculty of Agricultural Technology, King Mongkut's Institute of Technology, Chaokun Taharn Lat Krabang, Thailand

188. PPKU1 WDC670: Department of Plant Pathology, Faculty of Agriculture, Kasetsart University, Muang, Thailand
189. PPKU3 WDC672: Department of Plant Pathology, Faculty of Agriculture, Kasetsart University, Muang, Thailand
190. PPKU4 WDC673: Department of Plant Pathology, Faculty of Agriculture, Kasetsart University, Muang, Thailand
191. PPKU5 WDC674: Department of Plant Pathology, Faculty of Agriculture, Kasetsart University, Muang, Thailand
192. PPRI WDC351: National Collection of Fungi: Culture Collection, Plant Protection Research Institute, Republic of South Africa
193. PTCC WDC753: Pakistan Type Culture Collections, Pakistan Council of Scientific and Industrial Research, Pakistan
194. PTCCI WDC124: Persian Type Culture Collection, Iranian Research Organization for Science and Technology, (I.R.O.S.T.), Teheran, Iran
195. RAC WDC98 : Microbiology Teaching Coll., Roseworthy Agricultural College, Roseworthy, Australia
196. RIA WDC337: The Russia Research Institute for Antibiotics, Culture Collection, Russia Research Institute for Antibiotics
197. RIB WDC640: National Research Institute of Brewing, Tokyo, Japan
198. RITFC WDC625: Research Institute for Tobacco and Fibre Crops, Malang, Indonesia
199. RIVE WDC28 : Research Institute for Viticulture and Enology, Czech Republic
200. RLSCC WDC167: CSR Central Laboratory, Colonial Sugar Refining Co. Ltd., Pyrmont, Australia
201. RM WDC764: Rumen Microorganisms, Grasslands Research Centre, Agresearch, New Zealand
202. RRIASR WDC617: Fungi affecting the crop *Hevea brasiliensis* (rubber), Rubber Research Institute Agalawatta at Matugama, Sri Lanka
203. SAITP WDC569: School of Pharmacy and Medical Sciences, University of South Australia, SA Institute of Technology, Australia
204. SBSFU WDC78 : School of Biological Sciences, *Neurospora crassa* Mutants, Bedford, Australia
205. SEAMEO WDC626: Seameo-Biotrop, Bogor, Republic of Indonesia
206. SKUK WDC565: Simpanan Kultur Universiti Kebangsaan, National University of Malaysia, Dept. of Microbiology, Malaysia
207. SMCC WDC93 : Soil Microbiology Culture Collection, CSIRO, Division of Soils, Australia

208. SMRG WDC703: Soil Microbiology Research Group, Division of Soil Science, Department of Agriculture, Ministry of Agriculture and Cooperative, Thailand
209. SPMCC WDC624: Sungei Putih Microbial Culture Collection, Sungei Putih Research Center for Estate Crops, Indonesia
210. SSMJI WDC700: Science Section, Department of General Education, Faculty of Agriculture Business, Maejo Institute of Agriculture, Thailand
211. SWU1 WDC696: Department of Biology, Faculty of Science, Sri Nakariniwrote University (Phitsanulok), Thailand
212. SWU2 WDC697: Department of Biology, Faculty of Science, Sri Nakariniwrote University (Bang Khen) Thailand
213. TISTR WDC383: TISTR Culture Collection, Bangkok MIRCEN, Thailand Institute of Scientific and Technological, Research, Bangkok, Thailand
214. UAMH WDC73 : University of Alberta Microfungus Collection and Herbarium, University of Alberta, Edmonton, Alberta, Canada
215. UBFFTD WDC562: Food and Fermentation Technology Division, University of Bombay, Dept. of Chemical Technology, Bombay, India
216. UC(Chile) WDC291: Laboratory of Microbiology and Immunology, Department of Cellular Biology, Catholic University of Santiago, Institute of Biological Sciences, Santiago, Chile
217. UC(UPJOHN) WDC168: The Upjohn Culture Collection, The Upjohn Company, USA
218. UCCM WDC652: University of Calabar Collection of Microorganisms, University of Calabar, Nigeria
219. UCLAF WDC552: UC, Roussel UCLAF, France
220. UFPEDA WDC114: Universidade Federal de Pernambuco, Departamento de Antibioticos, Recife, Pernambuco, Brazil
221. UICC WDC563: University of Indonesia Culture Collection, FMIPA, University of Indonesia, Indonesia
222. UJB WDC619: University of Jaffna, Botany, Sri Lanka
223. UKKP WDC43 : Universiti Kebangsaan Kultur Perubatan, Universiti Kebangsaan, Malaysia
224. UMIP WDC344: Collection de Champignons et Actinomycetes Pathogenes, Institut Pasteur, Paris, France
225. UNSW WDC248: Culture Collection, School of Microbiology, University of New South Wales, Australia
226. UPCC WDC310: Natural Sciences Research Institute Culture Collection, University of the Philippines

227. UPRM WDC76 : Rhizobium Culture Collection, University of Puerto Rico, San Juan, Puerto Rico
228. UPSC WDC603: Uppsala University Culture Collection of Fungi, Botanical Museum University of Uppsala, Sweden
229. UQM WDC13 : University of Queensland Microbial Culture Collection, Department of Microbiology, Australia
230. URM WDC604: Universidade Federal de Pernambuco, Micoteca do Departamento de Micologia, Brazil
231. USDB WDC510: Botany Department (Culture) Mycological Collection, National University of Singapore
232. UWO WDC91 : Department of Plant Sciences, University of Western Ontario, London, Canada
233. VIZR WDC760: Collection for plant protection, All-Russian Institute of Plant Protection Russian Federation
234. VKM WDC342: All-Russian Collection of Microorganisms, Institute of Biochemistry and Physiology of Microorganisms, Russian Academy of Sciences Russian Federation
235. VKPM WDC588: Russian Collection of Industrial Microorganisms, Institute of Genetics and Selection of Industrial, Microorganisms, Russian Federation
236. VPCI WDC497: Fungal Culture Collection, Vallabhbai Patel Chest Institute, University of Delhi, New Delhi, India
237. VPRI WDC206: Plant Research Institute, Herbarium, Victoria, Australia
238. VSB WDC544: Veterinary Pathology Bacteriology, University of Sydney, Australia
239. VTT WDC139: VTT Collection of Industrial Microorganisms, VTT, Biotechnical Laboratory, Espoo, Finland
240. WA WDC77 : Plant Research Division Culture Collection, Western Australian Department of Agriculture, Australia
241. WAITE WDC35 : Insect Pathology Pathogen Collection, WAITE Agricultural Research Institute, Australia
242. WIM WDC382: LL - Collection, Waksman Institute of Microbiology, Rutgers University, New Jersey, USA
243. WRL WDC142: The Wellcome Bacterial Collection, The Wellcome Foundation Limited, Kent, UK
(Comments: transferred to the Public Health Laboratory Services in 1992.)
244. WVDH WDC411: West Virginia Hygienic Laboratory, West Virginia Department of Health, USA

Annex M

**Culture Collections providing Bacillus anthracis
and the VEE virus**

Bacillus anthracis

Listed below are the World Data Centre for Microorganisms' acronyms for the culture collections that provide B. anthracis samples. Availability of the culture is indicated: E for Exchange, C for Charge, F for Free as listed in CCINFO from World Data Centre of Microorganisms. The following pages contain brief descriptions of these culture collections.

BTCC(66) CAPM(181): EC CCDMBI(119): F CCM-A(29): ECF
CCMA(307): EF CCT(711) CCTM(475) CCUG(32): EC
CENACUMI(757) CFQ(100) CGMCC(550): EC CICV(33): C
CIP(759): ECF CMCC(B)(123): ECF CNCM(174) CNCTC(130): ECF
CPZ(275) DBV(173) DMCCUM(21): C DMCCUS(478)
DMPMC(454): F DMUM(89): F DMVB(194): C DVMI(41): F
ENCB-IPN(449): ECFGAM(283): EF GIFU(305): EF HIPU(418): ECF
HNCMB(258): F IAL(282): E IALCEL(732) IEMVT(54): EC
IID(208): F IMET(217): ECF IMM(427): F IOC(720)
KUKENS(101): F LBFIOCRUZ(574): EMAFF(637): C MSUB(422): F
MTKKU(685) MUL(250) NCTC(154): C NUSDM(568)
NZRM(457): ECF PCU(662) PTCCI(124): EC SMCC(93): F
SMTWA(90) UFPEDA(114): ECF UQM(13): EC VSB(544): CF
WAITE(35) WCLRNY(330): F WRL(142) ATCC (1)

BTCC WDC66 : Bulgarian Type Culture Collection, Institute for State Control of Drugs

POSTAL ADDRESS

Correspondent Stojtschew, Prof. N.
Full name Bulgarian Type Culture Collection
Institution Institute for State Control of Drugs
Address Vladimir Zaimov No. 26
Sofia

Country Republic of Bulgaria

STATUS Governmental

DIRECTOR Zikolov, Prof. P.

CURATORS Stojtschew, Prof. N.
Ivanova, Dr. L.

MAIN SUBJECTS Genetics (Bacteria and plasmid)

Medical microbiology

General microbiology

CULTURES

Culture held Bacteria (4500)

Fungi (340)

Yeasts (32)

Viruses: bacteria (20)

Plasmids (50)

SERVICES

Identification Organisms pathogenic for man

CCMA WDC307: Coleccion Catedra Microbiologia Agricola, Facultad Agronomis

POSTAL ADDRESS

Correspondent Halbinger, Prof. R. E.
Full name Coleccion Catedra Microbiologia Agricola
Institution Facultad Agronomis
Address Av. San Martin 4453
Buenos Aires, 500

Country Argentine Republic

STATUS University

DIRECTOR Halbinger, Prof. Roberto E.

CURATORS Nolte, A. F.

MAIN SUBJECTS Agriculture

Industrial microbiology

CULTURES

Culture held Algae (2)

Bacteria (1690)

Fungi (439)

Yeasts (766)

AVAILABILITY OF CULTURES

Free

Exchange

**CENACUMI WDC757: Centro Nacional de Cultivos Microbianos,
(National Center For Microbial Cultures)**

POSTAL ADDRESS

Correspondent Del Rio-Estrada, Dr. Carlos
Full name Centro Nacional de Cultivos Microbianos
(National Center For Microbial Cultures)
Address P.O.Box 60-600
Mexico City
D.F., 03800
Country United Mexican States

MAIL NUMBERS TEL: (52) 5-53-80-90
FAX: (52) 5-53-79-17

STATUS Governmental

DIRECTOR Del Rio-Estrada, Dr. Carlos

MAIN SUBJECTS Agriculture
Genetic engineering
Industrial microbiology
Fermentation
Marine biology
Medical microbiology
Environmental protection
Food science
General microbiology
Catalogue Computerized

SERVICES Patent deposits
Storage services
Distribution

Identification Bacteria
Fungi
Yeasts
Cell lines
Viruses

Training Culture and preservation methods

Consultation Patent deposits
Preservation
Shipment regulations

CIP WDC759: Collection des Bacteries de l'Institut Pasteur, INSTITUT PASTEUR

POSTAL ADDRESS

Correspondent Bizet, Dr. Chantal
Full name Collection des Bacteries de l'Institut Pasteur
Institution INSTITUT PASTEUR
Address 25 rue de Dr. Roux
PARIS CEDEX 15, 7524
Country French Republic
MAIL NUMBERS TEL: (33) 45-68-87-75
FAX: (33) 40-61-30-07
TLX: 250 609 F

STATUS Private
DIRECTOR Bizet, Dr. Chantal
CURATORS Bizet, C. (Chemotaxonomy)
Escande, F. (Pasteurella)
Quilici, M.-L. (Plasmids)
Barreau, C. (Computer specialist)
NUMBER OF STAFF Bacteriology(11)
MAIN SUBJECTS Culture and preservation methods
General microbiology
Freeze drying
Marine biology
Medical microbiology
Plant pathology
Systematics and taxonomy
Chemotaxonomy

CULTURES

Culture held Bacteria (2800)
Plasmids (40)

AVAILABILITY OF CULTURES

Free
Exchange
Fee

SERVICES Storage services(Bacteria)
Distribution(Bacteria)

Training Management of a culture collection
Culture and preservation methods
Use of computer in culture collections

Consultation Preservation
Shipment regulations

**CPZ WDC275: Centro Panamericano de Zoonosis,
Organizacion Mundal et Salud**

POSTAL ADDRESS

Correspondent The Director
Full name Centro Panamericano de Zoonosis
Institution Organizacion Mundal et Salud
Address Casilla 3092 Correo Central
Martinez
Buenos Aires, D-3300
Country Argentine Republic

SPONSORS Internacional

DIRECTOR Held, Dr. Joe R.

CURATORS Garcia-Carrillo, Dr. Casimiro

MAIN SUBJECTS Veterinary

CULTURES

Culture held Bacteria (500)

Viruses: animal (2)

SERVICES

Identification Brucella, Mycobacterium and Leptospirae

***DMPMC WDC454: Department of Microbiology, Queen Elizabeth II
Medical Centre***

POSTAL ADDRESS

Correspondent Mee, Dr. B. J.
Full name Department of Microbiology
Institution Queen Elizabeth II Medical Centre
Address Nedlands
Western Australia, 6009
Country Australia

MAIL NUMBERS TEL: (61) 9-389-2286

STATUS University

CURATORS Manensis, Mr. C. (Everything)

MAIN SUBJECTS Genetics

Medical microbiology

General microbiology

CULTURES

Culture held Bacteria (2500)

Fungi (50)

Yeasts (50)

Plasmids (500)

Vectors (10)

AVAILABILITY OF CULTURES

Free

SERVICES

Storage services

ENCB-IPN WDC449: Coleccion de cultivos de la Escuela Nacional de, Ciencias Biologicas, Escuela Nacional de Ciencias Biologicas. I.P.N.

POSTAL ADDRESS

Correspondent Giono-Cerezo, Dr. Silvia
Full name Coleccion de cultivos de la Escuela Nacional de
Ciencias Biologicas
Institution Escuela Nacional de Ciencias Biologicas. I.P.N.
Address Carpio y Plan de Ayala s/n
Mexico D.F.
Mexico, 11340
Country United Mexican States

MAIL NUMBERS TEL: (52) 396-37-86

STATUS Semi-governmental
University

SPONSORS M.C. Jose Tomas Hernandez
O.B.P. Graciela Castro E.

DIRECTOR Giono-Cerezo, Dr. Silvia

CURATORS Morales-Tepatl, Edmundo (Microbiology)
Castro-Escarpulli, Graciela (Microbiology)
Aquino-Santiago, Carlos (Microbiology)
Escamilla-Aviles, Everardo (Microbiology)
Ibarra-Rivera, Roberto

NUMBER OF STAFF Bacteriology(20)
Cell(2)
Mycology(3)
Protozoology(4)
Virology(3)

MAIN SUBJECTS Agriculture
Genetics
Applied microbiology
Genetic engineering
Immunology
Industrial microbiology
Culture and preservation methods
Fermentation
Freeze drying
Medical microbiology
General microbiology
Veterinary

CULTURES

Culture held Bacteria (940)
Fungi (60)
Yeasts (14)

AVAILABILITY OF CULTURES

Free
Exchange
Fee

SERVICES Storage services

Distribution
Identification Bacteria
Fungi
Yeasts

Training Management of a culture collection
Culture and preservation methods
Quality control
Consultation Preservation
Propagation

***HNCMB WDC258: Hungarian National Collection of Medical Bacteria,
National Institute of Hygiene***

POSTAL ADDRESS

Correspondent Konkoly-Thege, Dr. Marianne
Full name Hungarian National Collection of Medical Bacteria
Institution National Institute of Hygiene
Address Gyali ut 2-6
Budapest, H-1097
Country Republic of Hungary
MAIL NUMBERS TEL: (36) 1-142250
TLX: 225349 oki h
STATUS Governmental
SPONSORS Ministry of Health and Social Affairs
DIRECTOR Lanyi, Dr. B.
CURATORS Konkoly-Thege, Dr. Marianne (Medical bacteriology)
NUMBER OF STAFF Bacteriology(2)
Assistants(2)
MAIN SUBJECTS Medical microbiology
CULTURES
Culture held Bacteria (3301)
AVAILABILITY OF CULTURES
Free

***IID WDC208: Laboratory Culture Collection, Institute of Medical
Science, University of Tokyo***

POSTAL ADDRESS

Correspondent Yoshikawa, Dr. Masanosuke
Full name Laboratory Culture Collection
Institute of Medical Science
Institution University of Tokyo
Address 4-6-1 Shirokanedai
Minato-ku
Tokyo
Country Japan
MAIL NUMBERS TEL: (81) 3-443-8111
FAX: (81) 3-443-3893
STATUS Governmental
University
DIRECTOR Yoshikawa, Dr. Masanosuke
CURATORS Chosa, Hiroshi
NUMBER OF STAFF Bacteriology(1)
MAIN SUBJECTS Medical microbiology
CULTURES
Culture held Bacteria (1425)

AVAILABILITY OF CULTURES

Free
SERVICES Distribution(Medically important bacteria)

***KUKENS WDC101: Centre for Research and Application of Culture,
Collections of Microorganisms, Istanbul Faculty of Medicine,
Microbiology Department***

POSTAL ADDRESS

Correspondent Gurler, Prof. B.
Full name Centre for Research and Application of Culture
Collections of Microorganisms
Institution Istanbul Faculty of Medicine
Microbiology Department
Address Temel Bilimler Binasi
TR-34390 Capa-Istanbul
Country Republic of Turkey

MAIL NUMBERS TEL: (90) 1-5348640
FAX: (90) 1-5348640

STATUS University

SPONSORS Rahmiye Berkiten, Nezahat Gurler, Sengul Derbentli, Gulsen Aktan.

DIRECTOR Gurler, Prof. B.

CURATORS Berkiten, Rahmiye (Microbiologist)

Gurler, Nezahat (Microbiologist)
Derbentli, Sengul (Microbiologist)
Aktan, Gulsen (Microbiologist)

NUMBER OF STAFF Bacteriology(2)

Cell(1)
Mycology(3)
Protozoology(2)
Virology(1)
Assistants(2)
Others(2)

MAIN SUBJECTS Industrial microbiology
Culture and preservation methods
Freeze drying
Medical microbiology
General microbiology

CULTURES

Culture held Bacteria (1400)
Fungi (150)
Yeasts (150)
Protozoa (8)
Cell lines: animal (3)
Viruses: animal (8)

AVAILABILITY OF CULTURES

Free

SERVICES

Identification Bacteria
Fungi
Yeasts
Cell lines
Viruses

**MTKKU WDC685: Department of Clinical Microbiology, Faculty of
Medical Technology, Khon Kaen University**

POSTAL ADDRESS

Correspondent Maynaphan, Miss Chulchant
Full name Department of Clinical Microbiology
Faculty of Medical Technology
Institution Khon Kaen University
Address Mitraparp
Khon Kaen
Muang, 40002
Country Kingdom of Thailand
MAIL NUMBERS TEL: (66) 43-236905
SPONSORS Government
DIRECTOR Wilailakana, Mr. Chotechana
CURATORS Maynaphan, Miss Chulchant
MAIN SUBJECTS Medical microbiology
CULTURES
Culture held Bacteria (230)

**NZRM WDC457: New Zealand Reference Culture Collection, Medical
Section, New Zealand Communicable Disease Centre**

POSTAL ADDRESS

Correspondent Short, Mrs. Patricia
Full name New Zealand Reference Culture Collection
Medical Section
Institution New Zealand Communicable Disease Centre
Address Kenepuru Drive
P.O.Box 50-348
Porirua
Country New Zealand
MAIL NUMBERS TEL: (64) 237-0149
FAX: (64) 237-8983
STATUS Governmental
DIRECTOR Tobias, Dr. M. I.
CURATORS Short, Patricia (Bacteriology)
NUMBER OF STAFF Bacteriology(1)
MAIN SUBJECTS Medical microbiology
CULTURES
Culture held Bacteria (3300)
Viruses: bacteria (214)
AVAILABILITY OF CULTURES
Free
Exchange
Fee
SERVICES Distribution(Medical bacteria for quality control,
Research and teaching. Freeze-drying.)
Identification Bacteria(Medical)

**SMTWA WDC90 : School of Medical Technology Western Australia,
Curtin University of Technology**

POSTAL ADDRESS

Correspondent Grubb, Dr. W. B.
Full name School of Medical Technology Western Australia
Institution Curtin University of Technology
Address GPO Box U1987
Perth
Western Australia, 6001
Country Australia

MAIL NUMBERS TEL: (61) 9-350-7374

FAX: (61) 9-458-4661

TLX: AA 92983

STATUS University

DIRECTOR Grubb, Dr. W. B.

CURATORS Bolton, Ms. Sandra (Bacteriology)

NUMBER OF STAFF Bacteriology(2)

MAIN SUBJECTS Genetics

Medical microbiology

CULTURES

Culture held Bacteria (4600)

Plasmids (100)

Viruses: bacteria (20)

AVAILABILITY OF CULTURES

As resources allow

**WAITE WDC35 : Insect Pathology Pathogen Collection, WAITE
Agricultural Research Institute**

POSTAL ADDRESS

Correspondent Pinnock, Prof. D. E.
Full name Insect Pathology Pathogen Collection
Institution WAITE Agricultural Research Institute
Address Waite Road
Adelaide
South Australia, 5000
Country Australia

DIRECTOR Pinnock, Prof. D. E.

CURATORS Pinnock, Prof. D. E.

MAIN SUBJECTS Agriculture

General microbiology

Insect microbiology

CULTURES

Culture held Bacteria (30)

Fungi (48)

Protozoa (8)

Viruses: insect (2)

SERVICES

Identification *Melissococcus pluton*, *Bacillus larvae*

**CAPM WDC181: Collection of Animal Pathogenic Microorganisms,
Veterinary Research Institute**

POSTAL ADDRESS

Correspondent Valicek, Dr. L.
Full name Collection of Animal Pathogenic Microorganisms
Institution Veterinary Research Institute
Address Hudcova 70
Brno, CS-621 32
Country The Czech Republic
MAIL NUMBERS TEL: (42) 5-747493
FAX: (42) 5-752240
TLX: 62475 VUVET C

STATUS Governmental
DIRECTOR Valicek, Dr. L.
CURATORS Paravanova, Dipl. Ing. A. (Viruses)
Chrastova, V. (Bacteria)
NUMBER OF STAFF Bacteriology(1)
Virology(2)
Assistants(2)
Others(2)

MAIN SUBJECTS Culture and preservation methods
Freeze drying
Medical microbiology
Veterinary

CULTURES

Culture held Bacteria (619)
Viruses: animal (243)
Mycoplasmas (57)

AVAILABILITY OF CULTURES

Exchange
Fee

SERVICES Patent deposits(In Czechoslovakia)
Distribution(Electron microscopy of viruses)

Consultation Patent deposits
Preservation
Propagation
Shipment regulations

**CCT WDC711: Fundacao Tropical de Pesquisas e Tecnologia, "Andre
Tosello"**

POSTAL ADDRESS

Correspondent The Director
Full name Fundacao Tropical de Pesquisas e Tecnologia
"Andre Tosello"
Address Rua Latino Coelho, 1301
Parque Taquaral
13085 Campinas, SP
Country Federative Republic of Brazil
MAIL NUMBERS TEL: (55) 192-41-2796; (55) 192-42-7022 Ext. 62

TLX: (Prefixo Cidade)939 (Renpac); ?11920010 (BDT)
E-MAIL: BDT On-line:Renpac ?11920010, Dialcom:142:CDT0094

DIRECTOR Eguchi, Silvia Yuko
CURATORS Eguchi, Silvia Yuko

CFQ WDC100: Cepario de la Facultad de Quimica, Universidad Nacional Autonoma de Mexico (UNAM)

POSTAL ADDRESS

Correspondent Velazquez-Madrado, Dr. Olga
Full name Cepario de la Facultad de Quimica
Institution Universidad Nacional Autonoma de Mexico (UNAM)
Address Av. Insurgentes Sur y Copilco
Ciudad Universitaria, Del
Mexico.D.F., 04510
Country United Mexican States
STATUS University
DIRECTOR Velazquez-Madrado, Dr. Olga
CURATORS Jimenez-Castaneda, M.

Fragoso-Lopez, C.
Fosado-Monzalvo, P.
MAIN SUBJECTS Agriculture
Industrial microbiology
Medical microbiology
General microbiology

CULTURES

Culture held Bacteria (180)
Fungi (40)
Yeasts (40)
Viruses: bacteria (3)

CMCC(B) WDC123: National Center for Medical Culture Collections, National Institute for the Control of Pharmaceutical and, Biological Products

POSTAL ADDRESS

Correspondent Yuan, Zenglin
Full name National Center for Medical Culture Collections
Institution National Institute for the Control of Pharmaceutical and
Biological Products
Address Temple of Heaven
Beijing 100050
Country The People's Republic of China
MAIL NUMBERS TEL: (86) 701-7755 Ext. 429
TLX: 701.7683

STATUS Governmental
SPONSORS Ministry of Health
DIRECTOR Li, Defu
CURATORS Yuan, Zenglin (Microbiology)
NUMBER OF STAFF Bacteriology(4)
Assistants(1)
Others(5)

MAIN SUBJECTS Immunology
Culture and preservation methods
Freeze drying
Medical microbiology
Molecular biology

CULTURES
Culture held Algae (4000)
Bacteria (1)
Viruses: bacteria (30)

AVAILABILITY OF CULTURES
Free
Exchange
Fee

SERVICES Storage services(Medical bacteria)
Distribution(Medical bacteria)

DBV WDC173: Division of Standardisation, Indian Veterinary Research Institute

POSTAL ADDRESS
Correspondent The Director
Full name Division of Standardisation
Institution Indian Veterinary Research Institute
Address Izatnagar
Uttar Pradesh
Norfol
Country India

STATUS Governmental
DIRECTOR Gupta, Dr. B. K.
MAIN SUBJECTS Veterinary

CULTURES
Culture held Bacteria (100)
Fungi (1)
Yeasts (2)
Protozoa (3)
Viruses: animal (47)

DMUM WDC89 : Department of Microbiology, University of Manitoba

POSTAL ADDRESS
Correspondent Maeba, Dr. P.
Full name Department of Microbiology
Institution University of Manitoba
Address Department of microbiology
Winnipeg
Manitoba, R3T 2N2
Country Canada

MAIL NUMBERS TEL: (1) 204-474-9690
STATUS University
SPONSORS University
DIRECTOR Maeba, P.

CURATORS Maeba, P. (General Microbiology)
NUMBER OF STAFF Bacteriology(1)
MAIN SUBJECTS Biochemistry
General microbiology
CULTURES
Culture held Bacteria (300)
Fungi (20)
Yeasts (10)
AVAILABILITY OF CULTURES
Free
SERVICES Storage services

GAM WDC283: Grupo Actinomicetales Merida, Universidad de Los Andes

POSTAL ADDRESS

Correspondent Serrano, Dr. J. A.
Full name Grupo Actinomicetales Merida
Institution Universidad de Los Andes
Address P.O.Box 164
Merida, 5101A
Country Republic of Venezuela
MAIL NUMBERS TEL: (58) 74-638309
TLX: 74173CDCHTULA
STATUS University
SPONSORS Departamento de patologia
DIRECTOR Serrano, Dr. J. A.
CURATORS Garica, Mr. E. (Microbiology)
NUMBER OF STAFF Bacteriology(2)
MAIN SUBJECTS Applied microbiology
Systematics and taxonomy
CULTURES
Culture held Bacteria (150)
AVAILABILITY OF CULTURES
Free
Exchange
SERVICES
Identification Bacteria(Aetimomycetaler)
Consultation Preservation

IAL WDC282: Secao de Colecao de Culturas, Instituto Adolfo Lutz

POSTAL ADDRESS

Correspondent Giampaglia, Carmen Maria Saraiva
Full name Secao de Colecao de Culturas
Institution Instituto Adolfo Lutz
Address Av. Dr. Arnaldo 355, Cx. Postal 7027
Sao Paulo, SP, 01246
Country Federative Republic of Brazil

MAIL NUMBERS TEL: (55) 853-0111 Ext. 214
FAX: (55) 55011 853 7486
TLX: 113 6327

STATUS Governmental
DIRECTOR Ortolan, Dr. Marina
CURATORS Giampaglia, Carman M. S. (Bacteriology)
NUMBER OF STAFF Bacteriology(2)
MAIN SUBJECTS Applied microbiology
Culture and preservation methods
Freeze drying
Medical microbiology
Systematics and taxonomy
Veterinary

CULTURES
Culture held Bacteria (2000)
Protozoa (15)
AVAILABILITY OF CULTURES
Exchange
SERVICES Storage services

IMET WDC217: IMET, Zentralinstitut fur Mikrobiologie und Experimentelle, Therapie

POSTAL ADDRESS

Correspondent Prauser, Dr. H.
Full name IMET
Institution Zentralinstitut fur Mikrobiologie und Experimentelle
Therapie
Address Beutenbergstrasse 11
Jena, 6900
Country Federal Republic of Germany
SPONSORS Akademie der Wissenschaften der DDR
DIRECTOR Prauser, Dr. H.
CURATORS Kohler, Prof. W.
Prauser, Dr. H.
Meyer, Dr. Jutta

MAIN SUBJECTS Industrial microbiology
Medical microbiology
General microbiology
Veterinary

CULTURES
Culture held Bacteria (1300)
Viruses: bacteria (70)
AVAILABILITY OF CULTURES
Free
Exchange
Fee

SERVICES
Identification Actinomycetes

***LFBFIOCRUZ WDC574: Laboratorio de Fisiologia Bacteriana,
Departamento de Bacteriologia, Fundacao Oswaldo Cruz - Instituto
Oswaldo Cruz***

POSTAL ADDRESS

Correspondent Rabinovitch, Mr. Leon
Full name Laboratorio de Fisiologia Bacteriana
Departamento de Bacteriologia
Institution Fundacao Oswaldo Cruz - Instituto Oswaldo Cruz
Address Av. Brasil, 4365 - Manguinhos, Cx. Postal 926
Rio de Janeiro, RJ, 21.040
Country Federative Republic of Brazil
MAIL NUMBERS TEL: (55) 21-270-6565
FAX: (55) 21-590-3545
TLX: 021-23239-FUOC-BR
STATUS Semi-governmental
SPONSORS FIOCRUZ & National Council of Research - CNPq
CURATORS Rabinovitch, Leon (Bacteriology)
in training (Computer specialist)
NUMBER OF STAFF Bacteriology(2)
Others(2)
MAIN SUBJECTS Applied microbiology
Fermentation
Environmental protection
Molecular biology
Food science
CULTURES
Culture held Bacteria (600)
AVAILABILITY OF CULTURES
Exchange
Fee
SERVICES Storage services
Distribution
Identification Bacteria
Training Culture and preservation methods

***MUL WDC250: Department of Microbiology MUL-B 250, Faculty of
Medicine, Laval University***

POSTAL ADDRESS

Correspondent Garneau, Ms. Francine
Full name Department of Microbiology MUL-B 250
Institution Faculty of Medicine
Laval University
Address Cite Universitaire
Sainte Foy
Quebec, G1K-7P4
Country Canada
STATUS University
DIRECTOR Letarte, Dr. Robert
CURATORS Ackermann, H. W.
MAIN SUBJECTS Medical microbiology

General microbiology
CULTURES
Culture held Bacteria (900)

**PCU WDC662: Pharmaceutical Science, Department of Microbiology,
Faculty of Pharmaceutical, Chulalongkorn University**

POSTAL ADDRESS

Correspondent Tanasupawat, Prof. Somboon
Full name Pharmaceutical Science
Department of Microbiology, Faculty of Pharmaceutical
Institution Chulalongkorn University
Address Phaya Thai
Bangkok
Pathum Wan, 10500
Country Kingdom of Thailand

MAIL NUMBERS TEL: (66) 2526006 Ext. 242

SPONSORS Government
DIRECTOR Virunhaphol, Prof. Saree
CURATORS Tanasupawat, Prof. Somboon
Laorpaksa, Mrs. Areert

MAIN SUBJECTS Industrial microbiology
Medical microbiology
General microbiology

CULTURES

Culture held Bacteria (47)
Fungi (10)
Yeasts (12)

**UFPEDA WDC114: Universidade Federal de Pernambuco, Departamento
de Antibioticos**

POSTAL ADDRESS

Correspondent De Mello, Mrs. Berenilda Ramalho
Full name Universidade Federal de Pernambuco
Institution Departamento de Antibioticos
Address Av. Prof. Moraes Rego, S/N
Recife
Pernambuco, 50739

Country Federative Republic of Brazil
MAIL NUMBERS TEL: (55) 81-271-3628
TLX: 1267 UFPB

STATUS Governmental
University

SPONSORS Universidade Federal de Pernambuco. Conselho Nacional de Desenvolvement
Cientifico - CNPq

DIRECTOR De Mello, Berenilda Ramalho

CURATORS De Mello, Berenilda Ramalho (Microbiology)
De Mello, Berenilda Ramalho (Computer specialist)

NUMBER OF STAFF Bacteriology(7)
Cell(1)

Mycology(1)
Others(1)
MAIN SUBJECTS Agriculture
Applied microbiology
Genetic engineering
Biochemistry
Industrial microbiology
Culture and preservation methods
Fermentation
Freeze drying
Developmental biology
Medical microbiology
Environmental protection
Molecular biology
Pharmacology

CULTURES

Culture held Bacteria (379)
Fungi (124)
Yeasts (75)
Cell lines: animal (3)

AVAILABILITY OF CULTURES

Free
Exchange
Fee

SERVICES Storage services

Distribution
Identification Bacteria(Mainly actinomycetes)
Training Management of a culture collection
Culture and preservation methods
Quality control
Genetic engineering
Use of computer in culture collections
Numerical taxonomy and/or probabilistic identification
Antimicrobial activity
Consultation Preservation
Propagation

WCLRNY WDC330: Wadsworth Center for Laboratories and Research

POSTAL ADDRESS

Correspondent Shayegani, Dr. Mehdi
Full name Wadsworth Center for Laboratories and Research
Address Empire State Plaza
Albany
New York, 12201

Country The United States of America

STATUS Governmental

CURATORS Shayegani, Dr. Mehdi (Bacteriology)

NUMBER OF STAFF Bacteriology(2)

MAIN SUBJECTS Medical microbiology
General microbiology
Teaching

CULTURES

Culture held Bacteria (370)
AVAILABILITY OF CULTURES
Free
Limited

SERVICES
Identification Bacteria(Medial)

**CCDMBI WDC119: Culture Collection, Department of Microbiology,
Bose Institute**

POSTAL ADDRESS

Correspondent Mishra, Prof. A. K.
Full name Culture Collection
Department of Microbiology
Institution Bose Institute
Address 93/1 Acharya Prafulla Chandra
Calcutta
West Bengal, 700009

Country India
SPONSORS Quasi-Government
DIRECTOR Mishra, Prof. A. K.
CURATORS Chandra, Dr. Ashalata
Chakrvarthy, Dr. Sankarlal
Chakrabartty, Dr. Prankrishna

MAIN SUBJECTS Agriculture
Industrial microbiology
Medical microbiology
General microbiology
Soil microbiology
Metal leaching

CULTURES
Culture held Bacteria (50)
Fungi (40)
Yeasts (12)

AVAILABILITY OF CULTURES
Free

SERVICES
Identification Fungi

**CCTM WDC475: Centre de Collection de Type Microbien, Institut de
Microbiologie Universite de Lausanne**

POSTAL ADDRESS

Correspondent Darekar, Dr. M. R.
Full name Centre de Collection de Type Microbien
Institution Institut de Microbiologie Universite de Lausanne
Address 44, rue du Bugnon
CH-1011 Lausanne

Country Swiss Confederation
MAIL NUMBERS TEL: (41) 21-412339

FAX: (41) 21-3143181

TLX: 25012

DIRECTOR Darekar, Dr. M. R.
CURATORS Darekar, Dr. M. R.
MAIN SUBJECTS General microbiology
CULTURES

Culture held Bacteria (2700)

SERVICES

Identification Mycobacteria/Shigella/Other bacteria

**CGMCC WDC550: Centre for General Microbiological Culture
Collection, China Committee for Culture Collections of Microorganisms,
Institute of Microbiology, Academia Sinica**

POSTAL ADDRESS

Correspondent Wei, Prof. Jiangchun

Full name Centre for General Microbiological Culture Collection
China Committee for Culture Collections of Microorganisms

Institution Institute of Microbiology
Academia Sinica

Address Zhongguancun
Beijing, 100080

Country The People's Republic of China

MAIL NUMBERS TEL: (86) 1-2555614

STATUS Governmental

SPONSORS Academia Sinica

DIRECTOR Wei, Prof. Jiangchun

CURATORS Cai, Prof. Miaoying (Bacteriology)

Ruan, Dr. Jisheng (Actinomycetes)

Bai, Dr. Fengyan (Yeasts)

Zheng, Prof. Ruyong (Mycology)

NUMBER OF STAFF Bacteriology(6)

Mycology(5)

Assistants(4)

Actinomycetes(4)

Computer specialist(2)

MAIN SUBJECTS Genetics

Applied microbiology

Biochemistry

Industrial microbiology

Culture and preservation methods

Fermentation

Freeze drying

General microbiology

CULTURES

Culture held Bacteria (3000)

Fungi (4800)

Yeasts (1500)

AVAILABILITY OF CULTURES

Exchange

Fee

SERVICES Patent deposits

Storage services
Distribution
Identification Bacteria
Fungi
Yeasts
Training Management of a culture collection
Culture and preservation methods
Numerical taxonomy and/or probabilistic identification
Consultation Patent deposits
Preservation
Propagation

**CNCM WDC174: Collection Nationale de Cultures de
Microorganismes, Institut Pasteur**

POSTAL ADDRESS

Correspondent Cerisier, Mrs. Yvonne
Full name Collection Nationale de Cultures de Microorganismes
Institution Institut Pasteur
Address 25, Rue de Docteur Roux
F-75724 Paris, Cedex 15
Country French Republic
MAIL NUMBERS TEL: (33) 1-45688251
FAX: (33) 1-45688236
TLX: 250609 PASTEUR F

STATUS Private
DIRECTOR Schwartz, Prof. Maxime
CURATORS Cerisier, Mrs. Yvonne (Bacteriology)
NUMBER OF STAFF Bacteriology(1)
In Mycology(1)
In Virology(2)

CULTURES

Culture held Bacteria (605)
Viruses (119)
Cell lines: animal (332)
Fungi (98)
Phages (26)

AVAILABILITY OF CULTURES

Delivery in compliance with the patent regulation

SERVICES Patent deposits((Bacteria, Viruses, Animal cell lines,
Fungi, Yeasts). Safe deposits.)
Storage services
Distribution(Strains of 10 specialized cultures
collections of Institut Pasteur)
Identification Bacteria
Consultation Patent deposits
Preservation
Shipment regulations

**DMCCUM WDC21 : Microbiology Department Culture Collection,
University of Melbourne**

POSTAL ADDRESS

Correspondent Narayan, Mr. Laksh
Full name Microbiology Department Culture Collection
Institution University of Melbourne
Address Royal Parade
Parkville
Victoria, 3052
Country Australia
STATUS University
DIRECTOR Pittard, Prof. A. J.
CURATORS Narayan, Mr. Laksh
MAIN SUBJECTS Agriculture
Industrial microbiology
Medical microbiology
General microbiology

CULTURES

Culture held Bacteria (594)
Fungi (17)
Yeasts (20)

AVAILABILITY OF CULTURES

Fee

**DMVB WDC194: Department of Microbiology, Veterinary Branch of
National Strain Collection, The Veterinary Research Institute**

POSTAL ADDRESS

Correspondent Truszczynski, Prof. M.
Full name Department of Microbiology
Veterinary Branch of National Strain Collection
Institution The Veterinary Research Institute
Address Partyzantow Nr. 57
Pulawy, 24-100
Country Republic of Poland

MAIL NUMBERS TEL: (48) 30-51 Pulawy
TLX: 0642401

STATUS Governmental
DIRECTOR Truszczynski, Prof. M.
CURATORS Ciosek, Dr. D.
NUMBER OF STAFF Bacteriology(2)

MAIN SUBJECTS Veterinary

CULTURES

Culture held Bacteria (450)

AVAILABILITY OF CULTURES

Fee

SERVICES Distribution(Scientific and research institutions)

Identification Bacteria(Strains isolated from animals)

Training Culture and preservation methods

Consultation Preservation

GIFU WDC305: Gifu University Culture Collection, Department of Microbiology, Gifu University School of Mediol of Medicine

POSTAL ADDRESS

Correspondent Ezaki, Dr. Takayuki
Full name Gifu University Culture Collection
Institution Department of Microbiology
Gifu University School of Mediol of Medicine
Address Tsukasa-Machi 40
Gifu, 500
Country Japan
MAIL NUMBERS TEL: (81) 582-65-1241 Ext. 2239-41
FAX: (81) 582-66-7343

STATUS University
DIRECTOR Ezaki, Dr. Takayuki
CURATORS Ezaki, Dr. Takayuki (Bacteriology)
Yamamoto, Dr. Hiroyuki (Bacteriology)
NUMBER OF STAFF Bacteriology(2)
MAIN SUBJECTS Medical microbiology
CULTURES

Culture held Bacteria (250)
AVAILABILITY OF CULTURES

Free
Exchange

SERVICES

Identification Bacteria(Gram-positive cocci, Gram-negative rods)

IALCEL WDC732: Secao de Culturas Celulares, Instituto Adolfo Lutz

POSTAL ADDRESS

Correspondent The Director
Full name Secao de Culturas Celulares
Institution Instituto Adolfo Lutz
Address Av. Dr. Arnaldo, 355
01246 Sao Paulo, SP, Cx. Postal 7027
Country Federative Republic of Brazil
MAIL NUMBERS TEL: (55) 11-853-0111 Ext. 172
DIRECTOR De Oliveira Martinez, Clelia Helena
CURATORS De Oliveira Martinez, Clelia Helena

IMMH WDC427: Collection of Animal Viruses, Institute of Microbiology, University Medical School, Szeged

POSTAL ADDRESS

Correspondent Beladi, Dr. Ilona
Full name Collection of Animal Viruses
Institution Institute of Microbiology
University Medical School, Szeged
Address Dom Ter 10
Szeged
Country Republic of Hungary
STATUS University

DIRECTOR Beladi, Dr. Iona
CURATORS Pusztai, Dr. R.
MAIN SUBJECTS Medical microbiology
CULTURES
Culture held Viruses: animal (36)
AVAILABILITY OF CULTURES
Free

**MAFF WDC637: Ministry of Agriculture, Forestry and Fisheries,
Genetic Resources Center, Ministry of Agriculture, Forestry and
Fisheries**

POSTAL ADDRESS

Correspondent Suzui, Dr. Takahito
Full name Ministry of Agriculture
Forestry and Fisheries
Institution Genetic Resources Center
Ministry of Agriculture
Forestry and Fisheries
Address Kannondai
Tsukuba
Ibaraki, 305
Country Japan

MAIL NUMBERS TEL: (81) 298-38-7431
FAX: (81) 298-38-7408

STATUS Governmental

DIRECTOR Suzui, Dr. Takahito

CURATORS Aoki, Dr. Takayuki (Fungi)
Nishiyama, Dr. Koji (Bacteria)
Takano, Dr. Hiroyuki (Yeast)
Kuroki, Dr. Hiroshi (Animal viruses)
Fujisawa, Dr. Ichiro (Plant viruses)
Umehara, Dr. Masamichi (Computer specialist)

NUMBER OF STAFF Bacteriology(2)
Mycology(3)
Others(1)

MAIN SUBJECTS Agriculture
Applied microbiology
Genetic engineering
Fermentation
Marine biology
Environmental protection
Molecular biology
Food science
Forest microbiology
Plant pathology
Veterinary

CULTURES

Culture held Bacteria (1969)
Fungi (1477)
Yeasts (97)
Protozoa (6)
Cell lines: animal (3)

Viruses: animal (49)
Viruses: plant (137)
Viruses: bacteria (18)
Mycoplasmas (13)

AVAILABILITY OF CULTURES

Fee

SERVICES Storage services
Distribution
Training Management of a culture collection
Culture and preservation methods

NCTC WDC154: National Collection of Type Cultures, PHLS Central public Health Laboratory

POSTAL ADDRESS

Correspondent Holmes, Dr. B.
Full name National Collection of Type Cultures
Institution PHLS Central public Health Laboratory
Address 61 Colindale Avenue
London, NW9 5HT
Country United Kingdom of Great Britain and Northern Ireland

MAIL NUMBERS TEL: (44) 181-2004400

FAX: (44) 181-2007874

TLX: 8953942 DEFEND G

STATUS Governmental

CURATORS Holmes, Dr. B.

MAIN SUBJECTS Medical microbiology
Veterinary
Culture and preservation methods

CULTURES

Culture held Bacteria (4000)
Plasmids (600)
Viruses: bacteriophages (93)
Mycoplasma antisera (120)

AVAILABILITY OF CULTURES

Fee

SERVICES Patent deposits(Depository under the Budapest Treaty)
Storage services(Safe deposit)
Distribution(World-wide)

PTCCI WDC124: Persian Type Culture Collection, Iranian Research Organization for Science and Technology, (I.R.O.S.T.)

POSTAL ADDRESS

Correspondent Moazami, Dr. Nasrin
Full name Persian Type Culture Collection
Institution Iranian Research Organization for Science and Technology
(I.R.O.S.T.)
Address 71, Forsat St. Enghelab Ave.
Tehran,P.O.Box 15815-3538, 15819
Country Islamic Republic of Iran
MAIL NUMBERS TEL: (98) 828051-7

FAX: (98) 4408340
TLX: 214238 IROS IR/ 213209 STIC IR
STATUS Governmental
DIRECTOR Moazami, Dr. Nasrin
NUMBER OF STAFF Bacteriology(8)
Mycology(2)
Assistants(4)
Computer specialist(2)
MAIN SUBJECTS Agriculture
Applied microbiology
Industrial microbiology
Culture and preservation methods
Fermentation
Freeze drying
Medical microbiology
CULTURES
Culture held Bacteria (340)
Fungi (123)
Yeasts (26)
Viruses: bacteria (7)
AVAILABILITY OF CULTURES
Exchange
Fee
SERVICES Storage services
Distribution(To national and international institutes)
Identification
Training Culture and preservation methods
Pilot scale fermentation Process
Quality control
Consultation Preservation
Propagation

***UQM WDC13 : University of Queensland Microbial Culture Collection,
Department of Microbiology***

POSTAL ADDRESS

Correspondent Sly, Dr. L. I.
Full name University of Queensland Microbial Culture Collection
Institution Department of Microbiology
Address St. Lucia, Brisbane
Queensland, 4072
Country Australia

MAIL NUMBERS TEL: (61) 7-377-3694

FAX: (61) 7-371-8026
TLX: UNIVOLD AA40315
E-MAIL: 142:CDT0113

STATUS University
DIRECTOR Sly, Dr. L. I.
CURATORS Sly, Dr. L. I.
NUMBER OF STAFF Assistants(2)
MAIN SUBJECTS Applied microbiology
Genetic engineering
Industrial microbiology

Culture and preservation methods

Fermentation

Freeze drying

Ecology

Medical microbiology

CULTURES

Culture held Algae (16)

Bacteria (3500)

Fungi (100)

Yeasts (90)

Viruses: animal (35)

Viruses: plant (20)

Viruses: bacteria (70)

AVAILABILITY OF CULTURES

Exchange

Fee

SERVICES Storage services

Distribution

Identification Bacteria

Training Management of a culture collection

Culture and preservation methods

Quality control

Numerical taxonomy and/or probabilistic identification

Consultation Patent deposits

Preservation

Propagation

Shipment regulations

Animal quarantine

Plant quarantine

CCM-A WDC29 : Coleccion de Cultivos Microbianos, Facultad de Farmacia y Bioquimica

POSTAL ADDRESS

Correspondent De Torres, Prof. Ramon Alberto

Full name Coleccion de Cultivos Microbianos

Institution Facultad de Farmacia y Bioquimica

Address Junin 956 80 Piso

Buenos Aires, 1113

Country Argentine Republic

MAIL NUMBERS TEL: (54) 962-7233

STATUS University

DIRECTOR De Torres, Prof. Ramon Alberto

CURATORS Margarita, Picca, Silvia (Biochemistry (Bacteria))

De Monteban Ethel, Alderete (Technician (Bacteria))

NUMBER OF STAFF Bacteriology(8)

Mycology(1)

Virology(1)

Assistants(2)

MAIN SUBJECTS Applied microbiology

Industrial microbiology

Culture and preservation methods

Fermentation
Freeze drying
Medical microbiology
CULTURES
Culture held Bacteria (883)
Fungi (28)
Yeasts (21)
AVAILABILITY OF CULTURES
Free
Exchange
Fee
SERVICES Storage services(Private or official laboratories ask for
storage their cultures.)
Distribution(Private or official institutions)
Identification Bacteria(Received for storage or identification.)
Fungi(Received for storage or identification.)
Yeasts(Received for storage or identification.)
Viruses
Training Management of a culture collection
Culture and preservation methods
Quality control
Use of computer in culture collections
Numerical taxonomy and/or probabilistic identification
Consultation Patent deposits
Preservation
Propagation
Shipment regulations
Animal quarantine

**CCUG WDC32 : Culture Collection, Department of Clin Bacteriol,
University of Goteborg, Department of Clinical Bacteriology**

POSTAL ADDRESS

Correspondent Falsen, Mr. Civ. ing. Enevold
Full name Culture Collection
Department of Clin Bacteriol
University of Goteborg
Institution Department of Clinical Bacteriology
Address Guldhedsg 10
Goteborg, S-413 46
Country Kingdom of Sweden
MAIL NUMBERS TEL: (46) 31-60-46-25
FAX: (46) 31-82-54-84
E-MAIL: falsen@ccug.gu.se or ccugef@ccug.gu.se
STATUS University
DIRECTOR Edebo, Prof. Lars
CURATORS Falsen, Mr. Enevold
NUMBER OF STAFF Bacteriology(3)

MAIN SUBJECTS Applied microbiology
Genetic engineering
Immunology

Industrial microbiology
Medical microbiology
General microbiology
Systematics and taxonomy
Veterinary

CULTURES

Culture held Bacteria (32500)
Fungi (100)
Yeasts (400)

AVAILABILITY OF CULTURES

Exchange
Fee

SERVICES Storage services

Distribution

Identification Bacteria

Information and publications

Training Identification

Systematics and taxonomy

CICV WDC33 : Centro de Investigaciones en Ciencias Veterinarias

ACRONYM CICV

REGISTRATION NUMBER 33

POSTAL ADDRESS

Correspondent Schudel, Dr. Alejandro Anibal

Full name Centro de Investigaciones en Ciencias Veterinarias

Address Las Cabanas Y Los Reseros

Villa Udaondo

Buenos Aires, 1708-C.C.No 77

Country Argentine Republic

MAIL NUMBERS TEL: (54) 621-1743

TLX: INTA.AR17518

STATUS Governmental

SPONSORS Instituto Nacional de Tecnologia Agropecuaria

DIRECTOR Schudel, A. A.

CURATORS Villa, Dr. Lucio L. (Bacteriology)

Gomez, Dr. Beatriz (Hemoparasitos)

Zabal, Dr. Osvaldo (Mamalian cell)

Lager, Dr. Irene (Virologia)

NUMBER OF STAFF Bacteriology(1)

Virology(1)

MAIN SUBJECTS Agriculture

Genetic engineering

Cell biology

Molecular biology

Food science

Veterinary

CULTURES

Culture held Bacteria (175)

Protozoa (3)

Cell lines: animal (14)

Hybridomas: animal (6)
Viruses: animal (17)
Viruses: plant (6)
AVAILABILITY OF CULTURES
Fee
Charge on travel
SERVICES Storage services
Identification Bacteria
Fungi
Cell lines
Viruses
Training Culture and preservation methods

**CNCTC WDC130: Czechoslovak National Collection of Type Cultures,
National Institute of Public Health**

POSTAL ADDRESS

Correspondent Sourek, Dr. J.
Full name Czechoslovak National Collection of Type Cultures
Institution National Institute of Public Health
Address Srobarova 48
Prague 10, CS-100 42
Country The Czech Republic

MAIL NUMBERS TEL: (42) 2-73 1241-8

FAX: (42) 2-743690

TLX: 122 662

STATUS Governmental

SPONSORS Ministry of Health

DIRECTOR Sourek, Dr. PhMr. CSc. Jiri

CURATORS Jelinkova, Dr. J. (Streptococcus strains)

Slosarek, Dr. M. (Mycobacterium strains)

Tumova, Dr. B. (Myxoviruses)

Strauss, Dr. J. (Rubella and measles viruses, Chlamydiae)

Kunzova, Dr. L. (Adenoviruses)

Zastera, Mr. M. (Protozoa and helminths)

Fedova, Dr. D. (Parotitis and parainfluenza viruses)

Gresikova, Dr. M. (Arboviruses)

NUMBER OF STAFF Bacteriology(20)

Mycology(4)

Protozoology(2)

Virology(12)

Assistants(18)

Others(20)

MAIN SUBJECTS Agriculture

Applied microbiology

Biochemistry

Immunology

Industrial microbiology

Culture and preservation methods

Fermentation

Freeze drying

Marine biology

Medical microbiology
Food science
General microbiology
Systematics and taxonomy
Veterinary

CULTURES

Culture held Bacteria (5500)
Fungi (120)
Yeasts (50)
Protozoa (10)
Viruses: animal (550)
Viruses: bacteria (200)

AVAILABILITY OF CULTURES

Free
Exchange
Fee

CATALOGUE Publish own catalogue once every 5 - 10 years

SERVICES Patent deposits

Storage services
Distribution

Training Management of a culture collection
Culture and preservation methods
Quality control

Consultation Patent deposits

Preservation
Propagation
Shipment regulations

***DMCCUS WDC478: School of Biological Sciences Culture Collection,
University of Surrey***

POSTAL ADDRESS

Correspondent Amor, Mrs. T. A.
Full name School of Biological Sciences Culture Collection
Institution University of Surrey
Address Stag Hill
Guildford
Surrey, GU2 5XH
Country United Kingdom of Great Britain and Northern Ireland

STATUS University

DIRECTOR King, Prof. L.

CURATORS Amor, Mrs. T. A.

MAIN SUBJECTS General microbiology
Veterinary

CULTURES

Culture held Bacteria (2200)

***DVMI WDC41 : Department of Veterinary Microbiology and
Immunology, University of Guelph***

POSTAL ADDRESS

Correspondent Meek, Dr. A. H.
Full name Department of Veterinary Microbiology and Immunology
Institution University of Guelph
Address Guelph
Ontario, N1G 2W1
Country Canada
STATUS University
DIRECTOR Meek, Dr. A. H.
CURATORS Thackeray, Mr. L.
MAIN SUBJECTS Veterinary
CULTURES
Culture held Bacteria (29)
AVAILABILITY OF CULTURES
Free

HIPU WDC418: Bakterienstammsammlung H.I.M., Instit fuer Med. Mikrobiologie, Klinikum der Philipps-Universitat

POSTAL ADDRESS

Correspondent Mutters, Dr. R.
Full name Bakterienstammsammlung H.I.M.
Institution Instit fuer Med. Mikrobiologie
Klinikum der Philipps-Universitat
Address Pilgrimstein 2
D-3550 Marburg
Country Federal Republic of Germany
MAIL NUMBERS TEL: (49) 6427-284302
STATUS University
DIRECTOR Mannheim, Prof. W.
CURATORS Mutters, Dr. R.
NUMBER OF STAFF Bacteriology(2)
MAIN SUBJECTS Medical microbiology
Systematics and taxonomy
CULTURES
Culture held Bacteria (3000)
AVAILABILITY OF CULTURES
Free
Exchange
Fee
SERVICES
Identification Bacteria(Gram-negative, Parasitic, Fermentive
bacteria(Rods))

IEMVT WDC54 : Collection de L'I.E.M.V.T., Institut D'elevage et de Medecine Veterinaire Des Pays, Tropicaux/Cirad

POSTAL ADDRESS

Correspondent Lefever, Dr. Pierre-charles
Full name Collection de L'I.E.M.V.T.
Institution Institut D'elevage et de Medecine Veterinaire Des Pays
Tropicaux/Cirad

Address 10, rue Pierre Curie
Maisons-Alfort, 94704
Country French Republic
MAIL NUMBERS TEL: (33) 43-68-88-73
TLX: 262017 F
STATUS Semi-governmental
DIRECTOR Lefevre, Pierre-Charles
CURATORS Breard, Alain (Mycoplasma + Pasteurella)
Nguyen-Ba-Vy (Virus)
Genevieve (Hybridoma)
Adama (cDNA)
NUMBER OF STAFF Bacteriology(2)
Virology(2)
MAIN SUBJECTS Applied microbiology
Veterinary
CULTURES
Culture held Bacteria (538)
Hybridomas: animal (15)
Viruses: animal (40)
AVAILABILITY OF CULTURES
Exchange
Fee
SERVICES Storage services
Distribution(Ruminants mycoplasma for FAO)
Identification Bacteria(Mycoplasma - Pasteurella - Actinobacilles)
Viruses(Rinderpest - PPR - Pox)

IOC WDC720: Departamento de Micologia, Fundacao Oswaldo Cruz

POSTAL ADDRESS

Correspondent The Director
Full name Departamento de Micologia
Institution Fundacao Oswaldo Cruz
Address Av. Brasil, 4365-Manguinhos
21040 Rio de Janeiro, RJ, Cx. Postal 926
Country Federative Republic of Brazil
MAIL NUMBERS TEL: (55) 21-280-8787 Ext. 303
FAX: (55) 22-5903545
DIRECTOR De Oliveira, Pedrina Cunha
CURATORS De Oliveira, Pedrina Cunha

MSUB WDC422: Institute of Microbiology, University of Bologna

POSTAL ADDRESS

Correspondent Placa, Prof. Michele La
Full name Institute of Microbiology
Institution University of Bologna
Address Via Massarenti 9
Bologna, 40138
Country Republic of Italy
STATUS University
DIRECTOR Placa, Prof. Michele La

CURATORS Musiani, Dr. Monica
MAIN SUBJECTS Medical microbiology
CULTURES
Culture held Bacteria (317)
Fungi (7)
Protozoa (2)
Viruses: animal (115)
AVAILABILITY OF CULTURES
Free

NUSDM WDC568: Department of Microbiology, National University of Singapore

POSTAL ADDRESS
Correspondent Bow, Dr. Ho
Full name Department of Microbiology
Institution National University of Singapore
Address Lower Kent Ridge Road
Singapore
Country Republic of Singapore
STATUS University
SPONSORS Singapore Turf Club
DIRECTOR Ha, Prof. Chan Soh
CURATORS Bow, Dr. Ho
MAIN SUBJECTS Industrial microbiology
Medical microbiology
General microbiology
CULTURES
Culture held Bacteria (257)
Fungi (22)

SMCC WDC93 : Soil Microbiology Culture Collection, CSIRO, Division of Soils

POSTAL ADDRESS
Correspondent Harris, Dr. J. R.
Full name Soil Microbiology Culture Collection
Institution CSIRO
Division of Soils
Address Private Bag No. 2
Glen Osmond
South Australia, 5064
Country Australia
STATUS Governmental
DIRECTOR Smiles, Dr. D. E.
CURATORS Harris, J. R.
MAIN SUBJECTS Agriculture
General microbiology
Fungal pathogenicity
Mycorrhizae
CULTURES

Culture held Bacteria (100)
Fungi (2000)
AVAILABILITY OF CULTURES
Free

VSB WDC544: Veterinary Pathology Bacteriology, University of Sydney

POSTAL ADDRESS

Correspondent Nina, Dr. Love Daria
Full name Veterinary Pathology Bacteriology
Institution University of Sydney
Address Department of Veterinary Pathology
University of Sydney, 2006
Country Australia
MAIL NUMBERS TEL: (61) 2-6922454
FAX: (61) 6923056

STATUS University
DIRECTOR Love, Prof. D. N.
CURATORS Raus, Mr. J.
MAIN SUBJECTS Veterinary
CULTURES

Culture held Bacteria (3000)
Fungi (5)
Yeasts (10)
Cell lines: animal (40)
Viruses: animal (130)
AVAILABILITY OF CULTURES

Free
Fee

ATCC WDC1 : American Type Culture Collection

ACRONYM ATCC
REGISTRATION NUMBER 1
POSTAL ADDRESS

Correspondent Brandon, Mrs. Bobbie A.
Full name American Type Culture Collection
Address 12301 Parklawn Drive
Rockville
Maryland, 20852
Country The United States of America
MAIL NUMBERS TEL: (1) 301-881-2600; (1) 800-638-6597
TLX: 908768
E-MAIL: Dialcom 142:CDT0109
DIRECTOR Cypess, Dr. Raymond H.
CURATORS Gherna, Dr. Robert (Bacteriology)
Jong, Dr. S. -C. (Mycology and Botany)
Pienta, Ms. Phyllis (Bacteriology)

Davis, Mr. Elmer E. (Mycology and Botany)
McDaniel, Dr. Larry (Plant Virus)
Nerad, Dr. Thomas A. (Protistology)
Buck, Dr. Charles (Animal Virus)
Nierman, Dr. William C. (Molecular and Plasmid Biology)
Feldblyum, Ms. Tamara (Molecular and Plasmid Biology)
Hay, Dr. Robert J. (Cell Culture)
Macy, Mr. Marvin (Cell Culture)

NUMBER OF STAFF Bacteriology(23)

Cell culture(35)
Mycology(10)
Protistology(4)
Virology(8)
Plasmids(13)
Others(127)

MAIN SUBJECTS Agriculture

Genetics
Applied microbiology
Genetic engineering
Immunology
Cell biology
Industrial microbiology
Culture and preservation methods
Freeze drying
Medical microbiology
Molecular biology
Plant pathology
General microbiology
Systematics and taxonomy
Veterinary

CULTURES

Culture held Algae (120)
Bacteria (14400)
Fungi (20200)
Yeasts (4300)
Protozoa (1090)
Cell lines: animal (2300)
Cell lines: plant (25)
Hybridomas: animal (790)
Viruses: animal (1350)
Viruses: plant (590)
Viruses: bacteria (400)
Vectors/Plasmids/Phage (860)
Cloned genes/Probes (6130)
Gene libraries (100)
Animal virus antisera (600)
Plant virus antisera (270)
Plant virus clones (90)

AVAILABILITY OF CULTURES

Exchange
Fee

CATALOGUE Publish own catalogue once every 4 years

Catalogue Computerized
Updated annually

Availability of VEE virus

Two culture collections make samples of the VEE virus available:

American Type Culture Collection, Rockville Maryland (described in the previous section); and,

Yale Arbovirus Research Unit, New Haven, Connecticut.

YARU WDC395: Yale Arbovirus Research Unit

ACRONYM YARU
REGISTRATION NUMBER 395
POSTAL ADDRESS
Correspondent Shope, Dr. Robert E.
Full name Yale Arbovirus Research Unit
Address Box 3333
 New Haven
 CT, 06510
Country The United States of America
STATUS University
SPONSORS U.S. National institutes of health
 World health organization
 U.S. Army
DIRECTOR Shope, Dr. Robert E.
CURATORS Shope, Dr. Robert E. (Vesicular viruses, Rabdo viruses)
 Mason, Peter (Computer specialist)
NUMBER OF STAFF Virology(7)
 Assistants(5)
MAIN SUBJECTS Agriculture
 Genetic engineering
 Immunology
 Culture and preservation methods
 Freeze drying
 Medical microbiology
 Molecular biology
 Systematics and taxonomy
 Veterinary
CULTURES
Culture held Cell lines: animal (8)
 Hybridomas: animal (25)
 Viruses: animal (700)
AVAILABILITY OF CULTURES
Free

Annex N

WebCompass Bacillus anthracis Research

Bacillus anthracis

a kind of bacteria, microbiology

- ■ Agent searches using General resources
- Query terms are anthracis, anthrax

Related Documents

- Morbillivirus Pneumonia of Horses Images: 3  Links: 6 
<http://www.cdc.gov/ncidod/EID/vol1no1/murray.htm>
1 Retrieval failure (Excite: anthracis) No rating
■ The history of the horses on this property was considered important. Two weeks before the trainer's illness, on September 7, two horses had been moved to the Hendra stable from a spelling paddock in Cannon Hill (6 km). By September 26, 13 horses had died: the mare; 10 other horses in the Hendra stable; one horse, which had very close contact with horses in the Hendra stable, on a neighboring property; and one which had been transported from the stable to another... Serum from the horses and the two human cases specifically cross-neutralize the virus, and the horse virus-specific PCR primers provide a positive reaction with the human virus isolate.
Electronic Atlas of Animal Disease - Anthrax Images: 5  Links: 6 
<http://vetpath1.afip.mil/eaad/anthrax.html>
(Excite: anthrax) No rating
■ One loop of intestine has been opened to show luminal hemorrhage. (Brown and Brenn, 500X, Page maintained by MAJ Bruce Williams, williams@afip.mil Created: 3/15/96 Updated: 3/15/96
Bacillus anthracis/ANTHRAX Images: 0 Links: 0
<http://microvet.arizona.edu/courses/MIC420/NOTES%20ON%20THE%20WEB/ANTHRAX.html>
(Alta Vista: anthracis) No rating
■ (2) exact pathogenesis of this illness is not known, but organisms/spores penetrate oropharynx/intestinal mucosa and are deposited in the submucosal tissue, where they multiply and produce toxin (1) worldwide incidence of human anthrax = 2,000-5,000 cases per year, recent outbreak in Zimbabwe alone accounted for 3,000 cases (3) organism enters tissues from upper part of digestive tract, probably through tonsils, disease manifested by inflammatory edema of the tissues of the head and neck
Bacillus anthracis Images: 1  Links: 1 
<http://www.ami-med.com/mhc/scr/002235sc.htm>
(Alta Vista: anthracis) No rating
■ The anthrax serology test can determine if a person has been exposed to B. anthracis. [Alternative names] [Information] To order our Medical HouseCall, Pediatric HouseCall or any other AMI products, please call toll-free 1-800-584-3060 This information should NOT be used as a substitute for seeking professional medical diagnosis,... This WWW site and its contents are copyright by Applied Medical Informatics, Inc., 1996.

Bacillus anthracis Images: 6 Links: 2

<http://www.ami-med.com/mhc/top/002235.htm>

(Alta Vista: anthracis) No rating

The anthrax serology test can determine if a person has been exposed to B. anthracis. [Alternative names] [Information] To order our Medical HouseCall, Pediatric HouseCall or any other AMI products, please call toll-free 1-800-584-3060 This information should NOT be used as a substitute for seeking professional medical diagnosis,... This WWW site and its contents are copyright by Applied Medical Informatics, Inc., 1996.

- Bacillus anthracis Images: 0 Links: 0

<http://rrna.uia.ac.be/pub/lisu/Bacant.BGL>

(Lycos: anthracis) No rating

This document contains non-English or symbolic text.

IWF-Datenblatt Images: 1 Links: 11

<http://www.iwf.gwdg.de/iwfger/alldaten/E327.html>

1 Retrieval failure (Alta Vista: anthracis) No rating

This document contains non-English or symbolic text.

Antec International Ltd. Images: 1 Links: 2

<http://www.gate.net/~antecint/bactact.html>

3 Retrieval failures (Alta Vista: anthracis) No rating

This document contains non-English or symbolic text.

SSU rRNA index Images: 0 Links: 459

<http://www-rrna.uia.ac.be/rrna/ssuBacteria.html>

(Webcrawler: anthracis) No rating

This document contains non-English or symbolic text.

SSU rRNA database Images: 8 Links: 13

<http://rrna.uia.ac.be/rrna/ssuform.html>

(Webcrawler: anthracis) No rating

This document contains non-English or symbolic text.

LSU rRNA database Images: 8 Links: 14

<http://rrna.uia.ac.be/rrna/lisuform.html>

(Webcrawler: anthracis) No rating

This document contains non-English or symbolic text.

<http://www.pdb.bnl.gov/Format.doc/speclist.txt> Images: 0 Links: 0

<http://www.pdb.bnl.gov/Format.doc/speclist.txt>

(Webcrawler: anthracis) No rating

This document contains non-English or symbolic text.

KTL/TTR - 4274-72 Bacillus anthracis Images: 1 Links: 3

<http://www.ktl.fi/ttr/gen2/mikrobit/4274-72.html>

(Alta Vista: anthracis) No rating

This document contains non-English or symbolic text.

-
- Aerobic & Facultative Gram-Positive Rods Images: 3 Links: 8

<http://salk.utmem.edu/classes/micro/AerobeIndex.html>

2 Retrieval failures (Lycos: anthracis) No rating

Topics: Corynebacterium Listeria Bacillus anthracis Bacillus cereus Other Gram Positive Aerobic Rods Erysipthrix Lactbacillus Propionibacterium Return to Microbiology Resources created 11/18/94; last modified 6/22/95

Publications 1995 Images: 0 Links: 103

<http://www.pasteur.fr/Bio/pub/publi.html>

(Yahoo: anthracis) No rating

Detection of seminal antibodies to human immunodeficiency virus in vaginal secretions after sexual intercourse: possible means of preventing the risk of human immunodeficiency virus transmission in a rape victim. Promoter elements conferring neuron-specific expression of the the b2-subunit of the neuronal nicotinic acetylcholine receptor studied in vitro and in transgenic mice Bessis A, Salmon AM, Zoli M, Le Novère N, Picciotto M, Changeux JP Neuroscience,... Selective expansion followed by profound deletion of mature V beta 8.3+ T cells in vivo after exposure to the superantigenic lectin Urtica dioica agglutinin.

- Inbred Strains: AMMS Images: 0 Links: 1

<http://www.informatics.jax.org/strains/docs/AMMS.html>

7 Retrieval failures (Lycos: anthracis) No rating

Origin: Outbred KM mice from Shanghai Institute of Biological Products in 1972 and inbred since 1974 by Lou Zhenmei, Laboratory Animals Centre, Beijing. Uniform body weight with low sexual dimorphism.

Inbred Strains: LIBP Images: 0 Links: 2

<http://www.informatics.jax.org/strains/docs/LIBP.html>

2 Retrieval failures (Lycos: anthracis) No rating

Origin: Kunming outbred "Swiss" mice obtained from theHaffkin Medical Science Institute to China in 1946. Characterised at 26 loci by Wu al (1992). High level of delayed hypersensitivity (1/5).

- Gram positive bacilli Images: 16 Links: 0

http://mchip00.med.nyu.edu/med-ed/infect-disease/Gram_Pos_Bacilli2.html

1 Retrieval failure (Excite: anthracis) No rating

Organisms to be considered in this group are nonsporulating pleomorphic rods of the genus Corynebacterium, the much larger sporulating rods of the facultative anaerobic genus Bacillus, and the obligate anaerobic genus Clostridium Note the size... Properties useful In distinguishing among the Corynebacterium growth on chocolate tellurite agar Corynebacteria can take up the tellurite in the medium and reduce it to the metal, tellurium, which precipitates out resulting in the observed gray to... Corynebacterium diphtheriae, mitis grown on chocolate agar without tellurite

- <http://www.pura.com/bacteria.htm> Images: Links:

<http://www.pura.com/bacteria.htm>

8 Retrieval failures (Webcrawler: anthracis)

No Title Images: Links:

<http://karoo3.agric.za/skape/42.txt>

8 Retrieval failures (Alta Vista: anthracis)

Feedback Images: Links:

<mailto:suggestions.altavista@pa.dec.com>

8 Retrieval failures (Alta Vista: anthracis)

Gopher Menu Images: Links:

<gopher://gopher.health.state.ny.us/11/.consumer/factsheets>

8 Retrieval failures (Webcrawler: anthrax)

Images: Links:
http://www.ides.com/Gulf_War/armiraq.html
8 Retrieval failures (Yahoo: anthracis)

Images: Links:
<http://avery.med.virginia.edu/research/NIH-Guidelines.html>
(Yahoo: anthracis)

DRESDocuments/Defence Research Establishment Suffield Publications Images: Links:
<http://www.dsis.dnd.ca/shared/uudres.htm>
8 Retrieval failures (Yahoo: anthracis)

MRK_List2.sql.rpt Images: Links:
ftp://ftp.informatics.jax.org/pub/informatics/reports/MRK_List2.sql.rpt
8 Retrieval failures (Yahoo: anthracis)

Prokaryotic SSU rRNA Taxonomic List/Prokaryotic SSU Taxonomic List Images: Links:
http://geta.life.uiuc.edu/RDP/data/SSU_tax.html
8 Retrieval failures (Yahoo: anthracis)

mbox: Anthrax - Russia Images: Links:
<http://www.healthnet.org/old/promed1995-hma/0641.html>
8 Retrieval failures (Alta Vista: anthrax)

mbox: Anthrax - Republic of Georgia (2) Images: Links:
<http://www.healthnet.org/old/promed1995-hma/0970.html>
8 Retrieval failures (Alta Vista: anthrax)

mbox: Anthrax - Republic of Azerbaijan Images: Links:
<http://www.healthnet.org/old/promed1995-hma/0989.html>
8 Retrieval failures (Alta Vista: anthrax)

mbox: Anthrax - Rep. of Georgia Images: Links:
<http://www.healthnet.org/old/promed1995-hma/0966.html>
8 Retrieval failures (Alta Vista: anthrax)

mbox: Anthrax & botox - Iraq Images: Links:
<http://www.healthnet.org/old/promed1995-hma/0720.html>
8 Retrieval failures (Alta Vista: anthrax)

mbox: Re: Anthrax & botox - Iraq Images: Links:
<http://www.healthnet.org/old/promed1995-hma/0727.html>
8 Retrieval failures (Alta Vista: anthrax)

Images: Links:
http://clas.www.pdx.edu/~taylorh/xINTRO_NATURE_OF.html
6 Retrieval failures (Lycos: anthracis)

nih94.gui Images: Links:
<gopher://gophisb.biochem.vt.edu/00/.dirs/othersrc/nih94.gui>
6 Retrieval failures (Yahoo: anthracis)

Subject: Journals online Images: Links:
<gopher://gopher.bio.net/00/BIOFORUM/9212>
6 Retrieval failures (Yahoo: anthracis)

[http://wwwzenger.informatik.tu-muenchen.de/persons/paula/...](http://wwwzenger.informatik.tu-muenchen.de/persons/paula/) Images: Links:
[http://wwwzenger.informatik.tu-muenchen.de/persons/paula/...](http://wwwzenger.informatik.tu-muenchen.de/persons/paula/)
5 Retrieval failures (Webcrawler: anthrax)

The Harris/Ellefson/Burton/Bello Page Images: Links:
<http://vax1.rain.gen.mo.us/%7Emhs/HEBB.htm>

5 Retrieval failures (Webcrawler: anthrax)

No Title Images:  **Links:** 

<http://anthrax.physics.indiana.edu/~teige/budgetframe.html>

4 Retrieval failures (Alta Vista: anthrax)

Bacillus Anthracis & Mycobacterium Tuberculosis Images:  **Links:** 

<ftp://132.192.12.65/pub/Old-M2/micro/md973316.mmc>

4 Retrieval failures (Lycos: anthracis)

<http://karoo3.agric.za/angora/38.txt> **Images:**  **Links:** 

<http://karoo3.agric.za/angora/38.txt>

3 Retrieval failures (Alta Vista: anthracis)

No Title Images:  **Links:** 

http://rdp.life.uiuc.edu/rdp/ftp/pub/RDP/SSU_rRNA/alignments/sequences/B/B.anthraci_gb

2 Retrieval failures (Alta Vista: anthracis)

Bacteria Killed By Jac-Pac Images:  **Links:** 

<http://www.iceonline.com/home/rod/uvkill.html>

2 Retrieval failures (Excite: anthracis)

Target t0087: fasta output (against sequence DBs) (t0087.fasta) Images:  **Links:** 

<http://www.mrc-cpe.cam.ac.uk/irbm-course95/tardata/t0087.fasta.html>

(Alta Vista: anthracis)

U of M: Online Pathology Handbook Images:  **Links:** 

http://www.pds.med.umich.edu/refs/UMPathHandbook/Path_Lab_Handbook/WoundxxRoutinexCulturex.html

(Alta Vista: anthracis)

VSC/MIC 420/520 LECTURE/READING SCHEDULE S96 Images:  **Links:** 

<http://microvet.arizona.edu/courses/MIC420/LECTURE%20SCHEDULE.420>

(Alta Vista: anthracis)

MB 411 lectures 25-35 Images:  **Links:** 

<http://www.mbio.ncsu.edu/micro/MB411/MB411lectures25-35.html>

(Alta Vista: anthracis)

OUTPUT from blastn for 'tigr--MG002' Images:  **Links:** 

http://nori.imb.nrc.ca/mgenit/tigr/Responses/blastn/blastn_MG002.msg.html

(Alta Vista: anthracis)

No Title Images:  **Links:** 

<http://www.csuchico.edu/biol/personnel/Hanne/MedBactNotes/Lect27Bacillus>

(Alta Vista: anthracis)

Observations From Anthrax Outbreak in Sheridan County Herd Images:  **Links:** 

<http://ianrwww.unl.edu/ianr/pubs/nebfacts/nf94-128.htm>

(Lycos: anthracis)

Bacillus anthracis Images:  **Links:** 

<http://rrna.uia.ac.be/./pub/lsu/Bacant.BGL>

(Lycos: anthracis)

KUBOMICHI Morio Images:  **Links:** 

http://www.jrdc.go.jp/NationalLabDirectory/perdata/KUBOMICHI_Morio_0411_024.per

(Lycos: anthracis)

Koehler, T. M. Images:  **Links:** 

<http://www-mmg.med.uth.tmc.edu/mmg/faculty/koehler.html>

(Lycos: anthracis)

anthrax_symptomatology Images:  **Links:** 

<http://www.amda.or.jp/contents/database/4-11/b.html>

(Alta Vista: anthrax)

anthrax Images:  Links: 

<http://www.sonicnet.com/sonicore/chat/bios/bioanthrax.html>

(Webcrawler: anthrax)

gopher://gopher.health.state.ny.us/00/consumer/files/an... Images:  Links: 

<gopher://gopher.health.state.ny.us/00/consumer/files/anthrax.txt>

Annex O

**WebCompass Venezuelan equine encephalomyelitis
virus Research**

Virus encephalomyelitis

a part of virology

- Agent searches using General resources
- Query terms are virus encephalomyelitis, virus Venezuelan, virus encephalitis

Related Documents

- Geminivirus List Images: 0 Links: 1 
<http://gemini.scripps.edu/GeminiWebPage/Geminiviridae/Geminiviruslist.html>
4 Retrieval failures (Lycos: virus Venezuelan) No rating
 This document contains non-English or symbolic text.
CUTG: Alphabetical list - E Images: 0 Links: 126 
<http://www.dna.affrc.go.jp:10081/~nakamura/E.html>
(Alta Vista: virus encephalomyelitis) No rating
 This document contains non-English or symbolic text.
http://www.ucmb.ulb.ac.be/pdb_seq_rel_jan94 Images: 0 Links: 0
http://www.ucmb.ulb.ac.be/pdb_seq_rel_jan94
(Webcrawler: virus encephalomyelitis) No rating
 This document contains non-English or symbolic text.
ICTVdB - Universal Virus Database Images: 2  Links: 502 
<http://life.anu.edu.au/viruses/ICTVdB/>
1 Retrieval failure (Lycos: virus encephalomyelitis) No rating
 This document contains non-English or symbolic text.
[speclist.txt](http://pdb.pdb.bnl.gov/Format.doc/speclist.txt) Images: 0 Links: 0
<http://pdb.pdb.bnl.gov/Format.doc/speclist.txt>
(Yahoo: virus encephalomyelitis) No rating
 This document contains non-English or symbolic text.
Subject: taxonomy update Images: 0 Links: 0
<http://pdb.pdb.bnl.gov/Format.doc/pirtax.Mar94>
(Yahoo: virus encephalomyelitis) No rating
 This document contains non-English or symbolic text.
CUTG: Alphabetical list - E Images: 0 Links: 126 
<http://www.dna.affrc.go.jp/~nakamura/E.html>
(Lycos: virus encephalomyelitis) No rating
 This document contains non-English or symbolic text.
ICTVdB - Universal Virus Database Images: 2  Links: 294 
http://www.tulane.edu/~dmsander/Big_Virology/BVANUIndex.html
1 Retrieval failure (Lycos: virus encephalomyelitis) No rating
 This document contains non-English or symbolic text.
<http://www.pdb.bnl.gov/Format.doc/speclist.txt> Images: 0 Links: 0
<http://www.pdb.bnl.gov/Format.doc/speclist.txt>
(Webcrawler: virus encephalomyelitis) No rating
 This document contains non-English or symbolic text.

CUTG: Alphabetical list - V Images: 0 Links: 49

<http://www.dna.affrc.go.jp:10080/~nakamura/V.html>

(Lycos: virus Venezuelan) No rating

This document contains non-English or symbolic text.

/fas/promed/table2.html Images: 1 Links: 1

<http://www.clark.net/pub/gen/fas/promed/table2.html>

3 Retrieval failures (Lycos: virus Venezuelan) No rating

This document contains non-English or symbolic text.

ICTVdB - Universal Virus Database Images: 2 Links: 501

<http://life.anu.edu.au/viruses/ICTVdB/index.htm>

1 Retrieval failure (Yahoo: virus encephalomyelitis) No rating

This document contains non-English or symbolic text.

CUTG: Alphabetical list - E Images: 0 Links: 126

<http://www.dna.affrc.go.jp:10080/~nakamura/E.html>

(Alta Vista: virus encephalomyelitis) No rating

This document contains non-English or symbolic text.

No Title Images: 0 Links: 0

<http://www.kazusa.or.jp/cyano/orf/search/nbrf/sll0679.nmnm>

1 Retrieval failure (Alta Vista: virus Venezuelan) No rating

This document contains non-English or symbolic text. 44 77 46 pir2:s34670 splicing factor PRP8 yeast (Saccharomyces 33 77 50 pir1:dnbev1 DNA-binding protein human herpesvirus 1 49 77 49 pir1:cobyc2 cyclin 2 yeast (Saccharomyces cerevisiae) 52 77 62 sll0679 pir3:s15010 P1;S15010 hypothetical protein B... 267, 26044-26049, 1992 SCORES Init1: 45 Initn: 95 Opt: 54 17.5% identity.

- **Taxonomy/Venezuelan equine encephalitis virus** Images: 1 Links: 3

<http://atlas.nlm.nih.gov/htbin-post/Taxonomy/wgetorg?id=11036&lvl=3>

(Yahoo: virus encephalitis) No rating

This document contains non-English or symbolic text.

CUTG: Alphabetical list - J Images: 0 Links: 10

<http://www.dna.affrc.go.jp/~nakamura/J.html>

(Yahoo: virus encephalitis) No rating

This document contains non-English or symbolic text.

DBGET Result: PRF 1715391C Images: 0 Links: 6

http://www.genome.ad.jp/htbin/bget_prf?1715391C

(Yahoo: virus encephalitis) No rating

This document contains non-English or symbolic text.

DBGET Result: PRF 1715391B Images: 0 Links: 5

http://www.genome.ad.jp/htbin/bget_prf?1715391B

(Yahoo: virus encephalitis) No rating

This document contains non-English or symbolic text.

-
- <http://life.anu.edu.au/viruses/ICTVdB/26010000.htm> Images: 2 Links: 21

<http://life.anu.edu.au/viruses/ICTVdB/26010000.htm>

(Lycos: virus encephalitis) No rating

Synonym(s): Arbovirus group B. Description is on the taxonomic level of genus. Based on

cross neutralisation tests with single polyclonal hyperimmune mouse ascitic fluids prepared against each of the viruses listed, except where indicated otherwise. 3' terminus has no poly (A) tract.

No Title Images: 2 Links: 12

<http://life.anu.edu.au/viruses/ICTVdB/26012000.htm>

(Alta Vista: virus encephalitis) No rating

Description is on the taxonomic level of species. 3' terminus has no poly (A) tract. 5' terminus has a methylated nucleotide cap.

No Title Images: 2 Links: 12

<http://life.anu.edu.au/viruses/ICTVdB/11010700.htm>

(Alta Vista: virus encephalitis) No rating

Description is on the taxonomic level of serogroup (or complex). Virions composed of 1-2 % nucleic acid; over 50 % protein; 20-30 % lipid. Circular (through hydrogen-bonded ends, sometimes supercoiled); single stranded; RNA.

No Title Images: 2 Links: 11

<http://life.anu.edu.au/viruses/ICTVdB/19010009.htm>

(Alta Vista: virus encephalomyelitis) No rating

Description is on the taxonomic level of species. Coronaviridae Taxon is an approved, but not type, species of the genus. 3' terminus has a poly (A) tract.

DisplayText cannot span more than one line! Images: 10

Links: 13

http://www.ncgr.org/doc/openlk/openlk_102.html

(Yahoo: virus Venezuelan) No rating

-
- [ME-NET home page](#) Images: 0 Links: 5

<http://www.dds.nl/%7Eme-net/>

2 Retrieval failures (Webcrawler: virus encephalomyelitis) No rating

Access statistics (present month)

[CDC Prevention Guidelines](#) Images: 1 Links: 147

http://wwwonder.cdc.gov/wonder/prevguid/titles_d.htm

(Webcrawler: virus encephalitis) No rating

Compendium of Animal Rabies Control, 1996 National Association of State Public Health Veterinarians, Inc. *; 1996:04:12 Recommendations of the Advisory Committee on Immunization Practices: Programmatic Strategies to Increase Vaccination Rates Assessment and Feedback of Provider-Based Vaccination Coverage Information; 1996:03:15 Defining the Public Health Impact of Drug-Resistant Streptococcus pneumoniae Report of a Working Group Appendix Laboratory-Based Surveillance System; 1996:02:16

[CDC Prevention Guidelines](#) Images: 1 Links: 138

http://wwwonder.cdc.gov/wonder/prevguid/titles_a.htm

(Webcrawler: virus encephalitis) No rating

Compendium of Animal Rabies Control, 1994 National Association of State Public Health Veterinarians, Inc. *; 1994:06:17 Compendium of Animal Rabies Control, 1995 National Association of State Public Health Veterinarians, Inc. *; 1995:03:17 Compendium of Animal Rabies Control, 1996 National Association of State Public Health Veterinarians, Inc. *; 1996:04:12

<http://www.biol.tsukuba.ac.jp/%7Emacer/NBBV.html> Images: 0 Links: 9

<http://www.biol.tsukuba.ac.jp/%7Emacer/NBBV.html>

(Webcrawler: virus encephalitis) No rating

■ A general review of bacterial vaccine design is TIBTECH 11 (1993), 506-10; and of new vaccine technologies, JAMA 271 (1994), 929-31. The results of malaria vaccine trials in Tanzania confirm that the Columbian vaccine appears to work; New Scientist (19 Feb, 1994), 7. A paper reporting the antigenic diversity of Plasmodium falciparum, which causes malaria, is Science 263 (1994),... Vaccine therapies are currently under trial against herpes, leprosy, leishmaniasis, tuberculosis, and hepatitis B. An International Society for vaccines
SCOP: Protein: Envelope glycoprotein, central and dimerisation domains from Images: 9

Links: 12

<http://www.peri.co.jp/scop/data/scop.1.006.009.001.001.001.html>

■ (Alta Vista: virus encephalitis) No rating

Bioinformatics Centre - Facilities Images: 0 Links: 0

<http://bioinfo.ernet.in/www/bioinfo/pub11.html>

3 Retrieval failures (Alta Vista: virus encephalitis) No rating

■ A.S. Kolaskar, M. Kutubuddin, M.M. Gore, K. Banerjee and S.N. Ghosh, 1993 Analysis of computer predicted antibody inducing epitope on Japanese Encephalitis Virus, Acta Virologica, 37, 417- 428. Theoretical methods to delineate antibody inducing epitopes have been employed to predict antigenic determinants on envelope glycoprotein (gpE) of Japanese encephalitis (JE), West Nile (WN) and Dengue (DEN) I-IV viruses. A predicted region on JE virus gpE 74CPTTGEAHNEKRAD87 was synthesized, conjugated to KLH(KLH-peptide) and used in immunization of mice.

SCOP: Protein: Envelope glycoprotein, domain III (C-terminal) from Images: 9 Links: 13



<http://pdb.pdb.bnl.gov/scop/data/scop.1.002.001.001.007.011.html>

■ 1 Retrieval failure (Alta Vista: virus encephalitis) No rating

National Chronic Fatigue Syndrome and Fibromyalgia Association Images: 2 Links: 2

<http://www.social.com/health/nhic/data/hr2400/hr2415.html>

1 Retrieval failure (Excite: virus encephalomyelitis) No rating

■ The National Chronic Fatigue Syndrome and Fibromyalgia Association is a non-profit, voluntary organization formed to educate and inform the public, patients and their families, and health professionals about the nature and impact of chronic fatigue... Services include response to inquiries about the condition, educational and resource materials, and referrals to physicians and support groups. The organization also encourages legislative and private funding for research.

-
- No Title Images: 3 Links: 0

<http://bob.usuf2.usuhs.mil/mcb/faculty/node30.html>

(Alta Vista: virus Venezuelan) No rating

■ Grieder, F.B., Davis, N.L. and Johnston, R.E. Specific restrictions in Venezuelan equine encephalitis virus pathogenic process result from single amino acid changes in the glycoproteins.

No Title Images: 1 Links: 0

<http://bob.usuf2.usuhs.mil/mcb/faculty2/grieder.html>

(Alta Vista: virus Venezuelan) No rating

■ Viral pathogenesis can be described as a sequence of steps which ends in disease and potential death of the infected host. The rationale for our genetic approach to VEE pathogenesis is to use molecularly cloned virus mutants which are blocked at different steps and which will thereby define the process of pathogenesis. Three single-site attenuated molecularly cloned VEE mutants and a double-site attenuated mutant have been

characterized in terms of virus replication, spread, reversion to virulence, and pathology induction in adult mice.

- Togaviridae Images: 1 Links: 43
http://life.anu.edu.au/viruses/ictv/fs_togav.htm
(Lycos: virus Venezuelan) No rating
 Family Togaviridae Family Togaviridae Genome: positive sense ssRNA Host: Vertebrates Compiled for the Vith ICTV Report by Strauss JH, Calisher CH, Dalgarno L, the late Dalrymple JM, Frey TK, Pettersson RF, Rice CM, Spaan WJM Index to Taxonomic... Virus name (synonym) followed by [Genomic sequence accession number] (Acronym) Aura virus (AURAV) Virus name (synonym) followed by [Genomic sequence accession number] (Acronym) rubella virus [M15240] (RUBV)
Alphabetical List of Virus Taxa Images: 1 Links: 426
http://life.anu.edu.au/viruses/ictv/vn_inde7.html
2 Retrieval failures (Lycos: virus encephalomyelitis) No rating
 Alphabetical List of ICTV approved Virus Taxa This list of virus species, genera and families in alphabetical order has been compiled from: Lists for acronyms to virus names and genomic sequence accession numbers are presented in similar fashion.
Infectious Diseases of Mice and Rats (AFIP-POLA) Images: 0 Links: 0
<http://vetpath1.afip.mil/micerat.txt>
(Lycos: virus encephalomyelitis) No rating
 Disseminated infection in experimentally inoculated infant mice and immunosuppressed mice, including SCID mice. Lactate Dehydrogenase Elevating Virus (LDHV) 1. Prevalence: rare in laboratory mice, common in wild mice 2. Diagnosis: persistent enzyme elevation in blood. Epizootic Diarrhea of Infant Mice (EDIM) Virus 1. Prevalence: common 2. Diagnosis: serology, lesions (if present), antigen in feces, E.M. of feces (many virions) 3. Disease: Lesions and diarrhea in mice infected at 12 or less days of age.
Economic Entomology28-29/Extracted from 1993-94 INHS Annual Report Images: 1
Links: 17
<http://www.inhs.uiuc.edu/cee/economic-ent30-31.html>
(Yahoo: virus encephalomyelitis) No rating
 A reverse transcription-polymerase chain reaction (RT-PCR) assay has been developed to detect eastern equine encephalomyelitis virus in mosquitoes and in avian tissue samples. A subset of samples in which it is not known whether or not the mosquitoes have the virus will be assembled for a viral plaque assay to assess the reliability of the RT-PCR. restuans from eleven cities in central and southern Illinois provided preliminary data on the seasonal and geographic variation in population dynamics of these two vectors of St. Louis encephalitis.
-
- Sergey A. Dryga Images: 1 Links: 7
<http://www.microbiology.wustl.edu/dept/postdoc/sdryga.html>
1 Retrieval failure (Alta Vista: virus Venezuelan) No rating
 Now I do research on Sindbis virus (Alphaviridae), earlier I worked with Venezuelan Equine Encephalitis virus and Tick-born encephalomyelitis virus (these are alpha- and flaviviridae), and couple of other viruses like variola (just sequencing),... Thesis: "Development of protein expression system based on Venezuelan Equine encephalitis virus and study of

subgenomic 26S RNA promotor of the virus." Research Experience 1992-1994 Research associate, Laboratory of Molecular biology of RNA viruses, Institute of Molecular Biology, SPA "Vector", Koltsovo, Russia 1990-1992 Junior researcher, Laboratory of Molecular biology of RNA viruses, Institute of...

[promed-1994: PROMED: Sabia and other rodent-borne viruses](http://www.healthnet.org/promed1994-hma/0002.html) Images: 0 Links: 8 
<http://www.healthnet.org/promed1994-hma/0002.html>

(Lycos: virus Venezuelan) No rating

 [promed-1994: PROMED: Sabia and other rodent-borne viruses](#) Mon, 22 Aug 1994 22:01:45 0400 (EDT) Messages sorted by: [date] [thread] [subject] [author] Next message: John P. Woodall: "PROMED: Saba virus Yale researcher" Previous message: John P. Woodall: "PROMED: ProMED BB questions" Sabia virus is in... coat), thus grouped with LCM and the viruses of Argentinian, Bolivian and

[mbox: S.American hemorrhagic fevers](http://www.healthnet.org/promed1995-hma/0419.html) Images: 0 Links: 8 
<http://www.healthnet.org/promed1995-hma/0419.html>

(Lycos: virus Venezuelan) No rating

 Fri, 16 Jun 1995 16:26:00 0400 Messages sorted by: [date] [thread] [subject] [author] Next message: jack.woodall@wadsworth.org: "Dengue in the Americas" Previous message: jack.woodall@wadsworth.org: "Yellow fever Peru" SOUTH AMERICAN HEMORRHAGIC... A new member of this group of rodent-borne viruses has been discovered on the average of every three years since the first was isolated in 1956. Each of these diseases exemplifies a different aspect of the natural history of these viruses and their interaction with man.

[EMERGING AND RE-EMERGING VIRUSES: AN ESSAY](http://www.uct.ac.za/microbiology/ebolaess.html) Images: 0 Links: 27 
<http://www.uct.ac.za/microbiology/ebolaess.html>

1 Retrieval failure (Webcrawler: virus encephalomyelitis) No rating

 Vibrio cholerae O139 in Asia Vibrio cholerae O1 in Latin America Yellow fever virus in Kenya Rift Valley fever virus in Egypt E coli O157:H7 disease in South Africa and Swaziland To quote Donald A. Henderson of the U.S. Office of Science and... The most frequent factor in emergence is human behaviour that increases the probability of transfer of viruses from their endogenous animal hosts to man. Maintenance hosts are essential for the continued existence of the virus, usually living in symbiosis with the viruses, without actual disease, but they do develop antibodies.

[mbox: Louping ill virus, grouse chicks: Arbovirus Info Exchange \(5\)](http://www.healthnet.org/promed1995-hma/1140.html) Images: 0 Links: 8 
<http://www.healthnet.org/promed1995-hma/1140.html>

(Lycos: virus encephalomyelitis) No rating

 For the past few years, we have been involved in a collaborative research project investigating the epidemiology of LI in Scotland and Northern England. Controls also included a 10% suckling mouse brain suspension of LI virus. LI virus was isolated from the brains and blood of chicks dying from the infection.

[Topographical Maps](http://www.bocklabs.wisc.edu/topo.html) Images: 4  Links: 13 
<http://www.bocklabs.wisc.edu/topo.html>

(Yahoo: virus encephalomyelitis) No rating

 The topography is illustrated by coloring surface regions as a function of the distance to the center of the virus. Chapman MS (1993) Mapping the surface properties of macromolecules. Kim S, Beoge U, Krishnaswamy S, Minor I, Smith TJ, Luo M, Scraba DG, Rossmann MG (1990) Conformational variability of a picornavirus capsid: pH-dependent structural changes of Mengo virus related to its host receptor attachment site and disassembly.

[Antibody, Arbovirus Encephalitis](http://www.pds.med.umich.edu/refs/UMPathHandbook/Path_Lab_Handbook/EncephalitisxAntibodyx.html); Images: 0 Links: 0

http://www.pds.med.umich.edu/refs/UMPathHandbook/Path_Lab_Handbook/EncephalitisxAntibodyx.html

1 Retrieval failure (Lycos: virus encephalitis) No rating

Obtain convalescent specimen 10-14 days after acute specimen is taken. If a history form has been sent on a previous specimen a new form is not needed. Rejection Criteria: Failure to collect a convalescent serum, failure to complete CDC history form for California encephalitis request, inadequate labeling, excessive hemolysis, chylous serum or gross contamination of the specimen.

[promed-1994: PROMED: Mystery horse virus - Australia](http://www.healthnet.org/promed1994-hma/0035.html) Images: 0 Links: 8

(Lycos: virus encephalitis) No rating

PROMED: Mystery horse virus Australia Mon, 3 Oct 94 10:16:09 EDT Messages sorted by: [date] [thread] [subject] [author] Next message: woodall@wadsworth.org: "PROMED: Emerging diseases 1993-94" Previous message: De Quadros, Dr. Ciro C.A.: "PROMED: Polio eradication Americas" MYSTERY... A leading Australian horse trainer died 27 Sep., a week after being stricken

[NMSS: Current Research Updates](http://www.nmss.org/msinfo/current_research/updates/RMP2595.html) Images: 1 Links: 8

(Lycos: virus encephalitis) No rating

In the August 1, 1995, issue of the Proceedings of the National Academy of Sciences (PNAS), Dr. Glenna Burmer and colleagues provide results of studies conducted on autopsied brain samples from individuals with MS and individuals with one of a number... Using sophisticated molecular biology techniques, the research team found evidence of HHV-6 virus in over 70% of both MS and non-MS brain samples, indicating that the virus is commonly present in human brain tissue. However, using more traditional monoclonal antibody techniques to search for the location of virus in brain samples, the scientists found HHV-6 inside oligodendrocytes the cells that make and maintain myelin which is damaged in MS in 12/15 MS samples...

[Ebola Interview](http://outcast.gene.com/ae/WN/NM/interview_murphy.html) Images: 2 Links: 14

(Webcrawler: virus encephalitis) No rating

Dr. Murphy is considered one of the world authorities on viruses. Q: The book "The Hot Zone" and more recently the film "Outbreak" have brought public attention to the reality of emerging viruses and potentially disastrous epidemics. Q: Please explain how Ebola and the other filoviruses are classified and how they are related to other known viruses?

[WWW Server for Virology, UW-MADISON](http://www.bocklabs.wisc.edu/Welcome.html) Images: 26 Links: 121

(Webcrawler: virus encephalitis) No rating

Robert M. Bock Laboratories University of Wisconsin The "Marburg and Ebola" chapter from the Encyclopedia of Virology CD-ROM Mad Cow Disease [theoretically classified as a "slow virus," a "prion," or a "virino." Animal Virus Information System a database on over a thousand animal viruses The Picornavirus Home Page of Nick Knowles, Pirbright, UK Microbiology & Immunology Dept, Univ of Rochester Medical Center Department of Microbiology, College of Physicians...

<http://www.gn.apc.org/inquirer/moxon.html> Images: 2 Links: 2

(Webcrawler: virus encephalitis) No rating

[See my previous article "How the UK Health Authorities gambled to save costs with the health of 8 Million children."] These parents believe their children may have been damaged by measles and german measles (rubella) vaccinations last November. The parents of another child received a letter from their consultant paediatrician that stated: "This is to confirm that Andrew seems to be suffering as a result of the previous vaccination. Many doctors are reported by parents as quickly dismissing any suggestion that a vaccination could have

caused their child's illness even when the vaccine's manufacturers list as possible but rare.

MARBURG AND EBOLA VIRUSES Images: 1 Links: 0

<http://www.bocklabs.wisc.edu/eov-ebola.html>

1 Retrieval failure (Excite: virus encephalomyelitis) No rating

Marburg, both subtypes of Ebola (Ebola-Zaire and Ebola-Sudan) and Reston viruses are members of a new family of negative-stranded RNA viruses, the Filoviridae. The filoviruses are similar in morphology, density and polyacrylamide gel electrophoresis... Originally classified as rhabdoviruses, they appear to be more closely related to paramyxoviruses on the basis of recent genome sequence data. However, filoviruses are sufficiently distinct from the other nonsegmented negative-stranded RNA viruses to warrant taxonomic status as a separate virus family.

Virus Database Images: 237 Links: 237

<http://ciac.llnl.gov/ciac/CIACVirusDatabase.html>

1 Retrieval failure (Excite: virus Venezuelan) No rating

The purpose of this database is to identify most of the known viruses for the Macintosh and PC, and give an overview of the effects of each virus. This database is revised periodically, as new virus information becomes available. The rationale being that reliable hear-say information is better than nothing when dealing with a virus.

The Garry Lab Web Pages-WWW Virology Servers: More... Images: 8 Links: 171

<http://www.tulane.edu/~dmsander/garryfavweb11.html>

(Excite: virus encephalitis) No rating

Xiong's Virology Page Molecular biology of several small RNA and DNA viruses and their interaction with plants are being investigated in the Xiong laboratory. The different methodological approaches used in the laboratory cover various aspects of protein biochemistry, immunology and molecular biology with the primary focus being targeted towards the development of both vaccine and anti-viral strategies for... Herpes Simplex virus, course notes Herpesviruses A Tutorial from the University of Leicester (UK) This is a short description with movies summarizing structural studies on herpes simplex virus capsids. This lab was the first in the world to publish the...

Arboviruses Images: 7 Links: 1

<http://wwwminer.lib.rochester.edu/wwwml/SteveDFolder/ulmir/Arboviruses.html>

(Excite: virus encephalitis) No rating

There are a large (>500) group of enveloped RNA viruses which are transmitted primarily (but not exclusively) by Arthropod vectors (mosquitoes, sand-flies, fleas, ticks, lice, etc) and which were previously grouped together under the name... Togaviruses and Flaviviruses are classified on the basis of haemagglutination-inhibition, neutralization and complement fixation (CF); Bunyaviruses into 10 groups by CF (but many are still unclassified); Arenaviruses by (unique) serotypes. All are enveloped: Togaviruses: Spherical, 60-65nm; Capsid: 180 monomers, icosahedral, T=3; Envelope: 80 trimer spikes, T=4 arrangement, 2/3 different types of spike.

Ebola Interview Images: 2 Links: 14

http://www.gene.com/ae/WN/NM/interview_murphy.html

(Excite: virus encephalitis) No rating

Dr. Murphy is considered one of the world authorities on viruses. Q: The book "The Hot Zone" and more recently the film "Outbreak" have brought public attention to the reality of emerging viruses and potentially disastrous epidemics. Q: Please explain how Ebola and the other filoviruses are classified and how they are related to other known viruses?

- Alphavirus promoter region Images: 1 Links: 3
<http://www.microbiology.wustl.edu/sindbis/Jseq>

3 Retrieval failures (Alta Vista: virus Venezuelan) No rating

Contributions and suggestions are welcomed, please send them to huang@borcim.wustl.edu Sequence comparison of the promoter region Sequence identities are indicated by dashes. The sequence from about 40 to +14 is 3-6 fold more active than the minimal promoter.

Protein Data Bank Page Images: 1 Links: 9

<http://www.ncsa.uiuc.edu/Apps/CB/pdb/1tme.html>

(Lycos: virus encephalomyelitis) No rating

EMBL Virus Structure Resource Images: 12 Links: 99

<http://www.embl-heidelberg.de/ExternalInfo/fuller/icos0.html>

(Lycos: virus encephalitis) No rating

In particular, the original set of programs was based on the premise that the user would determine by eye the orientation of the particles used for reconstruction, whereas the new programs use the common lines residual to find the orientations and... All orientations (theta, phi, omega) in the asymmetric unit are searched in one degree steps for the lowest common-lines residual after weighting for degeneracy. Centering EMICOORG1 (ORG1) EMICOORG1 minimizes the common-lines residual to determine the phase origin (X,Y) for the particle in the orientation (theta, phi, omega) given by FV.

BankIt -- GenBank submissions by WWW Images: 0 Links: 0

<http://www.nick.med.usf.edu/submit.html>

1 Retrieval failure (Excite: virus encephalomyelitis) No rating

World-Wide Web Servers/W3 servers Images: 1 Links: 106

<http://www10.w3.org/hypertext/DataSources/WWW/Geographical.html>

(Yahoo: virus Venezuelan) No rating

A part of these services is placing information of academic or commercial interest on these WWW pages. Currently has pages on analog to digital and multifunction PC cards and associated software products. UND Natural Products Research Group The first chemistry home page in Africa: provides information about Natural Products Research at the University of Natal and links to other chemistry-related places on the Net.

- Fujinami, Robert Images: 4 Links: 0

<http://www-medlib.med.utah.edu/molbio/faculty/fujinami.html>

(Lycos: virus encephalomyelitis) No rating

We follow the spread of the virus in the mouse by immunohistochemistry, in situ hybridization and viral plaque assays and relate this to the development of disease. To this end we determine the role of antiviral antibodies, CD4 and CD8 positive T cells in viral clearance versus immune mediated disease. The viral peptides when injected into the appropriate host could initiate the production of autoantibodies, cellular reactivity to host proteins and development of autoimmune disease.

Turku Immunology Centre Images: 2 Links: 3

<http://www.utu.fi/org/tic/projects/salmi.html>

(Lycos: virus encephalomyelitis) No rating

Measles virus (MV) has most often been connected to MS as an etiological or contributing factor. Virus infection of immunological cells in vitro and EAE in mouse are the basic models used in these studies. Production of recombinant viruses with defined genes.

JOURNAL OF VIROLOGY TOC Vol:69 No:12 - December 1995 Images: 0 Links: 0

<http://journals.at-home.com/ASM/JVI/jvi1295.html>

(Lycos: virus encephalomyelitis) No rating

The 3' Untranslated Region of Picornavirus RNA: Features Required for Efficient Genome Replication Jonathan B. Rohll, David H. Moon, David J. Evans, and Jeffrey W.

Almond 7835-7844 Cellular Factors Required for Papillomavirus DNA Replication Thomas Melendy, Juhan Sedman, and Arne Stenlund 7857-7867 The Coxsackievirus A9 RGD Motif Is Not Essential for Virus Viability Pamela J. Hughes, Christine Horsnell, Timo Hyypiä, and Glyn Stanway 8035-8040

RAY'S VIROLOGY HOME PAGE Images: 27  Links: 34 

<http://fiona.umsmc.edu/%7EYar/home.html>

8 Retrieval failures (Webcrawler: virus encephalitis) No rating

- No Title Images: 3  Links: 0

<http://bob.usuf2.usuhs.mil/mcb/faculty/node29.html>

(Alta Vista: virus Venezuelan) No rating

 Viral pathogenesis can be described as a sequence of steps which ends in disease and potential death of the infected host. The rationale for our genetic approach to VEE pathogenesis is to use molecularly cloned virus mutants which are blocked at different steps and which will thereby define the process of pathogenesis. Three single-site attenuated molecularly cloned VEE mutants and a double-site attenuated mutant have been characterized in terms of virus replication, spread, reversion to virulence, and pathology induction in adult mice.

Images: 4  Links: 7 

http://www.cdc.gov/epo/mmwr/other/case_def/rabies.html

(Alta Vista: virus encephalomyelitis) No rating

 Rabies, Animal Laboratory criteria for diagnosis A positive direct fluorescent antibody test (preferably performed on central nervous system tissue) Isolation (in cell culture or in a laboratory animal) of rabies virus from saliva, cerebrospinal fluid (CSF), or central nervous system tissue, or

PUBLIC HEALTH FACT SHEET: Eastern Encephalitis Images: 0 Links: 1 

<http://vh.radiology.uiowa.edu/Patients/IowaHealthBook/PublicHealthFactSheet/EasternEncephalitis.html>

(Lycos: virus encephalitis) No rating

 The virus grows in birds that live in freshwater swamps, and is usually found only in these birds and in mosquitoes that do not bite people. Sometimes the virus gets picked up by other kinds of mosquitoes that bite horses and people. There is no cure for EE, and three of every ten people who get the disease die from it.

Eastern Encephalitis - A Fatal Mistake Images: 0 Links: 1 

<http://hammock.ifas.ufl.edu/text/original/encephal.html>

1 Retrieval failure (Lycos: virus encephalitis) No rating

 Eastern Encephalitis A Fatal Mistake Eastern encephalitis, also called eastern equine encephalitis and abbreviated EE, is a fatal disease of humans and horses caused by a virus carried by mosquitoes. The entire story is unknown but enough facts have been gathered to construct the following life history: During warm months when *C. melanura* breeds, there are usually plenty of small birds around for adult mosquitoes to feed on. As far as we know, the immunity keeps the birds from becoming infected again. Only newly infected birds can serve as a source of virus for mosquitoes.

Diagnostic Lab at NYSCVM Images: 8  Links: 2 

<http://zoo.vet.cornell.edu/DL/dl.html>

1 Retrieval failure (Webcrawler: virus encephalitis) No rating

 The Diagnostic Laboratory has always worked closely with veterinarians in diagnosing epizootic disease and in research and vaccine development in order to control these diseases. In 1966, the laboratory also began cooperative efforts with the College of Veterinary

Medicine at Cornell University and the New York State Department of Agriculture and Markets to monitor and control animal disease problems in New York State. A committee of out-of-state experts in animal disease control was commissioned by the Department of Agriculture and Markets to make a detailed assessment of laboratory needs in New York State.

[mbox: VHF/Guanarito virus - Venezuela](#) Images: 0 Links: 8 

<http://www.healthnet.org/promed1995-hma/0604.html>

 (Lycos: virus Venezuelan) No rating

[mbox: Me Tri virus in man & livestock - Vietnam](#) Images: 0 Links: 8 

<http://www.healthnet.org/promed1995-hma/0603.html>

(Lycos: virus encephalitis) No rating

 The 2 isolates are distinguishable subtypes sera may contain HI antibodies to one but not the other. Sera from cattle, pigs, horses and monkeys (colonized rhesus, Macaca mulatta) taken between 1974 and 1992, but not ducks or chickens, had HI antibody.

[Exposure to Human Contaminates](#) Images: 51  Links: 143 

<http://ourworld.compuserve.com/homepages/firstmed/exproto.htm>

1 Retrieval failure (Webcrawler: virus encephalitis) No rating

 The (contact/subject) person whose blood was drawn must be tested for Hepatitis (all forms) and HIV Anyone who may have had blood contact with the subject should also have the same tests. However, if blood is unavailable from the subject, then the individual should be re-tested in 6 months for Hepatitis and HIV No special precautions or off work status is necessary in either case. Oozing wounds, whether clear fluid or blood, may contain blood borne infections and should be treated just as in Exposure to Blood (b.2 above).

[NEUROLOGICAL DISEASES CAUSED BY VIRUSES](#) Images: 0 Links: 12 

<http://medix.mmi.uct.ac.za/~jmoodie/neurol2.html>

1 Retrieval failure (Excite: virus encephalomyelitis) No rating

 acute diseases and chronic syndromes The pathology may be due either to viral multiplication in the cells of the brain, or due to the (misdirected) immune response of the host post infectious encephalo-myelitis Where virus replicates in the brain,... The two known human polyoma viruses are: JC Progressive multifocal leuco-encephalopathy BK isolated from urine of immunosuppressed patients dsDNA genome small icosahedral particles, 42-45 nm grows in human foetal glial cell cultures (JC) Progressive... Scrapie sheep, goats Bovine spongiform encephalopathy cattle Transmissible Mink encephalopathy mink Creutzfeldt-Jakob disease man, sporadic and familial Gerstmann-Streussler disease man, familial Fatal Familial Insomnia man, familial Kuru man, Fore...

-
- [BMBL - Section VII - Table B](#) Images: 0 Links: 0

<http://www.oehs.upenn.edu/bio/bmb/section7tabb.html>

(Alta Vista: virus Venezuelan) No rating

 Table B. Vaccine Strains of BSL 3/4 Viruses Which May be Handled at BSL 2

http://www.ucmb.ulb.ac.be/pdb_annot_jan94 Images: 0 Links: 0

http://www.ucmb.ulb.ac.be/pdb_annot_jan94

(Webcrawler: virus encephalomyelitis) No rating

 L. L. Walsh, "Annotated PDB File Listing", personal communication, (1994). LLW was supported by a grant from the National Science Foundations (NSF-DIR90-19063) during the early development of this work. Date begun: November, 1990 Latest revision: April, 1994 (includes Jan, 1994 update) This file is an annotation of all of the Brookhaven Protein Data Bank files with actual coordinates.

[Vertebrate Japanese encephalitis virus vector NS1 pARAUG - incomplete.](#) Images: 12 

Links: 3 

http://biology.queensu.ca/~miseners/vector_descrip/PARAUG.html

(Alta Vista: virus encephalitis) No rating

 Vertebrate Japanese encephalitis virus vector NS1 pARAUG incomplete.

No Title Images: 1  Links: 3 

<http://www.iglou.com/delaney/aviand.html>

(Alta Vista: virus encephalitis) No rating

 Here is a guide to assist you if you are having difficulty with these changes , or you can contact us directly.

Daniel E. Szumlas Images: 1  Links: 0

<http://ent2.ent.ncsu.edu/STUDENTS/szumlasd.html>

1 Retrieval failure (Alta Vista: virus encephalitis) No rating

 Daniel E. Szumlas Degrees: B.S. Purdue University; M.S. Oklahoma State University

<http://www.orcbs.msu.edu/biological/BMBL/sec7tabb.htm> Images: 0 Links: 0

<http://www.orcbs.msu.edu/biological/BMBL/sec7tabb.htm>

(Alta Vista: virus encephalomyelitis))

 Table B. Vaccine Strains of BSL 3/4 Viruses Which May be Handled at BSL 2
VIRUSVACCINE STRAIN Chikungunya131/25 JuninCandid #1 Rift Valley fever (20)MP-12 Venezuelan equine encephalomyelitisTC-83 Yellow fever17-D Converted and edited by Stefan Wagener (stefan@msu.edu) at Michigan State University

Tests performed at CSU DL/DIAGNOSTIC TESTS PERFORMED @ CSU Images: 1 

Links: 93 

<http://vth1.vth.colostate.edu/./dlab/testlist.html>

(Yahoo: virus encephalitis) No rating

 Tests performed at CSU DL DIAGNOSTIC TESTS PERFORMED @ CSU This is a partial listing of tests performed at the Colorado State University Diagnostic Laboratory.

BMBL - Section VII - Table B Images: 0 Links: 0

<http://biosafety.ihe.be/GB/USA/CDCManual/sec7tabb.html>

(Alta Vista: virus encephalomyelitis) No rating

 Table B. Vaccine Strains of BSL 3/4 Viruses Which May be Handled at BSL 2
VIRUSVACCINE STRAIN Chikungunya131/25 JuninCandid #1 Rift Valley fever (20)MP-12 Venezuelan equine encephalomyelitisTC-83 Yellow fever17-D Converted and edited by Stefan Wagener (stefan@msu.edu) at Michigan State University

<http://www.csr.d.uiuc.edu/koufaty/veca/>

1 Retrieval failure (Excite: virus Venezuelan) No rating

Herpes Encephalitis: T2-weighted MR – image #12 Images: 4  Links: 11 

<http://www.med.harvard.edu/AANLIB/cases/case25/mr1/012.html>

(Excite: virus encephalitis) No rating

 It tends to attack a part of the brain known as the "limbic system", a set of interconnected brain structures responsible for the integration of emotion, memory, and complex behavior. HSV is ubiquitous, but fortunately, only 1 or 2 cases per million infected individuals develop the encephalitis of HSV each year in the US. In this set of images, there is a region of very bright signal on MR (and high blood flow on SPECT; use the "type" button) in the medial temporal lobe at left (patient's right).

Taxonomy/Venezuelan equine encephalitis virus (strain 3880) Images: 1  Links: 3 

<http://atlas.nlm.nih.gov/htbin-post/Taxonomy/wgetorg?id=36382&lvl=3>

 (Yahoo: virus encephalitis) No rating

Emerging Infectious Diseases Close to Home Images: Links:
<http://www.ticllc.net/~ahcpub/112704.html>
6 Retrieval failures (Alta Vista: virus Venezuelan)

Converted Document Images: Links:
<http://www.colostate.edu/Depts/IPM/natparks/mosquito.html>
6 Retrieval failures (Alta Vista: virus Venezuelan)

<http://history.cc.ukans.edu/carrie/news/123/950514.all> Images: Links:
<http://history.cc.ukans.edu/carrie/news/123/950514.all>
6 Retrieval failures (Webcrawler: virus Venezuelan)

<http://history.cc.ukans.edu/carrie/news/123/950509.all> Images: Links:
<http://history.cc.ukans.edu/carrie/news/123/950509.all>
6 Retrieval failures (Webcrawler: virus Venezuelan)

Computer Viruses Images: Links:
<http://www.phoenix.net/~leigh/fun/virus.html>
8 Retrieval failures (Lycos: virus Venezuelan)

CRL - Significance of GD-7 Antibody Titers in Rats Images: Links:
<http://www.criver.com/techdocs/ratgd7.html>
7 Retrieval failures (Alta Vista: virus encephalomyelitis)

HUMAN RABIES Images: Links:
<http://bio.taiu.edu/class/ksjcr00/humanrab.html>
7 Retrieval failures (Alta Vista: virus encephalomyelitis)

Feedback Images: Links:
<mailto:suggestions.altavista@pa.dec.com>
8 Retrieval failures (Alta Vista: virus Venezuelan)

Proventricular Dilatation Disease (PDD) Images: Links:
http://www.mecca.org/%7Erporter/PARROTS/no_pds.html
7 Retrieval failures (Webcrawler: virus encephalomyelitis)

Economic Entomology Introduction Page Images: Links:
<http://denr1.igis.uiuc.edu:70/0h/cee/economic-ent-intro.html>
7 Retrieval failures (Webcrawler: virus encephalomyelitis)

BIBLIOGRAPHIC RECORD, 1994 Images: Links:
<http://floreys.biosci.uq.edu.au/Biblio1994.html>
7 Retrieval failures (Webcrawler: virus encephalomyelitis)

<ftp://ftp2.cc.ukans.edu/pub/hmatrix/medlst03.txt> Images: Links:
<ftp://ftp2.cc.ukans.edu/pub/hmatrix/medlst03.txt>
7 Retrieval failures (Webcrawler: virus encephalomyelitis)

113.200 General requirements for killed virus vaccines Images: Links:
<http://aphisweb.aphis.usda.gov/bbep/vb/9cfrs/200216.html>
7 Retrieval failures (Lycos: virus encephalomyelitis)

Infectious Diseases of Mice and Rats Images: Links:
<http://vetpath.afip.mil/micerat.txt>
7 Retrieval failures (Lycos: virus encephalomyelitis)

Subject: Journal of Virology, vol. 66, no. 11, November 1992 Images: Links:
<ftp://net.bio.net/pub/BIOSCI/bionet/journals/contents/627>
7 Retrieval failures (Yahoo: virus encephalomyelitis)

Bio-Corp Images: Links:
<http://www.gatewayads.com/30896/biocorp2.html>
4 Retrieval failures (Webcrawler: virus encephalitis)

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