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KEEPING UP TO DATE

Staying abreast of the rapidly expanding chemical and biochemical literature is an ongoing challenge to scientists and science educators. For the chemist, biochemist, or chemical engineer, searching patent documents and sources for unique or special materials is also a potentially time-consuming task. For students studying the chemical or biochemical sciences, facilitated access to current and past literature is essential. A tool that addresses these needs and more is SciFinder from the Chemical Abstracts Service of the American Chemical Society.

SciFinder is an Internet-based workstation host that enables integrated searches of databases maintained by Chemical Abstracts Service. These databases contain chemical names, Chemical Abstracts registry numbers, chemical structures, chemical reactions, biosequence information (both DNA and protein), chemical properties data, chemical supply sources, and regulatory information. Literature searching by the program includes access to the MedLine database. The package is available for either pentium or PowerPC-based computers.

Virtually all of the features of SciFinder may be accessed from a main menu bar or a task screen. Searches in SciFinder initiated from the task screen offer several search modes using chemical substance or reaction type, nucleotide or protein sequence, a general research topic, or an author. Other features of the program permit the user to browse tables of content from journals, connect to full text articles or documents, and link to Internet resources. A "Keep Me Posted" feature can be used to extract documents and references that pertain to the individual's interest profile or search strategies and collect them into a reference list. SciFinder's "Explore with Panorama" option, which categorizes key concepts and substances in the search results so the user can visualize relations among them, could also prove useful. Access to these features is gained through specific task units, or structures, that may be purchased in batches or with unlimited services, depending on the specific needs of the organization or individual.

SciFinder's useful functions come at substantial cost. The pricing for the basic subscription with unlimited access for 20 scientists is quoted as \$73,000, with an additional \$44,000 required for the substructure search and database access. For institutions or companies that do not require unlimited access, subscriptions are also available as groups of task units, starting from \$7300. Faculty and students at undergraduate educational institutions, as well as doctoral-granting institutions, may purchase the basic SciFinder features under a special pricing structure. This pricing should be considered in the context of the convenience of accessing the text from the desktop by the program.

—Allen B. Rawitch

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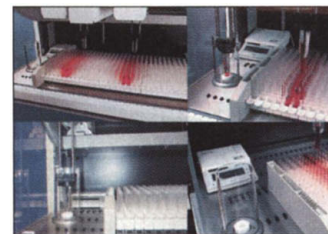
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CONTINUED ON PAGE 2220

the reagent bottle, minimizing the loss of expensive reagents. The dispensing cassette is easily detachable and autoclavable to ensure sterile conditions and to avoid cross contamination.

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SPSS Science Software

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LITERATURE

Discover Predictive Power in Your Data describes the data-mining software Clementine. Such programs were originally developed as business applications, but the large data volumes

produced by the human genome and other projects, such as high-throughput screening, combinatorial chemistry, and microarrays, are making them useful in bioinformatics. Clementine discovers meaningful patterns and relationships in complex data. The program can be used for structure/activity relationships, toxicology properties, gene/drug relationships, and gene expression data. While the basic approach to data mining clusters samples into groups that have some common characteristics, Clementine not only looks for patterns in the data but also starts to predict trends and events. The program Clementine Microarray CAT offers preconstructed application streams for the analysis of microarray gene expression data, providing a basic outline for analyzing gene expression data representing the best statistical practices in the field.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturer or supplier by visiting www.scienceproductlink.org on the Web, where you can request that the information be sent to you by e-mail, fax, mail, or telephone.

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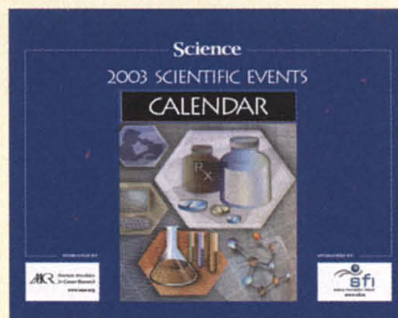
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Science is proud to present its annual Events Calendar

Sponsored by:

American Association for Cancer Research

Science Foundation Ireland



This special pullout calendar can be used as a reference tool throughout the year to help you plan your attendance at important meetings and events. Attending meetings and events helps you broaden your knowledge in your field, keep abreast of the latest breakthroughs and product introductions, and — most important — further your career.

Visit www.sciencemeetings.org throughout the year to search for additional events that may not appear on this calendar.

The Science Office of Publishing and Member Services compiled the 2003 events calendar from listings submitted by events organizers from around the world. If your event was not included, please be sure to contact our sales department in order to be included on our promotion list for the 2004 calendar.

For full details contact:

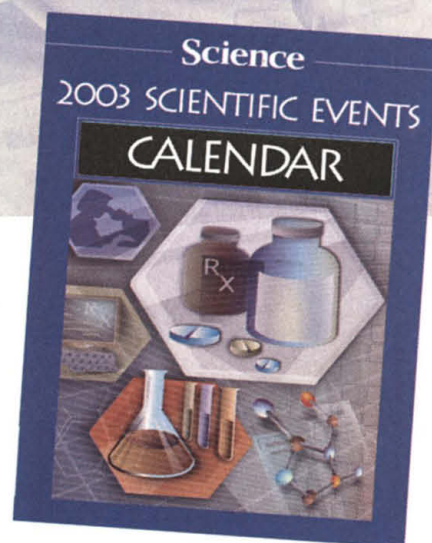
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AAAS Science

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A YEAR OF MEETING SCIENTIFICALLY

Introducing a calendar of meetings and conferences for the year 2003



Meetings and conferences provide major means of enabling the communication so central to the practice of science and public understanding of it. These kinds of events facilitate the exchange of ideas in scientific sessions, promote new knowledge through lectures and poster sessions, publicize new tools and technologies in exhibit halls, and provide general opportunities to network in all those circumstances.

The pullout calendar that appears on the following pages illustrates the breadth and depth of opportunities represented by scientific meetings convened by many science-related organizations. Compiled by the American Association for the Advancement of Science's Office of Publishing and Member Services on the basis of submissions to a dedicated website, it contains a list of everything from small seminars to major world congresses. It provides a valuable resource for all working scientists, and particularly those interested in forthcoming meetings in fields different from but relevant to their own.

In publishing the calendar, *Science* is furthering the basic mission of the AAAS. "A core goal," says AAAS CEO Alan Leshner, "is fostering communication among scientists and between the scientific community and the public."

A key block of dates to note is February 13 to 17, during which the AAAS will host its Annual Meeting and Science Innovation Exposition in Denver, Colorado. "The annual meeting gives us a unique opportunity to bring together cutting edge thinking from all fields of science and technology," says Leshner. "We also use our ability to convene people to make sure that the products of science can be incorporated as rapidly as possible into societal impacts. The meeting provides a wonderful cafeteria for people with broad scientific interests."

The nature of the annual meetings has continually evolved since the gathering that founded the AAAS in September 1848. For the first few decades of the 20th century, for example, they served largely to bring together scientists from disparate disciplines. In the years following World War II, AAAS used the annual meetings to promote science to a gener-

al public increasingly enthusiastic about the results of research. And recently AAAS has encouraged more specialists to attend the meetings in search of advances in their own fields. "We're trying to strike a balance between breadth and enough depth that specialists can find the meeting particularly useful to them but still enjoy sampling across fields," says Leshner. "We're trying to provide both breadth and depth."

This year's event has a broad emphasis on "Science as a Way of Life." Meeting organizers also plan to feature several secondary themes. They include meeting tracks focusing on science and human culture; the nature of science's structure, networking, and governance; the science and technology of life; science and uncertainty; interactions between science, technology, and engineering; the evolution of evolutionary ideas; the understanding and prediction of natural disasters; science's reaction to "intended" disasters such as terrorism; neuroinformatics; and events beyond the human genome.

Another key meeting is the 28th annual AAAS Colloquium on Science and Technology Policy, to take place on April 10 and 11 in Washington, D.C. "Trends in science funding are moving rapidly," says Leshner. "The colloquium provides a wonderful opportunity to have analyses not only of the distribution of funding for science but of its implications as well. It gives us a way to make sure that the dialogue between the scientific community and the policy community stays vital. It helps to ensure that policy makers have been exposed to the latest scientific thinking on the issues, and at the same time to guarantee that, when people are making policies that impact science, there is a venue for input from the scientific community."

FOR MORE INFORMATION...

Three websites will continuously provide new information about scientific events taking place in 2003. For more events, conferences, meetings, and training sessions, you can visit www.sciencemeetings.org; the site, updated weekly, provides links to the websites of events' hosts for registration and further details. The most recent information on the AAAS Annual Meeting in February is available at www.aaas.org/meetings. And fresh details about April's Colloquium on Science and Technology Policy appear at www.aaas.org/spp/rd/colloqu.htm.

Those two meetings represent the most obvious public face of AAAS. However, the organization maintains a presence behind the scenes throughout the scientific year whenever issues relevant to the scientific community arise. "AAAS is the largest general scientific society in the world," Leshner explains. "For that reason it is frequently called on to speak on behalf of the scientific enterprise. We work hard to make sure that we are in close communication with the diverse scientific community so that we can best represent its views."

—by Peter Gwynne



*American Association for **Cancer Research***

www.aacr.org

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Progress against cancer depends on the high-quality innovative research of dedicated scientists and the widespread, rapid dissemination and integration of important new findings. Founded in 1907, the American Association for Cancer Research (AACR) has made major contributions to the advancement of cancer research through programs and activities that promote research, communication, education, and training throughout the world. Through its vigorous advocacy, it has emphasized the vital importance of increased funding for cancer research, in order to more swiftly achieve the prevention and cure of cancer.

AACR, the largest professional organization devoted to cancer research in the world, consists of more than 19,000 laboratory and clinical scientists, health care professionals, and survivor advocates engaged in cancer research in the United States and in more than 60 other countries.

AACR's **Annual Meeting** is the premier meeting for cancer researchers worldwide working in all sub-disciplines of the cancer field. About 15,000 participants from more than 60 countries across the globe gather each spring to present and discuss nearly 6,000 proffered papers and to hear more than 250 invited presentations of new and significant discoveries in basic, clinical, and translational cancer research.

The popular AACR **Special Conferences Series** presents unparalleled opportunities for top researchers to meet with colleagues from around the world to discuss the most up-to-date findings on a focused topic in a rapidly developing area of cancer research. Highlighting 8-10 emerging areas of basic, translational, and clinical cancer research each year, the series includes several international meetings and is presented in collaboration with other international cancer organizations.

AACR hosts four intensive week-long **Educational Workshops** each summer to train early-career investigators in molecular cancer research, pathobiology of cancer, and the principles of good clinical trial design, with unique opportunities for training, mentorship, and networking with world-renowned senior researchers.

AACR communicates new findings in cancer and biomedical research rapidly through its five peer-reviewed scientific journals. With a combined circulation approaching 22,000, the journals of the AACR are the pre-eminent place to publish and to read about the most exciting new developments in cancer research.

AACR's long history of achievements, its programs, and its reputation for breadth and excellence in science continue to attract researchers who are a major force in promoting the conduct of quality cancer research in both the laboratory and the clinic, and in contributing to public awareness about cancer.

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Erich Bloch
Former Director, U.S. National Science Foundation

Science Foundation Ireland,

the national foundation for excellence in scientific research, awards some of the largest grants of any government science agency in the world. We are proud to welcome the following recipients of our largest and most prestigious awards, the **SFI Fellow Award**:

Professor David Parnas, who will move his team from McMaster University to the University of Limerick. Dr. Parnas's research will create mathematical models, methodologies, and tools used in developing reliable and robust software.

Professor Christopher Dainty, who will move his team from Imperial College London to National University of Ireland, Galway. Dr. Dainty's research in optical imaging techniques will have broad applications in both biomedicine and information technology, from eye surgery to digital cameras.

SFI also is proud to announce that it has made major SFI grants to outstanding scientists

- already based in Ireland
- now moving from institutions in Belgium, England, Japan, Scotland, Switzerland, and the U.S. to Irish universities to continue their research
- visiting Ireland for up to one year
- developing research centres in Ireland with their industrial research counterparts.

Several times a year, **SFI issues calls for proposals** from scientists and engineers in the fields that underpin biotechnology and information and communications technology.

SFI chooses recipients of our diverse grants through merit review by distinguished scientists. Individual awards range normally from €100,000 to more than €1.0 million per year. Centres awards range up to €5.0 million per year for up to ten years.

Apply for an SFI award or learn more about our programmes at www.sfi.ie

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Science

2003 SCIENTIFIC EVENTS

CALENDAR



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Science 2003 Scientific Events Calendar



Date	Event	Location	For Information	Event Host
January				
15 – 19 Jan	The TGF-beta Superfamily: Roles in the Pathogenesis of Cancer and Other Diseases	La Jolla, California	http://www.aacr.org/conferences.asp	American Association for Cancer Research
17 – 20 Jan	Understanding Phage Display 2003	Vancouver, Canada	http://www.sfu.ca/conferences/phage	Simon Fraser University
18 – 23 Jan	Molecular and Genetic Epidemiology of Cancer	Waikoloa, Hawaii	http://www.aacr.org/conferences.asp	American Association for Cancer Research/Society of Toxicology
22 – 22 Jan	DNA Structure and Function: A Therapeutic Target for the 21st Century	London, United Kingdom	langers@rsc.org	Royal Society of Chemistry
25 Jan	Clinical Trials in Neuroprotection	Key Biscayne, Florida	http://www.savethebrain.org	University of Pennsylvania
27 – 29 Jan	Membranes, Trafficking, and Signalling during Animal Development	Madrid, Spain	http://www.march.es/biology	Fundación Juan March
29 Jan – 2 Feb	Oncogenomics 2003: Dissecting Cancer through Cancer Research	Phoenix, Arizona	http://www.aacr.org/conferences.asp	American Association for Cancer Research
February				
1 – 4 Feb	14th International Congress on Anticancer Treatment	Paris, France	http://www.icact.com	(TCO) Travel Congress Organization
1 – 3 Feb	5th International Symposium on Innovations in Pharmaceutical Sciences & Technology	Mumbai, India	perd@wilnetonline.net	Shri B. V. Patel Education Trust
3 – 4 Feb	Learning from the Past - Preparing for the Future: NYBA's 12th Annual Meeting	New York City, New York	http://www.nyba.org	New York Biotechnology Association
4 – 5 Feb	5th Bimonthly Genome Access Course	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
5 – 7 Feb	2003 Symposium on Biomedical Gerontology: Diet, Health, Aging and Longevity - Good Fat, Bad Fat	Phoenix, Arizona	http://www.kronosinstitute.org	Kronos Longevity Research Institute
6 – 9 Feb	New Therapeutic Targets in Vascular Biology	Geneva, Switzerland	www.symporg.ch/conferences/2003/nttv/scientific_programme.htm	Serono Foundation for the Advancement of Medical Science
6 – 9 Feb	7th International Symposium on GnRH Analogues in Cancer and Human Reproduction	Amsterdam, Netherlands	http://www.kenes.com/gnrh	International Society of Gynecological Endocrinology
7 – 8 Feb	6th Annual San Diego Glycobiology Symposium	San Diego, California	btthomps@ucsd.edu	University of California, San Diego and The Burnham Institute
9 – 11 Feb	1st BioPartnering North America	Vancouver, Canada	http://www.techvision.com/bpn/	Technology Vision Group LLC
9 – 14 Feb	2003 Aquatic Sciences Meeting	Salt Lake City, Utah	http://www.aslo.org/slc2003	American Society of Limnology and Oceanography
10 – 12 Feb	Genomic & Proteomic Technological Advances in Cancer Research	Bethesda, Maryland	http://www.lifesciencesinfo.com/2808/?source=2808science	IBC Life Sciences
11 – 13 Feb	5th Scripps Clinic - BIO Clinical Development Symposium	La Jolla, California	http://www.ebdgroup.com/scripps	BIO (Biotechnology Industry Organization); Scripps Clinic; E.B.D. Group, Inc.



Date	Event	Location	For Information	Event Host
12 – 16 Feb	1st Course on Molecular Mechanisms in Brain Tumors	Houston, Texas	majumder@mdanderson.org	American Brain Tumor Association/ University of Texas M.D. Anderson Cancer Center
13 – 18 Feb	AAAS Annual Meeting	Denver, Colorado	http://www.aaas.org/meetings/	American Association for the Advancement of Science
15 – 18 Feb	2nd International Workshop on the Genetics of Bone Metabolism and Disease	Davos, Switzerland	http://www.ectsoc.org	European Calcified Tissue Society
16 – 21 Feb	Chemical Reactions at Surfaces	Ventura, California	http://www.grc.org/programs/2003/chemreac.htm	Gordon Research Conferences
16 – 21 Feb	Agricultural Science	Ventura, California	http://www.grc.org/programs/2003/agsci.htm	Gordon Research Conferences
19 – 22 Feb	SRNT Annual Meeting	New Orleans, Louisiana	http://www.srnt.org	Society for Research on Nicotine and Tobacco
19 – 23 Feb	Mouse Models of Cancer	Lake Buena Vista, Florida	http://www.aacr.org/conferences.asp	American Association for Cancer Research
22 – 25 Feb	5th Keele Meeting on Aluminium - Aluminium in Life: From Acid Rain to Alzheimer's Disease	Stoke-on-Trent, United Kingdom	http://www.keele.ac.uk/depts/ch/groups/aluminium/aluminium.htm	Keele University
23 – 28 Feb	Periodontal Diseases	Ventura, California	http://www.grc.org/programs/2003/periodon.htm	Gordon Research Conferences
23 – 28 Feb	Protons & Membrane Reactions	Ventura, California	http://www.grc.org/programs/2003/protons.htm	Gordon Research Conferences
23 – 25 Feb	CUR Dialogues: The Art of Grantsmanship	Fairfax, Virginia	http://www.cur.org/03CURDialogues/03CURDialogues.htm	Council on Undergraduate Research
26 Feb – 2 Mar	The Biology of DNA	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
27 Feb	COILS 2003 Career Opportunities in Life Science	Cambridge, United Kingdom	http://www.bibcareers.info	Biology in Business
March				
1 – 4 Mar	Joint Conference on Viral Oncogenesis: Molecular Mechanisms to Therapeutic Opportunities	Dublin, Ireland	bacr@icr.ac.uk	British Association for Cancer Research and European Association for Cancer Research
1 – 8 Mar	4th FEBS Advanced Lecture Course: From Multidrug Resistance to Genetic Disease	Gosau, Austria	http://www.at.embnet.org/abc-meeting/	Federation of European Biochemical Societies
2 – 7 Mar	Gaseous Ions: Structures, Energetics & Reactions	Ventura, California	http://www.grc.org/programs/2003/gaseous.htm	Gordon Research Conferences
5 – 8 Mar	2nd Pediatric Oncology Conference: Methods in Drug Development	Rome, Italy	http://www.cancerworld.org	European School of Oncology
5 – 7 Mar	Kyoto Laureate Symposium 2003	San Diego, California	http://www.sandiego.edu	University of San Diego
7 Mar	Molecular Mechanisms of Alzheimer's Disease and Neurodegeneration Symposium	San Diego, California	http://www.ahaf.org	Alzheimer's Disease Research & University of California, San Diego School of Medicine
6 – 9 Mar	Systems Biology: Genomic Approaches to Transcriptional Regulation	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory

Science 2003 Scientific Events Calendar



Date	Event	Location	For Information	Event Host
7 - 9 Mar	1st International Microwaves in Chemistry Conference	Gainesville, Florida	http://www.cemsynthesis.com	CEM Corporation
8 - 11 Mar	Symposium on the Eukaryotic Nucleus	Berkeley Springs, West Virginia	http://eclipse.nichd.nih.gov/nichd/igrd/symposium/index.php	National Institute of Child Health and Human Development/ National Institutes of Health
9 - 14 Mar	Multi-Drug Efflux Systems	Ventura, California	http://www.grc.org/programs/2003/multi.htm	Gordon Research Conferences
9 - 12 Mar	Integrating Complementary Therapies into Clinical Practice: Cases and Evidence	Boston, Massachusetts	http://www.symbiotixonline.com/COMPAMED	Harvard Medical School
10 - 12 Mar	European C21 BioInvestor	Munich, Germany	http://www.techvision.com	Technology Vision Group LLC
11 Mar - 15 Apr	Spring Courses: Protein Biochemistry; Xenopus; and Genome Sequencing	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
11 - 13 Mar	Biotech Israel 2003	Tel Aviv, Israel	http://www.kenes.com/biotech/exhibition/profile.htm	Matimop - Israeli Industry Center for R & D
13 - 14 Mar	6th International Meeting of In Utero Stem Cell Transplantation and Gene Therapy	Lyon, France	http://www.fond-merieux.org	Mérieux Foundation
13 - 19 Mar	Talents - exhibition and award for applied arts and technology	Munich, Germany	kockel@hwk-muenchen.de	Gesellschaft für Handwerksmessen mbH - International Trade Fair
15 Mar	Roots of Mental Illness in Children Conference	New York City, New York	http://www.nyas.org/scitech/confcal.cfm	New York Academy of Sciences
16 - 19 Mar	3rd International Conference on Marine Bioinvasions	La Jolla, California	http://www.sgmeet.com/mb/	California and MIT Sea Grant Programs
16 - 21 Mar	Oxidative Stress and Disease	Ventura, California	http://www.grc.org/programs/2003/oxidat.htm	Gordon Research Conferences
17 - 20 Mar	13th Annual West Coast Conference on Contaminated Soils, Sediments and Water	San Diego, California	http://www.aehs.com	Association for Environmental Health and Sciences
17 - 19 Mar	Targeted Search for Anticancer Drugs	Madrid, Spain	http://www.cnio.es/ccc	CNIO - Spanish National Cancer Centre
19 - 21 Mar	3rd International Conference on Pharmaceuticals and Endocrine Disrupting Chemicals in Water (#5013)	Minneapolis, Minnesota	http://www.ngwa.org/e/conf/0303195013.shtml	National Ground Water Association
20 - 23 Mar	Vector Targeting Strategies for Gene Therapy	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
20 - 21 Mar	Sustainable Nature-based Tourism in Southeast Asia Symposium	New York City, New York	http://research.amnh.org/biodiversity	Center for Biodiversity and Conservation/American Museum of Natural History
23 - 28 Mar	Quantum Information Science	Ventura, California	http://www.grc.org/programs/2003/quantinf.htm	Gordon Research Conferences
23 - 27 Mar	Screentech World Summit	San Diego, California	http://www.lifesciencesinfo.com/screentech/?source=2756sci	IBC Life Sciences
23 - 25 Mar	Protein Kinases	San Diego, California	http://www.lifesciencesinfo.com/screentech/?source=screentechscience	IBC Life Sciences
23 - 25 Mar	Proteases	San Diego, California	http://www.lifesciencesinfo.com/screentech/?source=screentechscience	IBC Life Sciences
24 - 25 Mar	Ubiquitin & Ubiquitin-like Modifications in Health & Disease	Bethesda, Maryland	http://www.ubmod.niddk.nih.gov/	National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health



Date	Event	Location	For Information	Event Host
25 – 26 Mar	In Silico Target Validation	San Diego, California	http://www.lifesciencesinfo.com/screentech/?source=screentechscience	IBC Life Sciences
25 – 27 Mar	HTS & Assay Technologies	San Diego, California	http://www.lifesciencesinfo.com/screentech/?source=screentechscience	IBC Life Sciences
26 – 27 Mar	Pharma Negotiation Masterclass	Princeton, New Jersey	http://www.euromoneytraining.com/databasedriven/coursedetail.asp?busareaid=3&CourseID=809	Institutional Investor Pharma Training
27 Mar	Science Career Fair	San Diego, California	http://sciencecareers.org	ScienceCareers.org
27 – 29 Mar	30th Annual Meeting	Austin, Texas	http://www.shsu.edu/tgs	Texas Genetics Society
30 Mar – 5 Apr	40th Anniversary Symposium - Tropical Science for the 21st Century	San Jose, Costa Rica	http://www.ots.duke.edu	Organization for Tropical Studies
31 Mar – 2 Apr	Proteomics and Its Applications for Drug Discovery	Cambridge, United Kingdom	http://www.subramanian.org.uk	Subramanian
31 Mar – 4 Apr	SEB Annual Main Meeting	Southampton, United Kingdom	http://www.sebiology.org	Society for Experimental Biology
April				
1 – 4 Apr	Bioanalytica 2003	Munich, Germany	http://www.bioanalytica.de	Messe München
1 – 3 Apr	Natural Science and Public Health: Prescription for a Better Environment - National Conference on USGS Health-Related Research	Reston, Virginia	http://health.usgs.gov/health2003.html	United States Geological Survey
2 – 5 Apr	The Pathophysiology of Diseases: From Bench to Bedside	Verona, Italy	http://www.escl.eu.com	European Society for Clinical Investigation
5 – 10 Apr	Origin and Evolution of Mitochondria and Chloroplasts	Hvar, Croatia	hvar2003@botanik.biologie.uni-muenchen.de	Federation of European Biochemical Societies
5 – 10 Apr	5th Neurochemistry Winter Conference	Sölden (Ötztal), Austria	http://www.sambax.com/nwc2003	University of Innsbruck
5 – 9 Apr	94th Annual Meeting	Toronto, Canada	http://www.aacr.org/2003annual.asp	American Association for Cancer Research
6 – 8 Apr	Emergence and Control of Zoonotic Viral Encephalitis	Annecy, France	http://www.fond-merieux.org	Mérieux Foundation
6 – 9 Apr	Proteomics	San Diego, California	http://www.lifesciencesinfo.com/2832/?source=2832science	IBC Life Sciences
6 – 9 Apr	Protein Microarrays	San Diego, California	http://www.lifesciencesinfo.com/2813/?source=2813science	IBC Life Sciences
7 – 9 Apr	R&D Leaders' Forum, Spring 2003	Scottsdale, Arizona	http://www.phacilitate.co.uk	Phacilitate Limited
7 – 9 Apr	Molecular and Genetic Basis of Autoimmune Diseases: SLE and RA	Lisbon, Portugal	gonzalez@meet.march.es	Fundación Juan March and Gulbenkian Institute of Science
8 – 9 Apr	6th Bimonthly Genome Access Course	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
8 Apr	BioCapital Europe 2003	Amsterdam, Netherlands	http://www.biocapitaleurope.com	BioCapital Europe

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Date	Event	Location	For Information	Event Host
8 – 10 Apr	CAL (Computers and Learning) '03, 21st Century Learning	Belfast, Northern Ireland	http://www.cal2003.com	Elsevier Science in association with Computers & Education
9 – 13 Apr	Learning & Memory	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
9 – 13 Apr	9th International Symposium on Neuronal Ceroid Lipofuscinosis (Batten Disease)	Chicago, Illinois	http://www.nci2003.org	University of Chicago
9 – 11 Apr	New Functional Ingredients and Foods - Safety, Health & Convenience	Copenhagen, Denmark	http://www.nffif2003.com	European Federation of Food Science and Technology in association with LMC (Centre for Advanced Food Studies)
10 – 11 Apr	AAAS Science & Technology Policy Colloquium	Washington, DC	http://www.aaas.org/spp/rd/colloqu.htm	American Association for the Advancement of Science
11 – 22 Apr	Edinburgh International Science Festival	Edinburgh, United Kingdom	http://www.sciencefestival.co.uk	Edinburgh International Science Festival
11 – 13 Apr	The Future of Vaccines - Cancer Meets Infectious Diseases	Vienna, Austria	http://www.intercell.com/conference2003	Max Birstiel, Alexander von Gabain - Vienna Biocenter
11 – 15 Apr	2003 ASIP Annual Meeting at Experimental Biology 2003	San Diego, California	http://www.asip.org/mtgs/mtgs.htm	American Society for Investigative Pathology
12 – 16 Apr	Fundamental Issues in Vaccine Immunology	Oxford, United Kingdom	http://www.jenner.ac.uk	Edward Jenner Institute for Vaccine Research
12 – 13 Apr	Placebo, Its Action and Place in Health Research Today	Warsaw, Poland	http://surfer.iitd.pan.wroc.pl/events/Placebo.html	Bioethics Commission, Ministry of Health
13 – 15 Apr	Glutamate and Disorders of Cognition and Motivation Conference	New Haven, Connecticut	http://www.nyas.org/scitech/confcal.cfm	New York Academy of Sciences
15 – 17 Apr	BangaloreBio2003	Bangalore, India	http://www.bangalorebio2003.com	Government of Karnataka
22 – 25 Apr	The Franklin Institute Awards Convocation & Symposia	Philadelphia, Pennsylvania	http://www.awards@fi.edu	The Franklin Institute
22 – 27 Apr	13th Annual Meeting	Santa Barbara, California	http://www-ncm.cs.umass.edu	Neural Control of Movement Society
23 – 27 Apr	The Ubiquitin Family	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
26 – 29 Apr	4th International Symposium on Molecular Steroidogenesis	Bath, United Kingdom	http://www.eurosterone.org/serono/index.html	Serono Foundation for the Advancement of Medical Science
27 – 30 Apr	8th Annual Genome Meeting: HGM2003	Cancun, Mexico	http://hgm2003.hgu.mrc.ac.uk	Human Genome Organization (HUGO)
28 – 29 Apr	7th International Conference on Malignancies in AIDS & Other Immunodeficiencies: Basic, Epidemiology & Clinica	Bethesda, Maryland	http://www3.cancer.gov/dctd/aids/conference	National Cancer Institute, National Institutes of Health
30 Apr – 4 May	Telomeres & Telomerase	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
May 4 – 7 May	ISBER Annual Meeting 2003	Philadelphia, Pennsylvania	http://www.isber.org	International Society for Biological and Environmental Repositories

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5 - 7 May	6th Annual Conference on Vaccine Research	Arlington, Virginia	http://www.nfid.org	National Foundation for Infectious Diseases
7 May - 1 Jun	APS 15th Annual Convention	Atlanta, Georgia	http://www.psychologicalscience.org	American Psychological Society
7 - 11 May	Genome Informatics	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
7 May - 2 Jun	68th CSHL Symposium: The Genome of Homo Sapiens	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
7 - 11 May	Neuroprotection and Neurorepair 2003, 3rd International Symposium	Magdeburg, Germany	http://neurorepair.fan-neuroscience.com/	Research Institute for Applied Neurosciences (FAN)
8 - 12 May	30th European Symposium on Calcified Tissues	Rome, Italy	http://www.ectsoc.org	European Calcified Tissue Society
8 May - 1 Jun	1st Pan-American Plant Membrane Biology Meeting	Cuernavaca, Mexico	http://www.ibt.unam.mx/MPBM	Instituto de Biotecnología, Universidad Nacional Autónoma de México
12 - 15 May	MipTec 2003	Basel, Switzerland	http://www.miptec.com	Convention Center Basel
12 - 13 May	Human Brain Project Annual Spring Meeting	Bethesda, Maryland	http://www.nimh.nih.gov/neuroinformatics/index.cfm	National Institutes of Health
12 - 25 May	International Training Course on Plant Biotechnology	Tiruchengode, India	http://www.ksrcas.edu	ICRO (International Cell Research Organization), UNESCO (United Nations Educational, Scientific and Cultural Organization), EMBO (European Molecular Biology Organisation)
14 - 18 May	Protein Phosphorylation & Cell Signaling	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
16 - 21 May	MLA Annual Meeting and Exhibition	San Diego, California	http://www.mlanet.org	Medical Library Association
20 - 25 May	Retroviruses	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
21 - 24 May	Diet and Optimum Health Conference	Portland, Oregon	http://lpi.orst.edu/conf2003/Conference.html	Linus Pauling Institute, Oregon State University
24 - 31 May	ISHAM 2003	San Antonio, Texas	http://www.isham.org	International Society for Human and Animal Mycosis
26 May - 6 Jun	4th Advanced Vaccinology Course	Annecy, France	http://www.fond-merieux.org	Mérieux Foundation
27 - 30 May	30th Annual Conference - Our Future on Common Ground: Health and the Environment	Washington, DC	http://www.globalhealth.org	Global Health Council
27 - 29 May	5th Annual C21 Ventures	Monterey, California	http://www.techvision.com	Technology Vision Group LLC
June				
4 Jun - 11 Aug	Multiple Summer Courses: Molecular Biology; Developmental Biology; and Neurobiology	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
4 - 6 Jun	10th International Seminar on the Technology of Conductive Polymers	Quebec City, Canada	http://www.conductivepolymers.com	Advance Polymer Courses

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Date	Event	Location	For Information	Event Host
5 – 9 Jun	16th International Congress on Parkinson's Disease and Allied Disorders	Berlin, Germany	http://www.parkinson-berlin.de	World Federation of Neurology
8 – 13 Jun	Molecular Cell Biology	Tilton, New Hampshire	http://www.grc.org/programs/2003/molclbio.htm	Gordon Research Conferences
8 – 13 Jun	Cell Contact & Adhesion	Andover, New Hampshire	http://www.grc.org/programs/2003/cellcont.htm	Gordon Research Conferences
9 – 12 Jun	11th International Conference on Human Retrovirology: HTLV and Related Viruses	San Francisco, California	http://www.cme.ucsf.edu	The International Retrovirology Association and UCSF Department of Laboratory Medicine
11 – 13 Jun	3rd NIZO Dairy Conference: Dynamics of Texture, Process & Perception	Papendal, Netherlands	http://www.nizodairyconf.com	NIZO Food Research & Elsevier Science
15 – 20 Jun	Atomic Physics	Tilton, New Hampshire	http://www.grc.org/programs/2003/atomic.htm	Gordon Research Conferences
15 – 20 Jun	Magnetic Resonance	Newport, Rhode Island	http://www.grc.org/programs/2003/magres.htm	Gordon Research Conferences
16 – 18 Jun	Small GTPases in Human Carcinogenesis	Madrid, Spain	http://www.cnio.es/cc	CNIO - Spanish National Cancer Centre
19 – 21 Jun	MASCC/ISO 15th International Symposium: Supportive Care in Cancer	Berlin, Germany	http://www.imedex.com/oncology.htm	Multinational Association for Supportive Care in Cancer
19 – 20 Jun	Angiogenesis II	Paris, France	http://www.pasteur.fr/applications/euroconf/	Institut Pasteur Euroconferences
21 – 27 Jun	Methods in Clinical Cancer Research	Films, Switzerland	http://www.aacr.org/workshops.asp	Federation of European Cancer Societies / American Association for Cancer Research / American Society of Clinical Oncology
22 – 25 Jun	BIO 2003	Washington, DC	http://www.bio.org	BIO (Biotechnology Industry Organization)
23 Jun – 24 Jul	Bioengineering Consortium (Becon) 2003 Symposium	Bethesda, Maryland	http://www.becon1.nih.gov/becon.htm	National Institutes of Health
23 – 28 Jun	7th International Congress on Plant Molecular Biology	Barcelona, Spain	http://www.ispmb2003.com	International Society for Plant Molecular Biology
23 – 26 Jun	Bath Conference on Osteoporosis	Bath, United Kingdom	http://www.nos.org.uk	National Osteoporosis Society
23 – 25 Jun	6th International Conference on Drug-Drug Interactions	San Diego, California	http://www.isciencex.com	Institute for Scientific Exchange, Inc.
26 – 28 Jun	5th European Conference: Perspectives in Colorectal Cancer	Barcelona, Spain	http://www.imedex.com/oncology.htm	Imedex
27 Jun – 1 Jul	Cell Cycle Meeting	La Jolla, California	http://www.salk.edu/meetings.html	The Salk Institute
27 Jun – 4 Jul	Molecular Biology in Clinical Oncology: A Workshop	Aspen, Colorado	http://www.aacr.org/workshops.asp	American Association for Cancer Research
28 Jun	3rd International Workshop on Human Implantation: Genomics/Proteomics Discovery of the Reproductive Tract in Health and Disease	Madrid, Spain	marta.gallego@serono.com	Serono Foundation for the Advancement of Medical Science
29 Jun – 4 Jul	9th Congress ISDCI	St. Andrews, United Kingdom	http://www.st-and.ac.uk/~seeb/ISDCI/home.htm	International Society for Developmental & Comparative Immunology
30 Jun – 2 Jul	Bone Tissue Engineering	Davos, Switzerland	http://www.ao-asif.ch/ari/meetings.shtml	European Cells & Materials



Date	Event	Location	For Information	Event Host
July 2 – 5 Jul	British Cancer Research Meeting 2003	Bournemouth, United Kingdom	bcm@icr.ac.uk	Association of Cancer Physicians, British Association for Cancer Research, British Oncological Association and The Royal College of Radiologists, in conjunction with the United Kingdom Children's Cancer Study Group
3 – 4 Jul	5th World Workshop on Inhibin, Activin, and Follistatin	Siena, Italy	www.unisi.it/eventi/inhibin2003/	Serono Foundation for the Advancement of Medical Science
4 – 8 Jul	FEBS 2003 - Meeting on Signal Transduction	Brussels, Belgium	http://www.febs-signal.be	Federation of European Biochemical Societies
6 – 9 Jul	Cancer Research UK Beatson International Cancer Conference: Cell Signalling and Cancer	Glasgow, United Kingdom	http://www.beatson.gla.ac.uk/conf	Beatson Institute for Cancer Research
6 – 11 Jul	Chemistry of Supramolecules & Assemblies	Andover, New Hampshire	http://www.grc.org/programs/2003/supramol.htm	Gordon Research Conferences
6 – 11 Jul	Malaria	Oxford, United Kingdom	http://www.grc.org/programs/2003/malaria.htm	Gordon Research Conferences
6 – 12 Jul	19th International Congress of Genetics	Melbourne, Australia	http://www.geneticscongress2003.com	International Genetics Federation and Science
9 – 11 Jul	Bone and Tooth Society Annual Meeting	Sheffield, United Kingdom	http://www.batsoc.org.uk	Bone and Tooth Society
13 – 16 Jul	2nd IAS Conference on HIV Pathogenesis and Treatment	Paris, France	http://www.ias2003.org	International AIDS Society
13 – 18 Jul	Free Radical Reactions	Plymouth, New Hampshire	http://www.grc.org/programs/2003/freerad.htm	Gordon Research Conferences
13 – 18 Jul	Inorganic Chemistry	Newport, New Hampshire	http://www.grc.org/programs/2003/inorchem.htm	Gordon Research Conferences
13 – 18 Jul	Ion-containing Polymers	South Hadley, Massachusetts	http://www.grc.org/programs/2003/ioncont.htm	Gordon Research Conferences
13 – 20 Jul	Pathobiology of Cancer	Keystone, Colorado	http://www.aacr.org/workshops.asp	American Association for Cancer Research
13 Jul – 2 Aug	Science Summer School	Cambridge, United Kingdom	http://www.cont-ed.cam.ac.uk/IntSummer	The University of Cambridge
14 – 16 Jul	Advances in the Molecular Pharmacology and Therapeutics of Bone Disease	Oxford, United Kingdom	http://www.paget.org.uk	University of Oxford Department of Musculoskeletal Sciences
15 – 18 Jul	Structural Challenges in the Post-Genomic Era	Norwich, United Kingdom	http://www.jic.bbsrc.ac.uk/events/symposium/	15th John Innes Symposium
17 – 18 Jul	International Symposium on Paget's Disease	Oxford, United Kingdom	http://www.paget.org.uk	National Association for the Relief of Paget's Disease
19 – 23 Jul	Animal Behavior Society Annual Meeting	Boise, Idaho	http://www.animalbehavior.org	Animal Behavior Society
20 – 24 Jul	10th North American Forest Soils Conference	Sault Ste. Marie, Canada	http://www.fs.fed.us/forestsoilsconference	Soil Science Society of America, Canadian Soil Science Society
20 – 24 Jul	Joint ISCB/SCT meeting	London, United Kingdom	http://www.sctweb.org	International Society for Clinical Biostatistics/Society for Clinical Trials
20 – 24 Jul	International Congress of Biochemistry and Molecular Biology	Toronto, Canada	http://www.iubmb2003.org	Canadian Society of Biochemistry, Molecular & Cellular Biology



Date	Event	Location	For Information	Event Host
20 – 24 Jul	5th Pangborn Sensory Science Symposium	Boston, Massachusetts	http://www.pangborn2003.com	Elsevier Science
26 Jul – 1 Aug	Methods in Clinical Cancer Research	Vail, Colorado	http://www.aacr.org/workshops.asp	American Association for Cancer Research/American Society of Clinical Oncology
30 Jul – 2 Aug	Mouse Initiatives 5: Modeling the Human Genome and Disease	Bar Harbor, Maine	http://www.jax.org/courses	The Jackson Laboratory
August				
3 – 8 Aug	Chemistry & Physics of Liquids	Plymouth, New Hampshire	http://www.grc.org/programs/2003/liquids.htm	Gordon Research Conferences
3 – 8 Aug	Nonlinear Science	Tilton, New Hampshire	http://www.grc.org/programs/2003/nonlsci.htm	Gordon Research Conferences
3 – 8 Aug	Ecological Society of America 88th Annual Meeting	Savannah, Georgia	http://www.esa.org/Savannah	Ecological Society of America
7 – 13 Aug	The 6th European Course on Basic Aerobiology	Poznan, Poland	http://geoinfo.amu.edu.pl/wngig/ibczig/secba/	Karol Marcinkowski University of Medical Science and Adam Mickiewicz University
10 – 15 Aug	Drug Discovery Technology	Boston, Massachusetts	http://www.drugdisc.com/default.asp?source=ddt03science	IBC Life Sciences
10 – 15 Aug	Cellular Osmoregulation: Sensors, Transducers, and Regulators	Bristol, Rhode Island	http://www.grc.org/programs/2003/cellosmo.htm	Gordon Research Conferences
10 – 15 Aug	Dynamics at Surfaces	Andover, New Hampshire	http://www.grc.org/programs/2003/dynamics.htm	Gordon Research Conferences
11 Aug	Science Career Fair	Boston, Massachusetts	http://sciencecareers.org	ScienceCareers.org
12 – 17 Aug	Yeast Cell Biology	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
17 – 22 Aug	Plasmid & Chromosome Dynamics	Tilton, New Hampshire	http://www.grc.org/programs/2003/plasmid.htm	Gordon Research Conferences
20 – 24 Aug	Eukaryotic mRNA Processing	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
23 – 26 Aug	Membrane and Protein Trafficking in Plants	Glasgow, United Kingdom	http://www.sebiology.org	Society for Experimental Biology
24 – 29 Aug	From Inference to Predictive Models: Bioinformatics	Oxford, United Kingdom	http://www.grc.org/programs/2003/bioinf.htm	Gordon Research Conferences
27 – 31 Aug	Mechanisms of Eukaryotic Transcription	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
30 Aug – 4 Sep	Third European Symposium on Aerobiology	Worcester, United Kingdom	http://www.pollenuk.co.uk	National Pollen Research Unit and the British Aerobiology Federation
September				
Sep	4th International Virus Assembly	Sardinia, Italy	annette.croucher@ishtm.ac.uk	London School of Hygiene & Tropical Medicine
1 – 5 Sep	3rd European-American School in Forensic Genetics and Mayo Clinic Course	Zagreb, Croatia	http://www.european-american-genetics-meetings.org	Mayo Clinic, Split Medical School, Split University Hospital, University of Zagreb
3 – 7 Sep	Eukaryotic DNA Replication	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory



Date	Event	Location	For Information	Event Host
4 – 6 Sep	Frontiers in Chemical Biology: Biomolecular Dynamics and Force Generation	Manchester, United Kingdom	http://www.rsc.org	Royal Society of Chemistry
7 – 11 Sep	6th Conference on Protein Expression in Animal Cells	Mont-Tremblant, Canada	http://www.bri.nrc.ca/6thPEACe	National Research Council
8 – 12 Sep	12th UN/European Space Administration Workshop on Basic Space Science	Beijing, China	http://www.seas.columbia.edu/~ah297/un-esa/	China National Space Administration
8 – 12 Sep	The BA Festival of Science at the University of Salford	Manchester, United Kingdom	http://www.the-ba.net	The BA (British Association for the Advancement of Science)
9 – 11 Sep	Annual Meeting	Manchester, United Kingdom	http://www.BritishEcologicalSociety.org	British Ecological Society
10 – 14 Sep	Microbial Pathogenesis and Host Response	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
10 – 13 Sep	Biological Therapy of Cancer - from basic research to clinical application	Munich, Germany	http://tzm.web.med.uni-muenchen.de/bloc	Tumorcenter Munich
13 – 14 Sep	Investigating the Mind: Exchanges Between Buddhism and the Biobehavioral Sciences	Cambridge, Massachusetts	http://www.investigatingthemind.org	Mind and Life Institute
13 – 17 Sep	SNPs and Cancer: Molecular Epidemiology in Human Populations	Key Biscayne, Florida	http://www.aacr.org/conferences.asp	American Association for Cancer Research
14 – 19 Sep	Solid State Chemistry II	Oxford, United Kingdom	http://www.grc.org/programs/2003/sschem2.htm	Gordon Research Conferences
17 – 19 Sep	Tuberculosis Vaccines for the World	Montreal, Canada	http://www.meetingsmanagement.com/tbv_2003	Meetings Management
18 – 20 Sep	Adolescent Brain Development: Vulnerabilities and Opportunities Conference	New York City, New York	http://www.nyas.org/scitech/confcal.cfm	New York Academy of Sciences
17 – 21 Sep	Programmed Cell Death	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
21 – 23 Sep	32nd Annual Meeting of the American College of Clinical Pharmacology	Palm Harbor, Florida	http://www.ACCP1.org	American College of Clinical Pharmacology
21 – 26 Sep	Global Aspects of Technology Transfer: Biotechnology	Big Sky, Montana	http://www.grc.org/programs/2003/global.htm	Gordon Research Conferences
22 Sep	Epigenetic Mechanisms and the Stem Cell Paradigm	Boston, Massachusetts	http://www.mgh.harvard.edu/cbrc	Massachusetts General Hospital/Harvard/Cutaneous Biology Research Center
24 – 26 Sep	Computational Biology Workshop	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
October				
1 – 5 Oct	Neurobiology of <i>Drosophila</i>	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
1 – 4 Oct	International Conference on Applied Genomics - 9th ESACP/16th ISDQP Meeting	Amsterdam, Netherlands	http://www.nddo.org	NDDO (New Drug Development Organization) Research Foundation
8 Oct – 17 Nov	Fall Courses: Computational Bio; X-Ray Structure; Cell Bio; Proteomics; and Phage Display	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
8 – 12 Oct	New Discoveries in Breast Cancer: Methods, Biology, and Clinical Implications	Huntington Beach, California	http://www.aacr.org/conferences.asp	American Association for Cancer Research/Avon Foundation, Inc.
12 – 14 Oct	11th Annual BioPartnering Europe	London, United Kingdom	http://www.techvision.com	Technology Vision Group LLC

Science 2003 Scientific Events Calendar



Date	Event	Location	For Information	Event Host
12 – 12 Oct	Rehoboth Skies	Rehoboth, Massachusetts	http://users.rcn.com/assne/	Astronomical Society of Southern New England (A.S.S.N.E.)
15 – 18 Oct	APHYS-2003 1st International Meeting on Applied Physics	Badajoz, Spain	http://www.formatex.org/aphys2003/aphys2003.htm	IFEBA (The Trade Fair Institution of Badajoz)
15 – 19 Oct	Angiogenesis	Chicago, Illinois	http://www.aacr.org/conferences.asp	American Association for Cancer Research
23 – 25 Oct	2nd International Symposium on Signal Transduction: Modulators in Cancer Therapy	Amsterdam, Netherlands	http://www.nddo.org	NDDO (New Drug Development Organization) Research Foundation
23 – 26 Oct	Oral Tolerance: Mechanisms and Applications Conference	New York City, New York	http://www.nyas.org/scitech/confcal.cfm	New York Academy of Sciences
24 – 28 Oct	11th European Meeting on Cell Death	Ghent, Belgium	http://www.dmb.rug.ac.be/ecdo-apoptosis2003-ghent	European Cell Death Organisation
26 – 30 Oct	Cytokines, Signalling, and Diseases	Cairns, Australia	http://www.cytokines2003.conf.au/	International Society for Interferon and Cytokine Research
26 – 30 Oct	Frontiers in Cancer Prevention Research	Phoenix, Arizona	http://www.aacr.org/conferences.asp	American Association for Cancer Research
27 – 31 Oct	Chips to Hits	Boston, Massachusetts	http://www.chipstohits.com/default.asp?source=chips03science	IBC Life Sciences
November				
4 – 8 Nov	53rd Annual Meeting of the American Society of Human Genetics	Los Angeles, California	http://www.ashg.org/	American Society of Human Genetics
14 – 17 Nov	11th Annual Meeting	Edinburgh, United Kingdom	http://www.esgt.org	European Society of Gene Therapy
17 – 19 Nov	BIO-Europe 2003 - 9th Annual International Partnering Conference	Frankfurt, Germany	http://www.ebdgroup.com/bioeurope	BIO (Biotechnology Industry Organization); E.B.D. Group, Inc.; Ernst & Young
17 – 21 Nov	International Conference on Molecular Targets and Cancer Therapeutics	Boston, Massachusetts	http://www.aacr.org/conferences.asp	American Association for Cancer Research/ National Cancer Institute/European Organization for Research & Treatment of Cancer
December				
3 – 7 Dec	ASTMH 52nd Annual Meeting	Philadelphia, Pennsylvania	http://www.astmh.org	American Society of Tropical Medicine and Hygiene
4 – 7 Dec	Molecular Approaches to Vaccine Design	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
11 – 14 Dec	Rat Genomics & Models	Cold Spring Harbor, New York	http://www.cshl.edu/meetings	Cold Spring Harbor Laboratory
13 – 17 Dec	43rd American Society for Cell Biology Annual Meeting	San Francisco, California	http://www.ascb.org	American Society for Cell Biology
14 – 19 Dec	15th Biennial Conference on the Biology of Marine Mammals	Greensboro, North Carolina	http://www.marinemammalogy.org	The Society for Marine Mammalogy



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- Emerging Strategies in High Throughput Proteomics
- Case Studies: Comparing Assay Technologies
- Novel Technologies
- Everyday MedChem Issues in Biological Screening
- High Throughput ADMET
- Predictive and In Silico Models
- Information Technology for Today's Screener
- Bioinformatics: Linking Screening, Genomics & Proteomics

INSTRUCTIONS FOR AUTHORS

All abstracts must be submitted electronically at www.sbsonline.org. Abstracts may not exceed 150 words and should be unformatted with no line breaks. For specific format requirements visit www.sbsonline.org. Upon submission, authors give SBS the right to publish abstracts in any format before, during and after the 2003 Conference & Exhibition. Note: SBS requires an active email address for communication regarding abstract status.

DRUG DISCOVERY: AT THE CUTTING EDGE SBS 9TH ANNUAL CONFERENCE AND EXHIBITION

SEPTEMBER 21-25, 2003
OREGON CONVENTION CENTER
PORTLAND, OREGON, USA

DEADLINES

April 1, 2003 — Oral presentation abstracts
June 1, 2003 — Poster presentation abstracts

Deadlines are firm in order to meet publication schedules. All submissions are peer-reviewed and must represent original research not previously presented. Authors requesting oral presentation will be notified of acceptance by e-mail in May 2003. Authors requesting poster presentations will be notified by e-mail in July 2003.



FOR MORE INFORMATION CONTACT:

36 Tamarack Avenue #348
Danbury, CT 06811 U.S.A.
Phone: +1 203/743-1336
Fax: +1 203/748-7557
email@sbsonline.org



Application Deadline:
March 14, 2003

The International HDL Research Awards Program

Enhancing Our Understanding of HDL Biology
and Its Relationship to Atherosclerosis

2003 – 2005

Call for Proposals
\$100,000 per year for 2 years

Pfizer Inc is pleased to announce the second funding cycle of the International HDL Research Awards Program (HDL Research Program). The HDL Research Program is a unique opportunity for Pfizer to reinforce its commitment to supporting research at academic institutions throughout the world.

The mission of the International HDL Research Awards Program is to support outstanding investigators in the field of HDL biology, including its relationship to atherothrombotic disease. This program will support basic and clinical research into the metabolism and biological activities of HDL particles including their role in the atherothrombotic process.

Research may be in but is not restricted to any of the following areas:

- Arterial wall
- Assembly/remodeling
- Atherosclerosis
- Cell biology
- CETP (basic and clinical research)
- Epidemiologic studies utilizing existing populations or samples (not new epidemiologic studies)
- Genetics
- Genomics
- HDL particles and macrophage cholesterol efflux
- Inflammation/apoptosis
- Mechanisms of HDL changes during drug therapy
- Metabolism
- Oxidative phenomena
- Reverse cholesterol transport
- Structure function studies
- Thrombosis
- Transcription factors
- Vascular biology

The intent of the program is to fund \$100,000 of direct costs per year for 2 years with 10% overhead. Announcement of the award recipients will be made on or before July 15, 2003.

Application Deadline: March 14, 2003

Start of Award: on or about August 1, 2003.

For further information and application materials, please contact:

Grant Coordinator
International HDL Research Awards
fax: 212-751-2005
e-mail: hdlawards@mindspring.com

To download application, please visit the following website:
www.physicianscientist.com



SYMPOSIA



9th National Symposium BASIC ASPECTS OF VACCINES

April 30 – May 2, 2003
To be held at the Uniformed Services
University of the Health Sciences
Bethesda, Maryland

<http://wrair-www.army.mil/symposia/dmbsym.htm>

Interface between Innate and Adaptive Immunity

Mitchell Kronenberg, Chair
Jacques Bancheau
Yong-jun Lin
Robert Modlin

Bacterial Vaccines

George Siber, Chair
Richard Moxon
Rino Rappuoli
Myron Levine

Bioterrorism Vaccines

Gary Nabel and Barney Graham, Co-Chairs
Nancy Sullivan
Lewis McCurdy
Robert Webster
Arthur Friedlander

In Vivo Cell Interaction and Trafficking

Ronald Germain, Chair
Marc Jenkins
Ulrich von Andrian
Christopher Contag

Vaccines against Allergies and Asthma

Dale Umetsu, Chair
Barry Kay
Bob Coffman
Juan Lafaille

FEATURED BANQUET SPEAKER Rafi Ahmed

Sponsored by the Walter Reed Army Institute of Research
Posters accepted, abstract deadline is March 21, 2003.

For information, tel: 301-319-9462 fax: 301-319-9035
EM: symposium@na.amedd.army.mil



HGM2003

Cancun, Mexico
27th - 30th April 2003

For full programme information and online registration visit our website

<http://hgm2003.hgu.mrc.ac.uk>

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Scientific Organising Committee

Co-Chairs

Dr Stephen Scherer, Canada
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Chair Local Organising Committee

Dr Jose-Maria Cantu, Mexico

Plenaries

- Functional Annotation of Genomes
- Ethics and Science of Therapeutic Cloning
- Genetics and Genomics of Complex Traits in Founder Populations
- Stem Cell Genomics

Concurrent Symposia

- Proteomics
- Bioinformatics/comparative functional genomics
- New genome technologies
- Chromatin Regulation and Remodeling
- Complex disease stories and functional SNPs
- Developmental genomics of tissues and organs

Honorary Session

To Commemorate the 50th Anniversary of the Double Helix and the Sequence of the Human Genome

Honorary Co-Chairs:

Dr Victor McKusick and Dr Francis Collins.



HUGO's Eighth Annual International Conference on the Human Genome



Meetings

The Biology of DNA

February 26 - March 2

David Stewart, Jan Witkowski

Systems Biology: Genomic Approaches to Transcriptional Regulation

March 6 - 9

Philip Benfey, Susan Celniker, Michael Eisen, Stephen Small, Michael Zhang

Vector Targeting Strategies for Gene Therapy

March 20 - 23

David Curiel, Wayne Marasco, Stephen Russell

Learning & Memory

April 9 - 13

Jack Byrne, Joseph LeDoux, Erin Schuman

The Ubiquitin Family

April 23 - 27

Ray DeShaies, Mark Hochstrasser, Peter Howley

Telomeres & Telomerase

April 30 - May 4

Titia De Lange, Carol Greider, Vicki Lundblad

Genome Informatics

May 7 - 11

Ewan Birney, Suzanna Lewis, Lincoln Stein

Protein Phosphorylation & Cell Signaling

May 14 - 18

Sara Courtneidge, Benjamin Neel, Nicholas Tonks

Retroviruses

May 20 - 25

Suzanne Sandmeyer, Wes Sundquist

68th Symposium: The Genome of *Homo Sapiens*

May 28 - June 2

Jane Rogers, Edward Rubin, Bruce Stillman, David Stewart

Yeast Cell Biology

August 12 - 17

Brenda Andrews, Chris Kaiser, Mark Winey

Eukaryotic mRNA Processing

August 20 - 24

Elisa Izaurrealde, Timothy Nilsen, Donald Rio

Mechanisms of Eukaryotic Transcription

August 27 - 31

Joan Conaway, Richard Treisman, Jerry Workman

Eukaryotic DNA Replication

September 3 - 7

Thomas Kelly, Bruce Stillman

Microbial Pathogenesis and Host Response

September 10 - 14

Paula Sundstrom, Ronald Taylor, James Slauch

Programmed Cell Death

September 17 - 21

Hermann Steller, Craig Thompson, Junying Yuan

Neurobiology of *Drosophila*

October 1 - 5

Thomas Schwarz, Jessica Treisman

Molecular Approaches to Vaccine Design

December 4 - 7

Peter Beverley, Dennis Burton, Emilio Emini

Rat Genomics & Models

December 11 - 14

Howard Jacob, Douglas Vollrath

Courses

Application Deadline: January 15, 2003

Acquiring and Analyzing Genomic

Sequence Data March 11 - 27

Elaine Mardis, W. Richard McCombie, John McPherson

Protein Purification and Characterization

April 2 - 15

Richard Burgess, Albert Courey, Sue-Hwa Lin, Konstantin Severinov

Cell & Developmental Biology of *Xenopus*

April 5 - 15

Ken Cho, Jan Christian

Application Deadline: March 15, 2003

Structure, Function & Development of the Visual System

June 4 - 17

Kim McAllister, Martin Usrey

Advanced Bacterial Genetics

June 4 - 24

Kelly Hughes, Kit Pogliano, Urs Jenal

Molecular Embryology of the Mouse

June 4 - 24

Thomas Lufkin, Colin Stewart

Ion Channel Physiology

June 4 - 24

Mark Farrant, Michael Hausser, Nelson Spruston

Making and Using DNA Microarrays

June 17 - 24

Vishwanath Iyer, Jason Lieb

Developmental Neurobiology

June 20 - July 3

Ben Barres, Joshua Sanes

Application Deadline: March 15, 2003

Mouse Behavioral Analysis

June 27 - July 10

Stefan Anagnostaras, Mark Mayford

Advanced Techniques in Molecular

Neuroscience June 27 - July 17

Jim Boulter, Lee Henry, Kirk Jensen, Cary Lai, Daniel Lavery

Arabidopsis Molecular Genetics

June 27 - July 17

John Bowman, Ueli Grossniklaus, Robert Pruitt

Neurobiology of *Drosophila*

June 27 - July 17

Richard Baines, Steven De Belle, David Van Vactor

C. elegans

July 22 - August 11

Bruce Bowerman, Andrew Chisholm, Scott Clark

Eukaryotic Gene Expression

July 22 - August 11

Laura Attardi, W. Lee Kraus, Marc Timmers

Imaging Structure and Function in the Nervous System

July 22 - August 11

Fritjof Helmchen, David Kleinfeld, Timothy Murphy, Richard Robitaille

Yeast Genetics

July 22 - August 11

David Amberg, Daniel Burke, Jeff Strathern

Molecular Mechanisms of Human

Neurological Diseases July 23 - 29

Adriano Aguzzi, Sam Gandy, John Hardy

Workshop on Magnetoencephalography

July 30 - August 4

Rodolpho Llinas, Urs Ribary

Cellular Biology of Addiction

August 5 - 11

Bertha Madras, Mark Von Zastrow

Application Deadline: July 15, 2003

Bioinformatics: Writing Software for

Genome Research October 15 - 28

Suzanna Lewis, Lincoln Stein

X-Ray Methods in Structural Biology

October 15 - 30 *Appl. Deadline: June 15

William Furey, Gary Gilliland, Alexander McPherson, James Pflugrath

Immunocytochemistry, *In Situ*

Hybridization & Live Cell Imaging

October 18 - 31

Abby Dernburg, John Murray, Jason Swedlow

Phage Display of Combinatorial

Antibody Libraries November 4 - 17

Carlos Barbas, Gregg Silverman, Don Siegel

Proteomics

November 4 - 17

Philip Andrews, Joshua La Baer, Andrew Link

Computational Genomics

November 5 - 11

William Pearson, Randall Smith

The Genome Access Course

February 4 - 5, April 8 - 9, June 10 - 11,

August 11 - 12, September 30 - October 1,

December 3 - 4

Open admission subject to availability

Trainers: James Gergel, Manpreet Katari,

Lance Palmer, Uwe Hilgert

Cold Spring Harbor Laboratory

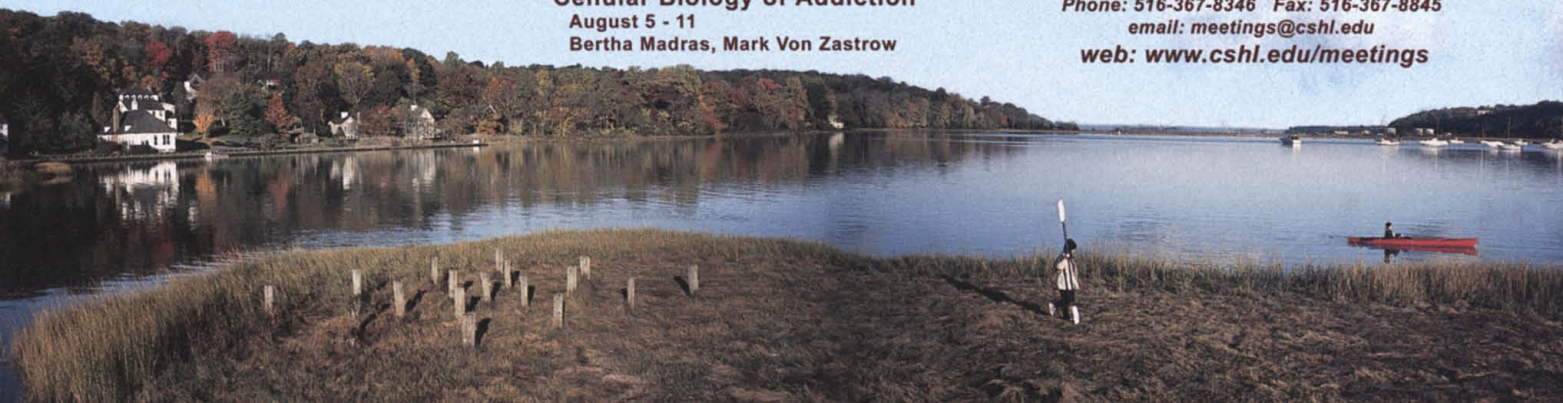
Meetings & Courses Programs

1 Bungtown Road, Cold Spring Harbor, N.Y. 11724

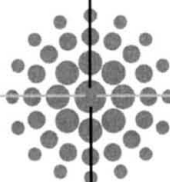
Phone: 516-367-8346 Fax: 516-367-8845

email: meetings@cshl.edu

web: www.cshl.edu/meetings



**Application Deadline:
March 17, 2003**



ARA
a focus on
the science

**Call for Proposals
\$50,000 for 1 year
with the potential for
funding for 2 years**

**The ARA Program
A Focus on the Science
2003**

Pfizer Inc is pleased to announce the 2003 deadline for the ARA Program: A Focus on the Science. The ARA Program represents a unique opportunity for Pfizer to continue its commitment to supporting research at academic institutions throughout the United States.

Since its inception in late 1998, the ARA program has completed four review cycles and has distributed approximately \$6 million in grants to up-and-coming investigators throughout the United States. Several of our awardees have published abstracts, papers, and posters with leading scientific journals and have presented their findings at scientific sessions nationwide.

The mission of the ARA program is to support outstanding investigators at the early stages of their careers in academic research. The ARA will support research into **basic mechanisms of disease** that may broadly involve:

- Lipid metabolism and/or vascular biology—and/or —
- HMG-CoA reductase pathways or novel effects of statins

Research may be in any of the following areas:

- Neuroscience
- Cardiovascular medicine
 - atherosclerosis
 - lipoprotein metabolism
 - thrombosis
 - vascular biology
- Diabetes
- Endocrinology
- Inflammation/immunology
- Oncology

Proposals involving clinical trials requiring new informed consent will **NOT** be accepted for review.

The ARA will award a maximum of 20 grants for 2003 with the potential of funding for 2 years.

Awards are \$50,000 per year with the potential for funding for 2 years (total: \$100,000). Announcement of the award recipients will be made on or before June 2, 2003.

Application Deadline: March 17, 2003

Start of Award: On or about July 1, 2003

For more information about the ARA Program, contact:
Grant Coordinator

The ARA Program

Fax: 212-751-2005

E-mail: arawards@mindspring.com

To download the application, please visit the following website: www.arawards.com



**THE NATIONAL
NEUROFIBROMATOSIS
FOUNDATION**
**Announces the availability of
YOUNG INVESTIGATOR AWARDS**

which will provide salary support not to exceed \$35,000 annually for a period of up to two years for young investigators to conduct research on the cause and treatments of neurofibromatosis 1 and 2. Areas of potential interest include: cellular and molecular approaches; the use of model organisms; genetics; imaging; and potential clinical therapeutics.

This award is intended for graduate students, postdoctoral fellows and young investigators no more than seven years past completion of their MD/PhD training.

The deadline for filing applications for funding beginning July 1, 2003, is **April 1, 2003**.

For information and applications please contact: **The National Neurofibromatosis Foundation, 95 Pine Street, 16th Floor, New York, NY 10005, Tel: 212-344-6633; Fax 212-747-0004, e-mail: jmedina@nf.org.**

Applications also available on the NNFF Website: www.nf.org

\$20,000 in Prizes for Neurofibromatosis Research

The National Neurofibromatosis Foundation (NNFF) and the International Neurofibromatosis Association (INFA) are offering \$20,000 to graduate students and postdoctoral fellows for research ideas in biology and genetics concentrating on neurofibromatosis (NF). The first prize is \$10,000 in addition to a \$2,000 stipend for the winner to attend an international NF meeting. Second and third place winners will receive prizes of \$5,000 and \$3,000, respectively.

Entries are due by **January 31, 2003**. The winners will be announced in March 2003. A 3-page outline should be submitted via e-mail to emayer@nf.org. Only entries submitted via e-mail will be accepted. The NNFF website (www.nf.org/nfprize/) gives full details of the prize, the application rules and how to apply via email.



Science and the Media: fission, fusion, friction
2-7 March 2003, Cambridge

Directed by Toby Murcott (einstein.tv) and
Quentin Cooper (BBC Radio)

The aim of this event is to examine the evolving links between science and the media and consider how they can be strengthened. It will look at what makes particular science stories and issues newsworthy, how they can be better explained and better reported, and how individuals, companies and governments can benefit from improved science communication.

**Exploiting Genetic Knowledge: fifty years on from
Crick/Watson**

10-14 March 2003, Newcastle-upon-Tyne

Directed by Prof John Burn (Institute of Human Genetics) and
Dr Tom Shakespeare (Science Research Institute)

Effective regulation and balanced ethical debate is vital so that societies can maximise the benefits and avoid the dangers of genetic knowledge. In this uncertain era, there are widespread public concerns about the potential for eugenics and discrimination. This event will explore international perspectives on both clinical and commercial exploitation of genetic knowledge and the regulation of science.

For further information about these seminars, including fee information and details about other events, please contact:

British Council Seminars

Email: network.events@britishcouncil.org

Telephone +44 (0)1865 316 636 Fax: +44 (0)1865 557 368

www.britishcouncil.org/networkevents



The Ellison Medical Foundation

Senior Scholar Award in Aging

Request for Letters of Intent - Deadline: February 28, 2003

The Aging Program, now in its sixth year, supports basic biomedical research on aging relevant to understanding aging processes and age-related diseases and disabilities. The Senior Scholar Award in Aging is intended to provide significant support to established investigators in order to allow the development of new, creative research programs by investigators who may not currently be conducting aging research or who may wish to develop new research programs in aging. The Foundation particularly wishes to stimulate new research, which has rigorous scientific foundations, but which may not be currently funded adequately, because of its perceived novelty, its high risk, or because it is from an area where traditional research interests absorb most funding. Areas of interest include, but are not limited to:

- Structural biology
- Molecular genetics
- Studies with model systems ranging from lower eukaryotes to humans
- Inquiries testing the relevance of simpler models to human aging
- Genetic epidemiology of aging; candidate longevity genes
- Aging in the immune system
- Host defense molecules in aging systems
- Mechanisms of free radical induced cell aging
- Mechanisms of aging in various differentiated cell populations
- Gene/environment and gene/gene interactions
- Integrative physiology
- Our microbiome
- New approaches to age-modulated disease mechanisms: Alzheimer's disease and others

Senior Scholar Award in Global Infectious Disease

Request for Letters of Intent - Deadline: February 28, 2003

The Global Infectious Disease Program, now in its third year, funds innovative research on parasitic and infectious diseases caused by viral, bacterial, fungal, protozoal or helminthic pathogens of major global public health concern that are relatively neglected in federally funded research in the U.S. The program aims to focus its support by placing emphasis on:

- (1) Innovative research that might not be funded by traditional sources, including projects involving the application of new concepts or new technologies whose feasibility is not yet proven, projects seeking commonalities among pathogens that might yield new insights into mechanisms of infection, invasion and pathogenesis, or projects seeking to bring together diverse scientific disciplines in the study of infectious diseases.
- (2) Aspects of fundamental research that may significantly impact the understanding and control of infectious diseases, but have not found a home within traditional funding agencies, such as:

- Our microbiome: natural microflora and pathogen ecology and evolution
- Therapeutic role of probiotics
- Diet, nutrition and immunity
- Implications of disease eradication
- Zoonoses: wildlife and human disease
- Comparative immunology
- Threats from newly explored habitats
- Host factors, human genomics and disease susceptibility
- Signaling and gene flow between parasites & hosts
- Parasite molecular mimicry
- Fever and other symptomatology
- Plasmid and phage determinants of virulence
- Phylogeny and ultimate origins of viruses
- New concepts for antivirals and antiparasitics
- Nosocomial infection and sanitary precaution
- Dyshygienic abuse of antibiotics and microbicides
- Fundamental studies on exotic microbes and diseases

For either of the above awards: Letters of Intent to submit an application must be received before close of business **February 28, 2003** at The Ellison Medical Foundation address below. ***See website for guidelines on submitting your letter of intent: <http://www.ellisonfoundation.org>.*** Applicants invited to submit a full application will be notified of their selection and provided with application forms about June 1, 2003. Up to ten Senior Scholars for each Program will be selected in 2003. **Each award will be made for up to \$150,000 per year direct cost, with full indirect cost at the institution's NIH negotiated rate added to that, for up to four years.**

Contact: Richard L. Sprott, Ph.D., Executive Director; or Stephanie James, Ph.D., Deputy Director
The Ellison Medical Foundation
4710 Bethesda Avenue, Suite 204
Bethesda, MD 20814-5226
Phone: 301-657-1830; Fax: 301-657-1828

AWARDS

INTERNATIONAL
HDL Research

AWARDS PROGRAM

Application Deadline: March 14, 2003

The International HDL Research Awards Program

Enhancing Our Understanding of HDL Biology and Its Relationship to Atherosclerosis

2003 – 2005

Call for Proposals

\$100,000 per year for 2 years

Pfizer Inc is pleased to announce the second funding cycle of the International HDL Research Awards Program (HDL Research Program). The HDL Research Program is a unique opportunity for Pfizer to reinforce its commitment to supporting research at academic institutions throughout the world.

The mission of the International HDL Research Awards Program is to support outstanding investigators in the field of HDL biology, including its relationship to atherothrombotic disease. This program will support basic and clinical research into the metabolism and biological activities of HDL particles including their role in the atherothrombotic process.

Research may be in but is not restricted to any of the following areas:

- Arterial wall
- Assembly/remodeling
- Atherosclerosis
- Cell biology
- CETP (basic and clinical research)
- Epidemiologic studies utilizing existing populations or samples (not new epidemiologic studies)
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- Genomics
- HDL particles and macrophage cholesterol efflux
- Inflammation/apoptosis
- Mechanisms of HDL changes during drug therapy
- Metabolism
- Oxidative phenomena
- Reverse cholesterol transport
- Structure function studies
- Thrombosis
- Transcription factors
- Vascular biology

The intent of the program is to fund \$100,000 of direct costs per year for 2 years with 10% overhead. Announcement of the award recipients will be made on or before July 15, 2003.

Application Deadline: March 14, 2003

Start of Award: on or about August 1, 2003.

For further information and application materials, please contact:

Grant Coordinator
International HDL Research Awards
fax: 212-751-2005
e-mail: hdlawards@mindspring.com

To download application, please visit the following website:
www.physicianscientist.com



GRANTS

What is
NCCAM?\$5.3 Million Available in 2003
for New Research Centerswww.nccam.nih.gov

A component of the National Institutes of Health, NCCAM supports rigorous scientific research on complementary and alternative healing practices, educates and trains CAM researchers, and disseminates information to the public and professionals.

The National Center for Complementary and Alternative Medicine (NCCAM) announces three new programs to advance complementary and alternative medicine (CAM) research.

Centers of Excellence for Research on Complementary and Alternative Medicine

Centers of Excellence will support **program project grants** (P01) to elucidate the mechanisms of action of CAM modalities. These awards will provide new opportunities for experienced molecular or cellular biologists, imaging scientists, immunologists, neurobiologists, pharmacologists, physiologists, and other scientists to investigate fundamental questions related to CAM.

*Letters of intent due March 29, 2003
Receipt date is April 29, 2003*

Developmental Centers for Research on Complementary and Alternative Medicine

Developmental Centers will support **U19 cooperative agreements** in which CAM and conventional institutions and investigators partner to conduct **exploratory and developmental research projects**. These awards will provide opportunities for CAM institutions

and investigators to strengthen their research expertise and infrastructure while enabling conventional researchers to gain clinical and cultural perspectives critical to the conduct of CAM research.

*Letters of intent due March 14, 2003
Receipt date is April 15, 2003*

Planning Grants for International Centers for Research on Complementary and Alternative Medicine

Planning Grants for International Centers will support U.S. and international institutions to jointly plan exploratory and developmental studies of traditional/alternative healing approaches. The Planning Grants will lay the groundwork for developing applications for an International Center for Research on CAM that will be called for in 2004.

*Letters of intent due February 28, 2003
Receipt date is March 28, 2003*

National Institutes of Health • Department of Health and Human Services



ISPMB 2003

Barcelona

June 23-28, 2003

7th INTERNATIONAL CONGRESS OF PLANT MOLECULAR BIOLOGY

METABOLISM • DEVELOPMENT • HORMONE ACTION • BIOTIC AND ABIOTIC STRESS
GENOMICS AND POSTGENOMICS • BIODIVERSITY AND EVOLUTION
GENE REGULATION AND SIGNAL TRANSDUCTION • MOLECULAR BREEDING
PLANT BIOTECHNOLOGY AND ITS SOCIAL IMPACT

Visit the congress web at
www.ispmb2003.com

Submit your abstract before
14 February 2003



The International Society
for Plant Molecular Biology



Inserm

French Institute
of Health and Medical Research

Join Inserm with a new career track for scientists

To support outstanding scientists,

Inserm is launching a new career track,

in collaboration with hospitals and universities.

Inserm is the French National and
Public Institute for Biomedical
Research. It covers all research
fields from basic research to clinical
diagnostic, therapeutic and
Public Health research.

Its missions are:

- to support laboratories and researchers,
- to disseminate knowledge and know-how,
- to apply research results in the
biotechnological, technological
and pharmaceutical industries.

The position offers:

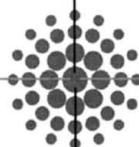
- Tenure with, depending on professional experience, a fixed yearly salary (including family medical insurance and pension scheme) ranging from € 25 000 to 61 000; and
- A five-year renewable agreement with a € 18 000 complementary yearly salary paid by the hospital or university. Selected applicants will thus receive a yearly salary ranging from € 43 000 to € 79 000.

Inserm will facilitate the settling in France of selected applicants and help them to find adequate accommodation for their family.

International experts and scientific committees will review all applications.

The application file can be downloaded from the Inserm
website www.inserm.fr

Deadline for application: January 24, 2003.



ARA
a focus on
the science
The ARA Program
A Focus on the Science
2003

Application Deadline:
March 17, 2003

Call for Proposals
\$50,000 for 1 year with the potential
for funding for 2 years

Pfizer Inc is pleased to announce the 2003 deadline for the ARA Program: A Focus on the Science. The ARA Program represents a unique opportunity for Pfizer to continue its commitment to supporting research at academic institutions throughout the United States.

Since its inception in late 1998, the ARA program has completed four review cycles and has distributed approximately \$6 million in grants to up-and-coming investigators throughout the United States. Several of our awardees have published abstracts, papers, and posters with leading scientific journals and have presented their findings at scientific sessions nationwide.

The mission of the ARA program is to support outstanding investigators at the early stages of their careers in academic research. The ARA will support research into **basic mechanisms of disease** that may broadly involve:

- Lipid metabolism and/or vascular biology—and/or —
- HMG-CoA reductase pathways or novel effects of statins

Research may be in any of the following areas:

- | | |
|---------------------------|---------------------------|
| • Neuroscience | • Diabetes |
| • Cardiovascular medicine | • Endocrinology |
| – atherosclerosis | • Inflammation/immunology |
| – lipoprotein metabolism | • Oncology |
| – thrombosis | |
| – vascular biology | |

Proposals involving clinical trials requiring new informed consent will **NOT** be accepted for review.

The ARA will award a maximum of 20 grants for 2003 with the potential of funding for 2 years.

Awards are \$50,000 per year with the potential for funding for 2 years (total: \$100,000). Announcement of the award recipients will be made on or before June 2, 2003.

Application Deadline: March 17, 2003

Start of Award: On or about July 1, 2003

For more information about the ARA Program, contact:

Grant Coordinator
The ARA Program
Fax: 212-751-2005
E-mail: arawards@mindspring.com

To download the application, please visit the following website:
www.arawards.com



Bridge the Gap Between
Discovery and Clinical Testing

Access the National Cancer Institute's (NCI) vast resources free of charge to help move therapeutic agents for cancer to the clinic. The National Cancer Institute invites the submission of proposals to:

Rapid Access to Intervention Development
RAID

RAID is not a grant program. Successful applicants instead will receive products or information generated by NCI contractors to aid the applicant's development of novel therapeutics towards clinical trial. The goal of RAID is the rapid movement of novel molecules and concepts from the laboratory to the clinic for proof-of-principle clinical trials. RAID will assist investigators by providing any (or all) of the preclinical development steps that may be obstacles to clinical translation. These may include, for example, production, bulk supply, GMP manufacturing, formulation and toxicology.

•The next deadline for receipt of applications is February 1, 2003

•Further information about this program can be found at:
<http://dtp.nci.nih.gov>

•Inquiries can be made to the RAID Program Coordinator by telephone at 301-496-8720 or by e-mail at RAID@dtpax2.ncifcrf.gov



RAID
Developmental Therapeutics Program
National Cancer Institute
6130 Executive Blvd., RM 8024
Rockville, MD 20852
Tel: 301-496-8720; Fax: 301-402-0831
raid@dtpax2.ncifcrf.gov



Frontiers in Human Embryonic
Stem Cells
Pittsburgh, Pennsylvania

ADVANCED TRAINING COURSE

April 28, 2003 – May 17, 2003

- HESC Growth, Propagation, Pluripotency, Differentiation
- Transgenesis, Cloning and Epigenesis
- Realizing Clinical Promise: Juvenile Diabetes, Parkinson's
- Non-Invasive HESC Imaging: MRI, PET, OCT
- Regenerative Medicine Frontiers: ES, EG, EC and Adult Stem Cells

SYMPOSIUM: EMBRYONIC STEM CELL BIOMEDICINE

The Journey from Mice to Patients

May 15 – 17, 2003

First annual Symposium is a comprehensive perspective of Human Embryonic Stem Cell research. Sessions include: HESC potential and current limitations; genetic and epigenetic regulation; critical knowledge gaps between human and mouse ESCs.

Program Organizers
Gerald P. Schatten, PhD
Pittsburgh Development Center
Magee-Womens Research Institute
&
Roger Pedersen, PhD
University of Cambridge

Presented by
Pittsburgh Development Center of Magee-Womens Research Institute at the University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania

For information or
registration, contact
412-641-2400 or visit
PDC.magee.edu



Pittsburgh Development Center



Spanish National Cancer Centre

Forthcoming CNIO Cancer Conferences

To serve as a forum for the exchange of ideas in basic and applied cancer research, the CNIO is dedicated to organising annual international conferences: The CNIO Cancer Conferences (CCC's).

TARGETED SEARCH FOR ANTICANCER DRUGS

Madrid, March 17-19, 2003

ORGANISERS: Amancio Carnero and David Beach

Application Deadline: January, 31, 2003

SMALL GTPases IN HUMAN CARCIOGENESIS

Madrid, June 16-18, 2003

ORGANISERS: Juan Carlos Lacal, Channing Der, and Shuh Narumiya

Application Deadline: April, 4, 2003

Participants: Limited around 25 for each conference, no registration fee required. Please note application deadlines. For enquires surrounding application and abstract submission, please consult: <http://www.cnio.es/ccc>
All information concerning our forthcoming events will be regularly updated. For further information about our Centre and other activities please visit <http://www.cnio.es>

2004 CNIO Symposium Madrid, February 3-6

THE MOLECULAR TAXONOMY OF CANCER

ORGANISERS: Kevin Davies,
Todd Golub and Miguel A. Piris

For all queries surrounding this event,
along with sponsorship opportunities,
please contact Amanda Wren:
symposium@cnio.es



COURSE

2003 Microscopy Courses

Marine Biological Laboratory

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This comprehensive course provides an in-depth examination of the theory of image formation and the application of video methods for exploring subtle interactions between light and the specimen.

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This course is designed primarily for research scientists, physicians, postdocs and graduate students seeking a comprehensive introduction to microscopy and video imaging.



For more information, contact:
Carol Hamel

Admissions Coordinator
(508) 289-7401; admissions@mbi.edu
or visit: <http://courses.mbl.edu>

MBL is an EEO/Affirmative Action Institute.

Woods Hole, Massachusetts



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13-14 March 2003

In utero stem cell transplantation and gene therapy - Lyon, France

6-8 April 2003

Emergence and control of zoonotic viral encephalitis - Annecy, France

26 May-6 June 2003

4th Advanced Vaccinology Course (ADVAC-4) - Annecy, France

11-13 July 2003,

Vaccination at the dawn of the 21st Century - Tokyo, Japan

23-24 October 2003

Epistemology workshop: Evolution of animal models of human diseases - Lyon, France

17-19 November 2003 (tentative date)

Immunization against nosocomial bacterial infections - Annecy, France

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Information: www.fond-merieux.org



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Friday, March 7, 2003

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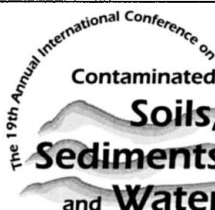
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ADVANCES IN THE CLINIC & THE LAB
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dleonard@schoolph.umass.edu

Conference Co-Directors:

Paul Kostecki, Ph.D. • Edward J. Calabrese, Ph.D.
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Submissions Deadline: February 10, 2003

COURSE

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Application deadline: Feb 15, 2003

Contact: Geobiology Course Committee
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AWARDS

The Louis and Artur Lucian Award For Research in Circulatory Diseases

Each year a Committee from the McGill University Faculty of Medicine confers the Louis and Artur Lucian Award (\$50,000 Can.) for outstanding research in the field of circulatory diseases. The purpose of this Award is to honour a scientific investigator or group of investigators whose contribution to knowledge in this field is deemed worthy of special recognition. The successful recipient is invited to spend a short period of time at McGill University to give a formal Lucian Lecture and to have interchanges with members of the McGill community. Submissions should be received on or before **April 1, 2003**.

For information and request of nomination form, please check the following website, <http://www.mcgill.ca/LucianAward> or contact:

Dr. R.P. Michel, Secretary
The Louis and Artur Lucian Award Committee
McGill University
Department of Pathology
3775 University Street
Montreal, Que., CANADA H3A 2B4
Tel: (514) 398-7192, Ext. 00502
FAX: (514) 398-7446



Endowed Chair in Environmental Biology

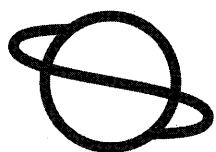
The Department of Biological Sciences, Loyola University, New Orleans is seeking an outstanding scholar to fill an Endowed Chair in Environmental Biology. The successful candidate will be an accomplished researcher and educator whose qualifications merit appointment at the rank of Full Professor. The chairholder will provide leadership in developing academic programs to address environmental problems common to Louisiana; develop a vigorous externally funded environmental research program that includes collaboration with and support of undergraduates; develop and submit grant proposals to support research and education programs; provide scientific expertise to diverse stakeholders; interact with other endowed chairs and programs at Loyola University; and develop and teach innovative undergraduate courses and curricula to science and non-science majors.

Applicants must have a Ph.D. in the biological sciences with a specialization that addresses questions in a field of environmental biology. The successful candidate's research must examine a significant biological process that underlies an environmental problem, which can be focused at the level of the cell, organism, population, community, or ecosystem. Applicants are urged to visit the departmental website (<http://www.loyno.edu/~biology>) to learn more about the endowed chair position and departmental resources.

The chair will be housed in the Department of Biological Sciences. The department provides outstanding academic experiences which develop within students an excellent knowledge base as well as problem-solving, research, and communication skills. Biology faculty have established outstanding research collaborations with researchers at nearby universities, federal research centers, and biomedical and public health laboratories.

Those interested in applying should send a CV, statements of teaching and research interests and expertise, and contact information for at least 3 references to: **Environmental Biology Endowed Chair Search Committee, Department of Biological Sciences, Loyola University, New Orleans, LA 70118**. We will begin reviewing applications on January 10, 2003 and will continue until the position is filled.

Loyola University New Orleans is an Equal Opportunity/Affirmative Action Employer.



**Global
Environment
Facility**



**CHIEF EXECUTIVE OFFICER AND CHAIRPERSON,
GLOBAL ENVIRONMENT FACILITY
Washington, DC**

The GLOBAL ENVIRONMENT FACILITY (GEF) is a major catalyst for improving the global environment. The GEF was formally launched in 1994 to forge cooperation and to finance actions addressing biodiversity loss, climate change, degradation of international waters and ozone depletion. Its mandate has since expanded to include land degradation and Persistent Organic Pollutants. GEF is the designated financial mechanism for international agreements on biodiversity, climate change, and persistent organic pollutants. Its projects are developed and carried out through public and private partnerships, with UNDP, UNEP and the World Bank playing central roles in their capacity as GEF Implementing Agencies and with regional development banks (AfDB, AsDB, EBRD, IADB) and UN agencies (FAO, IFAD, UNIDO) recently joining this effort.

GEF counts 173 countries as members, and representatives from all of them provide direction to the GEF through the GEF Assembly. GEF's governing council, which is assisted by a Secretariat, adopts and evaluates GEF programs. Its 32 members represent 16 developing countries, 14 developed countries, and 2 countries with transitional economies. GEF welcomes representatives of nongovernmental organizations as observers.

The GEF seeks a leader in the International Environment Community. He or she will:

- lead the Council in implementing its mandate to shape policies, programs and projects that assist in the protection of the global environment, consistent with the objectives and priorities of the global environmental conventions and agreements;
- manage the functions assigned to GEF's Secretariat, and be accountable to the Council for the performance of the Secretariat; and to
- promote collaboration within the GEF partnership of Implementing and Executing Agencies, and foster the development of existing and new partnerships designed to advance the cause of the GEF, including those with the private sector and the NGO community.

In exercising the first of these responsibilities, the CEO/Chairperson represents the GEF and its Council in global fora for sustainable development and the environment, and leads the interaction by the GEF with the Secretariats of the global conventions.

Selection Criteria

- Proven record of achievement and strong professional background and work experience in the field of environment and sustainable development.
- Internationally recognized ability to provide leadership and shape strategic thinking in international governance structures such as the GEF Council as well as in global fora for environment and sustainable development.
- Thorough familiarity with the structure and operations of the international development assistance organizations, in particular the multilateral development banks and the United Nations system, and other GEF related processes.
- Demonstrated management skills, preferably through a managerial assignment with an international organization, for leading the multi-sectoral and multi-national GEF Secretariat, to promote effective program implementation.
- Strong interpersonal skills with a proven ability to facilitate cooperation and partnerships, communicate effectively, and negotiate persuasively.

This is a senior level position with commensurate benefits. For additional information please visit any of the following websites: www.gefweb.org, <http://www.undp.org/gef>, <http://www.unep.org/gef>, <http://www.worldbank.org/gef>. Please respond with a letter of interest and CV or nomination. All applications, which will be treated in full confidence, should be sent electronically to:

Megan Parker
Russell Reynolds Associates
1701 Pennsylvania Avenue
Suite 400
Washington, DC 20006-5805
E-mail: gefceo@russellreynolds.com

**TENURE-TRACK POSITION IN DEPT
OF DEVELOPMENTAL AND CELL
BIOLOGY
UNIVERSITY OF CALIFORNIA, IRVINE**

The Department of Developmental and Cell Biology at the University of California, Irvine invites applications for a tenure track position at the Assistant Professor level in the general area of systems and/or quantitative biology. We seek individuals who are creatively applying quantitative approaches to study complex systems. The ideal candidate will combine biological experimentation with technological development, simulation and/or theoretical approaches in the general area of Cell or Developmental Biology.

The successful candidate must possess a Ph.D. (or equivalent) and will be expected to establish a vigorous research program and participate effectively in teaching at the undergraduate and graduate levels. These positions are part of a large campus-wide initiative that emphasizes the interface between biology, computation, engineering and the physical sciences. Candidates should send a complete curriculum vitae, bibliography, statement of research interests and names of at least three references to:

**Cell Biology Search Committee
Department of Developmental
and Cell Biology
University of California
Irvine, CA 92697-2300**

Applications will be considered beginning January 1, 2003 and continue until the position is filled.

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BIOTECH DEVELOPMENT

• Director, Biotech Development

Ph.D. in Biological Sciences/Biochemical Engineering, 15 years' industrial experience in biotechnology development including regulatory and compliance experience, and proven leadership abilities are required. cGMP/BLA/MAA experience preferred. You will lead Bioprocess Development, Engineering, Development Support and Technical Services.

Job Code 01-2185

BIOPROCESS DEVELOPMENT

• Associate Director, Bioprocess Development

Ph.D. in Biochemical Engineering, Cell Biology or Protein Biochemistry, and 6-8 years' field experience with proficiency in cell culture, protein purification, and cGMP/BLA/MAA are required. You will lead the development of late stage biologics cell culture and protein purification processes, and develop/execute plans to streamline the manufacturing process.

Job Code 02-3678

• Purification Development Group Leader

Ph.D. in Biochemistry or a related field and 5 years' experience in protein purification development with GMP requirements are required. You will direct scientists/engineers in the development of protein purification processes, design/execute projects, and maintain knowledge in appropriate disciplines.

Job Code 01-2179

BIOPROCESS ENGINEERING

• Senior Scientist/Engineer, Cell Culture/Process Validation

Ph.D. in Biochemical Engineering, Cell Biology or Biological Sciences, 2-4 years' cell culture process development and validation experience, and 2+ years' supervisory experience with cGMP requirements are required. You will lead the activities in development/validation of late stage cell culture processes and develop/execute plans to streamline the validation process.

Job Code 02-3681

• Senior Scientist, Process Validation Recovery/Purification

Ph.D. in Protein Chemistry, Biochemistry or a related discipline, and 1-3 years' postdoctoral protein chemistry experience with GMP requirements are required. You will develop protein purification processes, produce scaled-down qualification/validation studies, and interface with production and analytical staff.

Job Code 01-3607

• Scientist, Documentation Systems

B.S./M.S./Ph.D. in Biological Sciences with 2-4 years' field experience, supervisory experience, and proficiency in validation/manufacturing documentation systems with cGMP/BLA/MAA requirements are required. You will design, develop and implement manufacturing documentation systems, and support studies in validation documentation.

Job Code 02-3683

DEVELOPMENT SUPPORT

• Senior Engineer/Scientist, Development Support

B.S./M.S./Ph.D. in Biochemical Engineering, Cell Biology or Protein Biochemistry with 2-4 years' field experience, proficiency in Pilot Plant/Laboratory Management and cGMP requirements are required. You will support innovative late stage cell culture and protein purification process development, validation, and troubleshooting.

Job Code 02-3682

• Technologist, Downstream Development Support

A.A.S. in General Science, 2 years' field experience, and proficiency in general sciences with cGMP requirements are required. You will operate the downstream equipment in validation lab, support development/validation of late stage cell culture processes, and conduct critical process parameter study.

Job Code 02-3685

TECHNICAL SERVICES

• Manager/Group Leader - Technical Services

B.S./M.S./Ph.D. in Biochemical Engineering, 6-8 years' field experience, and proficiency in manufacturing support/operations with cGMP requirements are required. You will provide technical services for manufacturing biologics, support inoculum, fermentation and purification operations.

Job Code 02-3679

• Assistant/Associate Scientist/Engineer, Recovery

B.S./M.S. in Biochemical Engineering, 2 years' field experience, and proficiency in downstream process with cGMP requirements are required. You will support the Operation Variance, Process Change, Out of Specification and Failure investigations of recovery steps, and ensure MBR/SOP/Protocol compliance.

Job Code 02-3686

BIOTECH OPERATIONS

• Associate Director, Operations

M.S. or Ph.D. in Biochemical Engineering or a relevant biological science, and 10 years' biologic manufacturing experience in a cGMP environment, including thorough understanding of fermentation/purification processes is required. You will provide overall technical and budgetary leadership and direction to a large manufacturing team of Scientists, Engineers, and Technicians in a state-of-the-art biologics manufacturing facility.

Job Code 02-4124

ANALYTICAL BIOCHEMISTRY

• Associate Director/Group Leader

Ph.D. with extensive analytical experience in the biopharmaceutical industry is required. You will provide leadership for methods development and validation using advanced technology, bioprocess development support and planning.

Job Code 02-4798

• Senior Scientist

Ph.D. in Biochemistry or related field, with 5+ years' experience in protein characterization/purification, bioassay/ELISA, or HPLC/peptide mapping is required. You must have strong writing skills for scientific report and validation documentation and be able to work in a cGMP environment. 2nd shift positions available. You will provide leadership and manage specialized research activities using advanced analytical technologies (e.g., LC/MS/MS, automated immunodetection, electrophoresis).

Job Code 02-4065

• Scientist

B.S. or M.S. degree in Biotechnology or related scientific field with hands-on lab experience in chromatography, spectroscopy, electrophoresis, and/or other various laboratory and analytical instrumentation required. SOPs in a cGMP environment desired. 2nd shift positions available.

Job Code 02-4060

• Scientist (LIMS)

M.S. required, Ph.D. is preferred. You must have 5+ years' experience working with a variety of lab instrumentation, including HPLC, GC, MS, spectroscopy, chromatography and data archive systems. Knowledge of IQ/OQ/PQ and 21CFR part 11, as well as familiarity with Oracle, Web and latest technologies is essential. You will supervise LIMS support and train users, maintain SOPs in LIMS format, establishing automated transfer of data and customizing reports in Analytical Information area.

Job Code 02-4799

We offer a competitive compensation package and comprehensive benefit programs. Interested candidates should submit their resume, referencing Job Code, via email to: Syracuse.jobs@bms.com or mail to: **Bristol-Myers Squibb Company, P.O. Box 4755, Syracuse, NY 13221-4755**. Please reference the Job Code at the top of your resume. For additional information, please visit our website at: www.bms.com/careers.



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CHAIR
Department of Physiology
The University of Texas Health Science
Center at San Antonio

The Search Committee for the Chair of Physiology at the University of Texas Health Science Center at San Antonio (UTHSCSA) invites applications and nominations for this position. We seek candidates with outstanding records of scientific accomplishment, grant support, and mentoring, consistent with a tenured appointment at the level of full professor. Strong leadership, communication and interpersonal skills are required. Applicants with research interests in any area of Physiology will be considered. The Department currently consists of eighteen full-time faculty, fourteen cross-appointed faculty, seventeen doctoral and twelve master's students, and fourteen post-doctoral associates. Major strengths of the Department are in the areas of cardiovascular, cellular/molecular biology and biophysics of regulatory mechanisms. Research in aging is also a departmental emphasis. The Department of Physiology is one of seven Basic Science Departments that comprise the Graduate School of Biomedical Sciences, which is one of five component schools of the UTHSCSA. This is an exceptional opportunity to lead a strong academic department in a desirable geographic location. Applications should include a curriculum vitae, a statement of research interests and academic vision, and a list of four references.

The search committee will begin reviewing applications by **January 15, 2003**, and the search will continue until the position is filled. Send materials electronically to smithj@uthscsa.edu or by mail to: **Maharaj K. Ticku, Ph.D., Chair, Search Committee for Physiology Chair, Graduate Dean's Office, MC 7819, University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78229-3900.** Information concerning the UTHSCSA and the Department of Physiology can be found through the World Wide Web address at <http://www.uthscsa.edu>.

The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer.



POSTDOCTORAL FELLOW
Oncology
Rochester, Minnesota, U.S.A

Postdoctoral Positions are available immediately to study the roles of tumor suppressor genes p53, Chk2, BRCA1/BRCA2 and the regulation of DNA damage-signaling pathways.

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Applications, including curriculum vitae and bibliography, summary of past accomplishments, and the names of three references, should be sent to:

Junjie Chen, Ph.D.
Assistant Professor, Oncology
Guggenheim Building, Room 1342
200 First St. SW
Rochester, MN 55905
507-538-1545
chen.junjie@mayo.edu

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POSTDOCTORAL FELLOW
Experimental Pathology
Rochester, Minnesota, U.S.A

Postdoctoral research positions supported by the National Institutes of Health are available for highly motivated individuals interested in: (1) Mechanisms of BRCA2 dependent genome instability; (2) identification and characterization of novel amplified oncogenes involved in breast and ovarian cancer. In vitro molecular assays and animal models will be used for both studies. Applicants should have a Ph.D. with experience in molecular biology and/or cell biology.

Salary will be determined by the successful candidate's experience. There is an attractive benefit package. Mayo Clinic is a not-for-profit organization. Mayo integrates research with clinical practice and education in a multi-campus environment. For further information please visit <http://www.mayo.edu/research/>.

Applications, including curriculum vitae and bibliography, summary of past accomplishments, and the names of three references, should be sent to:

Fergus J. Couch, Ph.D.
Assistant Professor
Experimental Pathology
Mayo Clinic, 200 First Street SW
Rochester, MN 55905
507-284-3623
couch.fergus@mayo.edu

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GenomeBritishColumbia

CHIEF SCIENTIFIC OFFICER

Genome British Columbia is a leader in developing a life sciences cluster in British Columbia. We are creating infrastructure, encouraging investment, transferring technology and establishing partnerships with researchers and research facilities throughout British Columbia. Current projects and platforms represent more than \$112M directed to genomics research, the single largest investment in life sciences R&D in BC.

Genome BC is looking for a world-class scientist with an international reputation for excellence to join its executive team as **Chief Scientific Officer**. Reporting to the President and CEO, the CSO will lead the growth of a dynamic, internationally competitive genomics community in British Columbia through strong leadership within Genome BC and throughout the larger genomics community in BC.

The successful candidate will have:

- Ph.D, M.D. or equivalent, with recent publications in genomics, proteomics or bioinformatics;
- Vision, insight and experience to identify and move in new directions in science;
- Leadership skills and experience to contribute to the ongoing development of the Genome BC faculty and to foster collaborations amongst scientists at all levels and areas of interest.

Interested parties are encouraged to visit www.genomebc.ca for more details on Genome BC and this opportunity. Applicants should send a statement of interest, a detailed CV, and names of 3 referees, via email to csojob@genomebc.ca or to: **CSO Position, Genome British Columbia, 400 - 1367 West Broadway, Vancouver, British Columbia, V6H 4A7, Canada. Fax number: 604-738-8597**



Virginia Bioinformatics Institute (VBI) has built an internationally recognized scientific program with significant extramural funding. VBI is assembling a large team of highly motivated faculty (assistants, associates, or full research professors) and researchers.

Key components to VBI's unique structure are its cost-service centers: the Core Computational Facility (CCF) and Core Laboratory Facility (CLF). VBI is seeking expertise in the leadership and management of research programs associated with its core facilities. Nominations and applications will be accepted for positions:

Director, Scientific Bio-Computing

Director, Scientific Bio-Computing will serve as VBI chief information officer. Responsible for strategic planning, implementation and assessment of VBI's computing infrastructure. Expected to maintain world-class, aggressive, extramurally funded bio-computing research program that uses the CCF infrastructure. Will oversee VBI's CCF, a high-performance computing cost recovery facility serving VBI, Virginia Tech and other researchers through access to bioinformatics computing infrastructure and applications. Will work collegially with VBI and Virginia Tech faculty, and have direct experience in development of research projects related to bioinformatics, as well as experience managing a high performance computing facility. Ref: SCF500CCF

Director, Systems Biology

Director, Systems Biology will serve as senior laboratory official of VBI. Responsible for strategic planning, implementation, and assessment of VBI's CLF and research laboratories. Will be expected to maintain a world-class, aggressive, extramurally funded scientific program that uses the CLF infrastructure. Will oversee VBI's CLF, a cutting-edge cost recovery facility serving VBI, Virginia Tech and other researchers through genomics, transcriptomics, proteomics, and metabolomics services. Will work collegially with VBI and Virginia Tech faculty, and have direct experience in research project development related to high-performance data generation, and experience in managing a laboratory facility. Ref: SCF100GE

VBI is currently recruiting for the following faculty and research staff positions. Faculty members will seek independent funding and publish original research in peer-reviewed journals.

Faculty Positions

Computational Immunologist

Experience in modeling some aspect of immune function or developing bioinformatic algorithms for immunology research, e.g., epitope prediction, required. Applicants incorporating functional genomics and proteomics data in their research are encouraged to apply. Will support a new dynamic research focus in immune system modeling. PhD in mathematics, computer science, biology or related field. Ref: SCF100B

Pathogenic Microbiologist

Will focus research on microbial diseases of plants or animals with either host or pathogen emphasis. Expected to lead research program emphasizing genomics, proteomics, bioinformatics or metabolomics. PhD in plant or microbial molecular biology or equivalent. Ref: SCF100B

Molecular Modeling or Computational Biophysics

Will grow and maintain an independent research group focused on computational biophysics. Broad knowledge of programming languages (C, C++, Java) and shell script programming. Preference given to interests in steered molecular mechanics, structural genomics, docking, and/or large-scale simulations of complex biomolecular interactions. PhD in computational biophysics, physical chemistry, physics, or related area. Ref: SCF100B

Research Staff Positions

Metabolomics

Postdoctoral Associate will develop and validate methods for high throughput metabolite profiling of plants, animals and microorganisms using LC-MS and GC-MS technologies. Experience with solid phase extraction, HPLC and capillary LC, GC-MS, or LC-MS required. PhD or equivalent degree in chemistry, biochemistry, or related field and relevant laboratory experience in organic or inorganic chemistry. Ref: SCD310MET

Computational Biologist

Postdoctoral Associate will collaborate with Cell Biology Modeling Group to develop simulations and models of mitochondria in genetics, protein interactions and function, organelle dynamics, and cellular function. PhD in biology, mathematics, or computer science. Metabolic control analysis or medical simulation experience preferred. Ref: SCD200CB

Computational Biologist and Medical Modeler

Postdoctoral Associate will collaborate with Cell Biology Modeling Group to develop computational simulations and models of mitochondria emphasizing medical aspects of modeling. PhD in biology, mathematics, or computer science. Mitochondria, HIV modeling or medical simulations experience preferred. Ref: SCD200MM

Functional Genomics Technician

Research Associate will participate in a comparative functional genomics project including gene expression profiling, proteomics, and metabolomics. MS in molecular biology, microbiology, biochemistry, or related field. Experience in functional genomics, microarray, and/or Arabidopsis tissue culture. Ref: SCR100BT



CONTACT INFORMATION:

Candidates should submit CV and statement of research, including reference number, to:
Virginia Bioinformatics Institute, Human Resources
at hr@vbi.vt.edu, or mail to VBI Human Resources
and Hiring ATTN: Debi Darnell
1880 Pratt Dr., Bldg XV, Virginia Tech,
Blacksburg, VA 24061-0477.

An Equal Opportunity / Affirmative Action Institution

For a closer look, please visit us at: www.vbi.vt.edu

Faculty Positions at Virginia Tech Computer Science Department

The Department of Computer Science at Virginia Tech seeks applications for several tenure-track positions in the Department of Computer Science from individuals desiring to make fundamental contributions to both computer science and the life sciences in bioinformatics. Applicants for a senior position must have a significant track record of grant funding. PhD in Computer Science or equivalent, evidence of publications in computer science or computational science, and a commitment to addressing significant life science problems required.

Qualified applicants should send a CV, 1-2 page statement of research goals in both computer science and life science, and at least three letters of reference to Bioinformatics Faculty Search, Dept. of Computer Science, 660 McBryde Hall (0106), Virginia Tech, Blacksburg, VA 24061. Individuals with disabilities desiring accommodations in the application process should notify Dr. Lenwood Heath, 540 231-4352, TTY: 800-828-1120.

More information is available at: www.cs.vt.edu



MICROBIOLOGIST POSITION AVAILABLE

The USDA-Agricultural Research Service, Avian Disease and Oncology Laboratory in East Lansing, Michigan, is seeking a Microbiologist/Molecular Biologist/Cell Biologist to conduct research aimed at a better understanding and control of Marek's disease, an economically important herpesvirus-induced lymphoproliferative disease of chickens. The incumbent works as a member of a team and as an independent investigator in studies focused on molecular mechanism involved in immunopathogenesis of Marek's disease including characterization of various Marek's disease viral genes and their role in induction of disease. Specific objectives may include: (a) studying mechanisms involved in evolution of Marek's disease virus towards greater virulence; (b) evaluation of factors that influence the induction and maintenance of protective immune responses; (c) characterization of recombinant Marek's disease viruses carrying deletions or inserted foreign DNA to elucidate gene function or develop new vaccines; and (d) participate in development of improved methods for tumor diagnosis. The research is expected to provide information essential to the control of Marek's disease.

Applicants must have a degree in microbiology, biology, chemistry or medical science in addition to a Ph.D. or equivalent doctoral degree in a field of molecular biology, cell biology or microbiology OR 1 year of specialized experience equivalent to the next lower grade level in the Federal Service that is directly related to the work of this position. Applicants must be U.S. citizen. Salary for GS-12 ranges from \$54,275 to \$70,555; GS-13 salary ranges from \$64,542 to \$83,902; GS-14 salary ranges from \$76,271 to \$99,150 depending on experience. For full text vacancy announcement which includes detailed application information, call 301-504-1482 or access website www.ars.usda.gov, refer to ARS-X3W-3089. Applications must be postmarked by **January 20, 2003**. For specific questions about the position call **Dr. Aly Fadly** at 517-337-6828.

USDA/ARS is an Equal Opportunity Provider and Employer.

Postdoctoral Positions in Molecular Biology and Neurobiology



Several postdoctoral positions are available in the Department of Biology at Georgia State University (www.biology.gsu.edu) in the area of Molecular Genetics/Biochemistry and Neurobiology. The Department of Biology has state-of-the-art core facilities, is well-funded, and houses several research centers, including the Center for Biotechnology and Drug Design (<http://biology.gsu.edu/depart/centerBiotech.htm>) and the Center for Neural Communication and Computation (<http://biology.gsu.edu/depart/centerNeural.htm>). It is also part of a highly interactive inter-institutional community of biologists including the NSF-funded Center for Behavioral Neuroscience (<http://www.cbn-atl.org>).

Send your c.v. and the names and e-mail addresses of three references directly to one of the following project directors:

Dr. Phang C. Tai: Mechanism and function of protein translocases in bacteria. biopct@gsu.edu

Dr. Parjit Kaur: Molecular basis of drug resistance and transport in bacteria. pkaur@gsu.edu

Dr. Charles Derby: Cellular and molecular control of post-embryonic development in the olfactory system of spiny lobster. cderby@gsu.edu

Dr. Paul Katz: Evolution and neurophysiology of serotonergic circuits in molluscs. pkatz@gsu.edu

Dr. Sarah L. Pallas: Development and synaptic plasticity of mammalian sensory systems. spallas@gsu.edu

Dr. Chun Jiang: Functional genomics and cellular physiology. cjiang@gsu.edu

Georgia State University
Department of Biology
P.O. Box 4010
Atlanta, GA 30302-4010

Georgia State University, a Research University of the University Systems of Georgia, is an Equal Opportunity Education Institution and an EEO/AA Employer.

Research Opportunities at the National Institutes of Health Tenured and Tenure Track Positions in Laboratory of Biological Modeling

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), Department of Health and Human Services, invites applications for both tenured and tenure track positions in the newly established Laboratory of Biological Modeling. The Laboratory will be comprised of scientists who use computational approaches to understand cell biological and physiological systems. Specific areas of research interest will include mathematical modeling at the subcellular, cellular, tissue and system levels. Excellent computational facilities and resources for rapid achievement of research goals are available. The position offers unparalleled opportunities for interdisciplinary collaboration within NIDDK and throughout NIH. Applicants should have an outstanding record of research accomplishments and will be expected to propose and pursue an independent research program.

The Laboratory of Biological Modeling, NIDDK will be located on the main intramural campus of the NIH in Bethesda, Maryland, a suburb of Washington, D.C.

Interested applicants should send a Curriculum Vitae and list of publications, copies of five major publications, a summary of research accomplishments, a plan for future research, and three letters of recommendation to: Dr. William A. Eaton, Chair, Search Committee, Laboratory of Chemical Physics, NIDDK, Building 5, Room 104, NIH, Bethesda, MD 20892-0520.



DHHS and NIH are Equal Opportunity Employers



Hematologist Oncologist Rochester, Minnesota

The Department of Hematology and Internal Medicine is seeking a **BC/BE Hematologist Oncologist** with laboratory-based research experience related to multiple myeloma, with particular focus on bone marrow microenvironment and bone marrow angiogenesis. Laboratory experience in the use of replicating viral vectors for cancer therapy is desirable. The applicant must be experienced in clinical trial design and conduct and in the care of patients with multiple myeloma and amyloidosis. The individual should have a proven track record in blood and marrow transplantation related research. Formal training in clinical research is a requisite.

Salary will be determined by the successful candidate's experience. There is an attractive benefits package. Mayo Clinic Rochester is a non-profit, physician led, clinical practice integrated with education and research in a unified multi-campus system.

Submit curriculum vitae and copies of first authored publications to:

Dr M.A. Gertz
Department of Hematology and Internal Medicine
Mayo Clinic
200 First Street SW
Rochester, MN 55905

Mayo Foundation is an Affirmative Action and Equal Opportunity Employer and Educator.



A new world of plant biotechnology has emerged in North Carolina.

Throughout the 20th century, BASF has played a leading role in agriculture and nutrition. BASF Plant Science (BPS) was founded in 1998 and is represented at seven sites in four countries. With this international network of expertise, BPS is especially well equipped to be a leader in plant biotechnology, creating and commercializing innovative products to help keep the world's growing population well fed in the 21st century. You could be an integral part of the BPS family.

Join Us in Research Triangle Park

Research Triangle Park, NC is one of the largest research parks in the world. The Raleigh-Durham-Chapel Hill area was ranked #1 in the "2002 Best Places to Live and Work in America" by BestJobsUSA.com, and is home to:

- *Three world-renowned research universities.*
- *Two of the nation's top teaching and research hospitals.*
- *Museums, performing arts facilities, top professional and college sports teams, world-class golf, and more.*

Add a temperate climate and beautiful landscapes, along with modern, well-maintained highways and a newly expanded international airport, and the result is an almost ideal professional and family lifestyle.

BASF Plant Science is bringing the future of plant biotechnology to Research Triangle Park with the growth of our plant science biotechnology research center. Join us.

www.basf.com/plantscience

Plant Tissue Culture & Transformation Specialists

Join our world-class team on the cutting edge of plant biotechnology research. Immediate openings for outstanding Researchers to contribute to our crop plant transformation efforts. In this role, you will invent novel plant transformation methods and use them to develop proprietary, genetically-engineered corn and soybean crops.

The ideal candidate will have a PhD/MS/BS in a relevant biological or agricultural science, with 5+ years demonstrated research experience. You must have experience in plant cell and tissue culture, and crop plant transformation, preferably soybean or corn.

Additional opportunities for exceptional scientists.

Due to our firm commitment to achieve rapid success in plant biotechnology, we have a number of open positions throughout our organization. To learn more about career opportunities within BASF Plant Science and BASF Corporation, visit:

www.basf.com/careers

Accelerate your career as you improve your quality of life.

For immediate consideration, email CV and cover letter with the Jobcode Reference "BADSC" to: Human Resources, BASF Plant Science, BartleDL@basf.com. As an industry leader, we offer attractive salaries, an excellent benefits package and a stimulating entrepreneurial environment for scientists to succeed. EOE.



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BASF

UNIVERSITÄT BASEL

The Faculty of Science of the University of Basel invites outstanding scientists to apply for the

Chair in Pharmaceutical Biology

(full professor) at the Department of Pharmaceutical Sciences.

The new faculty member is expected to establish an innovative area of research in Pharmaceutical Biology with an orientation towards biotechnology. Research activities will focus on biogenic drugs derived from plants or microorganisms, the elucidation of their biological effects at the molecular level and their biosynthesis. We are seeking candidates with a strong background in molecular or structural biology, including functional genomics or metabolomics. Participation in teaching is required at undergraduate and graduate levels in the areas of medicinal plants, plant-derived products (active compounds, phytomedicines), drugs of microbiotic origin and pharmaceutical biotechnology.

Candidates should provide evidence of successful and creative teaching and research with a clear pharmaceutical focus and show explicit interest in interdisciplinary activities. In line with the strategic development of the department collaborations with biological, biomedical and chemical research laboratories in academia and with the pharmaceutical industry are strongly encouraged.

The department of Pharmaceutical Sciences (www.pharma.unibas.ch) offers state-of-the-art facilities and infrastructure. It is located at the Pharmazentrum, a new building in the vicinity of the other Life Science-Departements at the University of Basel. Close links exist to our partner institution at the Swiss Federal Institute of Technology in Zurich (ETHZ) via the joint Center of Pharmaceutical Sciences Basel-Zurich.

Applications including a curriculum vitae, a list of publications and an outline of future teaching and research plans should be submitted to the Dean of the Faculty of Science, Prof. Dr. Marcel Tanner, Pharmazentrum, Klingelbergstrasse 50, CH-4056 Basel, Switzerland, by January 31, 2003. The University of Basel seeks to increase the proportion of women among the faculty members and therefore specifically encourages female candidates to apply.



McGill

McGILL UNIVERSITY
UNIVERSITÉ MCGILL

Faculty of Dentistry/Faculté de médecine dentaire

Faculty Positions in Nanoscience

As part of McGill's major expansion into Nanoscience and Nanotechnology, the Faculty of Dentistry at McGill University is seeking candidates with research experience in the Nanosciences for tenure-track appointments. In particular, applicants working in the areas of biomaterials, biosensors and biomineralization are encouraged to apply. Successful applicants will be expected to interface with other Departments in the Faculties of Medicine, Science and Engineering.

McGill is developing major infrastructure facilities for nanoscience, including the Montreal Genomics and Proteomics Centre, the International Centre for Biosensors and Biochips, the Centre for Bone and Periodontal Research, and a Nanotools Complex. Successful applicants will become members of the McGill Institute for Advanced Materials (MIAM), which coordinates interactions and partnerships across Faculties and Departments, providing an interdisciplinary environment for learning and research.

Successful candidates will be strong teachers and outstanding researchers, with a proven record of achievement. They will develop independent research programs, attract external funding and contribute to the Nanoscience efforts across the University.

Candidates should submit (1) a full curriculum vitae, (2) a statement of research interests, goals and plans, (3) a short statement of teaching interests and philosophy, and (4) the names and addresses of at least three referees (and arrange for the letters of reference to be sent) to: **Dr. Marc D. McKee, Chair, Search Committee, Faculty of Dentistry, McGill University, 3640 University Street, Montreal, QC, Canada H3A 2B2.**

McGill University is committed to Equity in Employment. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority



University at Albany Tenure-Track Positions in Cancer Biology

The University at Albany is seeking at least two tenure track faculty members (Assistant Professor level) for its new Gen*NY*Sis Center of Excellence in Cancer Genomics. Successful applicants will initiate vigorous research programs using cutting-edge high-throughput technologies to study problems in oncogenomics or oncoproteomics. We offer total access to fully staffed, state-of-the-art core facilities in genomics, proteomics, bioinformatics, imaging, and cell culture and transgenesis. These facilities are currently located at the Center for Comparative Functional Genomics on the University's East Campus and will be co-located with the GenNYSis Center in a new 125,000 sq. ft. Cancer Genomics laboratory building, part of the University's ~\$150,000,000 expansion in the Life Sciences.

Academic appointment will be in the Department of Biomedical Sciences of the University's School of Public Health. Start up packages, salary, and benefits are highly competitive.

As the capital city of New York State, Albany provides outstanding cultural and recreational opportunities. It maintains a vibrant small-city life style while being within easy commute (3 hours or less) to major metropolitan centers including New York City, Boston and Montreal.

Review of applications will commence immediately and continue until positions are filled. Interested individuals should submit, preferably via both e-mail and regular post, a curriculum vitae and statement of research interests, and have at least three letters of reference sent, to: **Michele Anderson, Assistant to the Director, Center for Comparative Functional Genomics, University at Albany, A202, One University Place, Rensselaer, NY 12144-3456; E-mail: genomics@albany.edu.**

The University at Albany is an AA/EQ/IRCA/ADA Employer

**DEPUTY DIRECTOR,
OFFICE OF INTERNATIONAL
SCIENCE AND ENGINEERING**

**National Science Foundation,
Arlington, VA**

NSF seeks candidates for the position of Deputy Director, Office of International Science and Engineering (INT). Information about INT can be found on their website at www.nsf.gov/sbe/int.

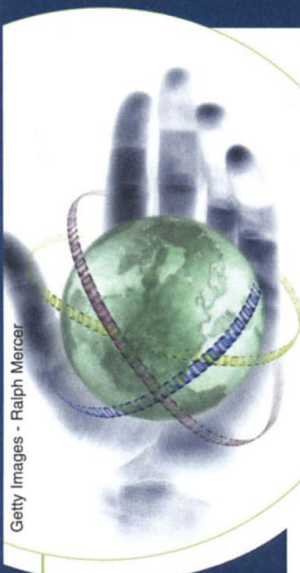
Appointment to this Senior Executive Service position will be on a career basis with a salary range of \$125,972 to \$138,200. Applicants must have a Ph.D. or equivalent professional experience in a field of science, engineering, or management, and demonstrated leadership skills.

Announcement S200300017, with qualification requirements and application procedures, can be found at www.nsf.gov/jobs or contact the **Executive Personnel Staff, 703-292-8755** (If hearing impaired call **TDD 703-292-8044**). Applications must be received by **January 3, 2003**.

NSF is an Equal Opportunity Employer.

**RESEARCHER
RECRUITMENT
2003**

The CNRS opens 357 research positions in all fields of science



Getty Images - Ralph Mercer

www.cnrs.fr

- > Life sciences
- > Information and communication science and technology
- > Sciences of the universe and the environment
- > Humanities and social sciences
- > Engineering sciences
- > Physical sciences and mathematics
- > Chemical sciences
- > Nuclear and particle physics and in other fields at the interface between these disciplines

The french National Center for Scientific Research (CNRS) is a major research organization in all areas of science. Its mission is to meet today's scientific challenges and to address emerging social and economic issues. It draws its strength from the creative and innovative potential of its research teams. The CNRS in figures : 25,500 employees including 11,600 researchers and 13,900 engineering, technical and administrative staff ; over 1,200 research laboratories.



CENTRE NATIONAL
DE LA RECHERCHE
SCIENTIFIQUE

Application deadline : January 17, 2003

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**REGINALD A. DALY
POSTDOCTORAL FELLOWSHIP
HARVARD UNIVERSITY
DEPARTMENT OF EARTH AND
PLANETARY SCIENCES**

The Department of Earth and Planetary Sciences at Harvard University invites applicants for the Reginald A. Daly Postdoctoral Research Fellowship.

The Department seeks outstanding candidates in the broad field of Earth and Planetary Sciences. These honorific postdoctoral fellowships are awarded for a one-year period, with an anticipated extension for a second year. The annual salary is \$40,000 with additional funds available for research support. Applicants should have a recent Ph.D. or should be 2003 degree candidates. Applications should include a curriculum vitae, names and contact information for three referees, and statements of the applicant's doctoral research and postdoctoral research plans. Send applications to:

**Daly Postdoctoral Search Committee
c/o Chenoweth Moffatt
Department of Earth and Planetary Sciences
Harvard University
20 Oxford Street
Cambridge, MA 02138**

Applications are due January 15, 2003. Completion of the Ph.D. is required by the time of the appointment. We particularly encourage applications from women and minorities. For more information about the Department, please visit our website at www.eps.harvard.edu.

*Harvard University is an Affirmative Action/
Equal Opportunity Employer.*

Research Chair in Aquatic Ecology

St. Francis Xavier University seeks applications and nominations for a Canada Research Chair in the area of aquatic ecology, a focus area for our coastal research community. This prestigious chair is intended for a researcher of international repute, at the Assistant Professor level (Tier II) or early career in a non-university environment, who has demonstrated research excellence in their speciality. The position will be filled either as tenured or tenure track appointment.

The Research Chair will interact with a group of ten active research faculty who study biology of aquatic organisms. The ideal candidate will interact with investigators in several research areas, enhancing our strength in aquatic research. The candidate should have demonstrated the ability to obtain research funding and the ability to liaise with university and government scientists. Also desirable is a strong commitment to undergraduate and graduate research and a willingness to contribute to limited undergraduate teaching. The university is near lakes, streams, estuaries as well as ocean habitats. Research facilities are up to date and located in a newly renovated building. Honours B.Sc. and M.Sc. students in biology and advanced undergraduates in a unique new program, "Interdisciplinary Studies in Aquatic Resources", are involved in aquatic research projects. Ecologically oriented research in the department deals with invasive algal and crustacean species, carbon fixation in cyanobacteria, marine algal symbioses, management and reproductive behavior of waterfowl, stream community ecology and vertebrate and invertebrate physiological ecology. There is also expertise in cell and molecular biology, microbiology, physiology, biomechanics, electron microscopy, developmental biology and mathematical modelling. St. Francis Xavier University is currently the highest rated undergraduate university in Canada. For more information, see www.stfx.ca/people/biology/.

Appointment is conditional upon the successful applicant being approved as a Tier II Canada Research Chair (CRC). The CRC program is described in detail at <http://www.chairs.gc.ca>.

The competition will remain open until a nominee is selected. Please forward a CV, representative publications, a description of proposed research interests, and names and addresses of three referees to:

**E. J. McAlduff, Dean of Science
St. Francis Xavier University
P.O. Box 5000
Antigonish, N.S. B2G 2W5
Email: emcalduf@stfx.ca
Phone: 902-867-3903**

POSITIONS OPEN

The Department of Cell and Developmental Biology and Anatomy of the School of Medicine, University of South Carolina (website: <http://www.med.sc.edu:89>), is seeking individuals for tenure-track **ASSISTANT/ASSOCIATE FACULTY** positions to complement existing departmental strengths. While the research areas are open, individuals using developmental approaches to cardiovascular biology, cancer, and/or bioengineering are encouraged to apply. Candidates for Assistant Professor are expected to establish an externally funded research program. Candidates at the Associate Professor level would be expected to bring existing funding. Participation in teaching of medical and graduate students is expected. Excellent facilities, salary, and start-up packages will be made available to the successful candidates. Send curriculum vitae, research statement, and the names of three references to: **Ms. Janice Burns, Department of Cell and Developmental Biology and Anatomy, School of Medicine, University of South Carolina, Columbia, SC 29208.** E-mail: burns@med.sc.edu. Review of applications will begin upon receipt with a submission deadline of February 15, 2003. *The University of South Carolina is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.*

FACULTY POSITIONS Computational and Theoretical Biology Albert Einstein College of Medicine

The Albert Einstein College of Medicine of Yeshiva University solicits applications for tenure-track faculty appointments in computational and theoretical biology, interpreted broadly. With the establishment of The Seaver Foundation Program in Bioinformatics at the College of Medicine, we seek to appoint new faculty who will establish vigorous research programs at the cutting edge of theoretical chemistry and physics as it applies to biology. We expect to make a number of appointments at the **ASSISTANT PROFESSOR** rank, but more senior appointments will be considered commensurate with experience. For junior appointments, please arrange for curriculum vitae; a statement of research interests; and three letters of reference (for senior appointments, curriculum vitae and description of research) to be sent to: **Professor Steven Schwartz, Director, Seaver Foundation Program in Bioinformatics, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461.** *Equal Opportunity Employer.*

NUTRITION AND CANCER Purdue University

ASSISTANT/ASSOCIATE PROFESSOR in Department of Foods and Nutrition. Tenure-track position in nutrition and cancer with an emphasis on prevention. Applicants must have a Ph.D., postdoctoral experience, and show potential to obtain external funding. Opportunities exist for internal funding and research collaborations within the Purdue Botanicals Center and the Purdue Cancer Center. The successful candidate will participate in graduate education as a member of the Interdepartmental Nutrition Program (INP). Send curriculum vitae, three letters of reference, a brief summary of current and future research, funding record, and teaching interests to: **J.C. Fleet, Ph.D., Department of Foods and Nutrition, 1264 Stone Hall, Purdue University, West Lafayette, IN 47907.** The review of applications will begin in late January and will continue until the position is filled. *Purdue University is an Equal Opportunity/Access and Affirmative Action Employer.*

MARINE VERTEBRATE ZOOLOGIST MICROBIOLOGIST, GENETICIST

The Department of Biology at the University of West Florida invites applications for three tenure-track positions at the level of **ASSISTANT PROFESSOR** in each of the following areas: marine vertebrate zoology, microbiology, and genetics. For complete information on these positions, please visit the following website: <http://www.uwf.edu/biology/>.

POSITIONS OPEN



ICHTHYOLOGIST

The Department of Zoology, University of Hawaii, invites Marine Ichthyologists fishes to apply for a tenure-track **ASSISTANT PROFESSOR** position. Research interests and experience should include tropical marine fishes and complement existing department strengths; desirable areas include community or population ecology and evolutionary biology and systematics. Teaching responsibilities will include an introductory undergraduate ichthyology course and an advanced course in the individual's specialty. Applicants must have a Ph.D., evidence of significant research accomplishments, and a commitment to teaching. To apply, send letter of application; curriculum vitae; statement of research accomplishments and goals; statement of teaching philosophy; and the names, addresses, and e-mail contacts of three references to: **Ichthyology Search Committee, Department of Zoology, 2538 McCarthy Mall, University of Hawaii, Honolulu, HI 96822.** Direct inquiries to e-mail: zoology@hawaii.edu. To receive full consideration, applications must be received by February 1, 2003; however, review of applications will continue until position is filled. *Equal Employment Opportunity/Affirmative Action Employer.*

PROJECT MANAGER. The Botany Department of the California Academy of Sciences is seeking a Project Manager for the botanical (vascular plant) component of the Biodiversity of the Gaoligongshan project of Yunnan Province, China, beginning 1 April 2003 and ending 31 March 2007. The successful candidate will coordinate eight botanical expeditions and lead the development of a Web-accessible flora of the Gaoligongshan region that includes interactive species keys and a georeferenced specimen database. Assigned responsibilities are advanced knowledge in plant systematics and include plant identification. It is expected that the Project Manager will spend (approximately) three months outside the United States each year for field and herbarium work. Applicants must have a Master's degree or Ph.D. in botany. Additionally, fluency in Chinese/English and knowledge of the botany of East Asia is desired. To be considered for this position, submit a cover letter, curriculum vitae, and contact information of three professional references. Visit our website: <http://calacademy.snaphire.com/> for the full job posting and to apply online (preferred). To apply by mail, send to: **California Academy of Sciences, Attention: Human Resources Department, Number PMB1102, Golden Gate Park, San Francisco, CA 94118.** The application deadline is January 31, 2003. *The California Academy of Sciences is an Equal Opportunity Employer committed to diversity.*

We seek a dynamic leader to head our large, diverse, and growing department. The candidate should have the intellectual breadth and skills to facilitate activities in a department with the largest undergraduate and graduate programs in the university and that integrates disciplines from basic and applied ecology to systems and cellular physiology in a congenial but ambitious atmosphere (see website: <http://uwyo.edu/Zoology/>). This person must have an earned Doctorate and be eligible for **FULL PROFESSOR** rank at University of Wyoming and should have strong experience in teaching at both undergraduate and graduate levels, strong administrative capability, and a history of a productive research program with external funding. Applications should include a statement of administrative philosophy, research interests, and teaching experience; curriculum vitae; and full contact information for three references. Send to: **Head Search Committee, Department of Zoology and Physiology, P.O. Box 3166, University of Wyoming, Laramie, WY 82071-3166.** Review of completed applications will begin February 1, 2003. For questions or further information, contact e-mail: trout@uwyo.edu. *The University of Wyoming is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

BEHAVIORAL NEUROSCIENCE: The Department of Psychology at Yale University intends to appoint new **FACULTY MEMBERS** in behavioral neuroscience. We are especially interested in applications from candidates with research interests that complement the Department's current strengths in learning and memory. Appointments may be made at both the tenured and nontenured levels. It is expected that the candidates will have or show promise of an exceptional program of research. In addition, the successful candidates should be able to demonstrate excellence in teaching at both the undergraduate and graduate levels. All applicants should send a letter of application, curriculum vitae, and one copy of selected publications. Applicants to the nontenured positions should arrange for three letters of recommendation to be sent. Applicants to the tenured positions should send the names and addresses of at least three references. Materials for the nontenured position should be sent to: **Chair, Junior Behavioral Neuroscience Search Committee, Department of Psychology, Yale University, 2 Hillhouse Avenue, P.O. Box 208205, New Haven, CT 06520-8205.** Materials for the tenured position should be sent to: **Chair, Senior Behavioral Neuroscience Search Committee** at the same address. Application deadline extended to January 31, 2003.

Yale University is an Equal Opportunity/Affirmative Action Employer and applications from women and minority group members are especially encouraged.

Developmental biology **ASSISTANT RESEARCH PROFESSOR**, three years, starting July 1, 2003. Teach one undergraduate course each year; develop a research program using cellular, molecular, or genomic approaches to investigate basic developmental processes; and provide research opportunities for undergraduates. Ph.D. and evidence of potential to develop a competitive biomedical research program required. Postdoctoral individual preferred. Position partially funded through an NCR, NIH Biomedical Research Infrastructure Network (BRIN) grant. Review of applications begins December 2002. Please send cover letter, curriculum vitae, statements of research interest and teaching philosophy, and names and addresses of three references to: **Dr. Patsy Dickinson, Developmental Search Committee, Department of Biology, Bowdoin College, Brunswick, ME 04011** and to: **Dr. Patricia Hand, BRIN Principal Investigator and Administrative Director, MDI Biological Laboratory, P.O. Box 35, Salisbury Cove, ME 04672.**

For further information about the position, the college, the Department, and the Maine BRIN, please see our websites: <http://www.bowdoin.edu> and <http://www.brinme.net>. *Bowdoin College is committed to Equal Opportunity through Affirmative Action. Women and minorities are encouraged to apply.*

ASSISTANT PROFESSOR (BIOCHEMISTRY) Center for Medical Education Ball State University Muncie, Indiana

The Muncie Center for Medical Education, a regional center of the Indiana University School of Medicine located on the Ball State University campus, invites applications for a tenure-track, fiscal-year position at the level of Assistant Professor available July 1, 2003. Responsibilities include establishing an independent research program and teaching medical biochemistry to first-year medical students. Minimum qualification: Ph.D. in biochemistry or related discipline. Preferred qualification: postdoctoral experience. Start-up funds are available. Send letter of application listing current research activities, curriculum vitae, and the names and telephone numbers of three references to: **Dr. Douglas A. Triplett, Director, Indiana University School of Medicine, Muncie Center for Medical Education, Ball State University, Muncie, IN 47306.** Original transcripts will be required before interview. Applications must be postmarked by January 15, 2003. Website: <http://www.bsu.edu/mcme>. *Ball State University is an Equal Opportunity/Affirmative Action Employer and is strongly and actively committed to diversity within its community.*



ENVIRONMENTAL AND MOLECULAR TOXICOLOGY FACULTY POSITION

The University of Alaska Fairbanks invites applications for a tenure-track faculty position in Environmental and Molecular Toxicology at the full or associate professor level.

The University of Alaska is establishing a program in molecular toxicology as part of its BRIN (Biomedical Research Infrastructure Network) program supported through a grant from the National Center for Research Resources (of the National Institutes of Health). Five faculty positions are funded, two at the Anchorage campus and three in Fairbanks. A sixth faculty member will be the BRIN faculty member of a new Bioinformatics Program that includes four total faculty and associations with the Arctic Region Supercomputing Center and the Institute for Systems Biology.

In the current search, we seek a researcher who will provide leadership and mentoring for junior hires as well as an interest in coordinating a strong biomedical program in toxicology. We seek applicants in all areas of environmental and molecular toxicology but are particularly interested in individuals who pursue molecular and biochemical approaches and who may have an interest in the toxicology of subsistence species. We offer a competitive start-up package for all BRIN faculty hires, newly renovated space and/or space in new facilities. Applicants for this position must have a funded R01 or equivalent research grant.

This position is joint between the Institute of Arctic Biology (IAB) and the Department of Biology and Wildlife (B&W). Tenure resides within the department, which is part of the College of Science, Engineering and Mathematics. Tenure-track faculty are expected to teach and advise graduate and undergraduate students. IAB emphasizes research on life sciences at high latitudes including ecosystems, wildlife biology, physiological and biomedical sciences, and cellular and molecular biology. IAB and B&W currently have 30 faculty and 20 resident Research Associates (please see <http://mercury.bio.uaf.edu/index.html>).

To apply, send a letter of application, curriculum vitae, statements of research plans, and teaching philosophy, and arrange for at least three supporting letters to be submitted to **UAF Human Resources c/o Gerry Plumley, P.O. Box 757860, Fairbanks, AK 99775-7860. Fax: 907-474-1528.** Review of applications will continue until the position is filled. A signed UAF applicant form must be submitted before any candidate can be considered. The form can be downloaded from http://www.alaska.edu/hr/application/applicant_form.pdf. Use **PCN #847910**. Inquiries could be emailed to ffg@uaf.edu.

THE UNIVERSITY OF ALASKA IS AN EEO/AA EMPLOYER AND EDUCATIONAL INSTITUTION. Persons hired by UA must comply with the provisions of the Immigration Act of 1990 and are expected to possess a valid social security number. Your application for employment with the University of Alaska is subject to public disclosure under the Alaska Public Records Act. Women and minorities are encouraged to apply. Applicants needing reasonable accommodation to participate in the application and screening process should contact the Assistant Director at 907-474-6259.



McGill University Department of Psychology Assistant or Junior Associate Professor Position in Behavioral Neuroscience

The Department of Psychology of McGill University seeks applicants for a tenure-track position at the Assistant or junior Associate Professor level in Behavioral Neuroscience. Our current strengths within this broad domain are in the areas of vision, learning and memory, the psychopharmacology of reward and reinforcement, and the biological basis of pain. Applications in any area of Behavioral Neuroscience are welcome, but candidates with an interest in electrophysiological approaches are particularly encouraged to apply. The Department has excellent facilities for interdisciplinary research through its links with related academic departments and research units in the McGill University Health Centre including the Montreal Neurological Institute. Review of applications will begin January 15, 2003. Applicants should present evidence of the ability to establish a record of significant, externally funded research productivity. All applicants are expected to have an aptitude for undergraduate and graduate teaching.

Applicants should arrange for three confidential letters of recommendation to be sent to the address below. A curriculum vitae, description of current and proposed areas of research, selected reprints of published or in press research articles, a description of areas of teaching competency, interest, and approaches, and other relevant material, should also be sent to:

**Chair, Behavioral Neuroscience Search Committee
Department of Psychology
McGill University
1205 Dr. Penfield Avenue
Montreal, Quebec, Canada H3A 1B1**

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. McGill University is committed to equity in employment.



Harvard - MIT

Biomedical Enterprise Program

**An Extraordinary Learning Environment
for Tomorrow's Biomedical Entrepreneurs**

A remarkable collaboration - A new generation of biomedical business leaders is taking shape. They are students of the Biomedical Enterprise Program (BEP) in Cambridge, Massachusetts. BEP is an extraordinary venture between two world-renowned institutions: MIT's Sloan School of Management and the Harvard-MIT Division of Health Sciences and Technology (HST). Following two years of full-time intensive coursework, BEP students earn two Master of Science degrees—one each from HST and Sloan. More important, they enter the business world in command of the entrepreneurial skills needed to develop and commercialize products for the health care industry.

A unique mandate - No other graduate program builds so deep an understanding of basic biomedical science and patient care into its business curriculum. None so thoroughly examines how laboratory research is translated into the groundbreaking innovations and commercial enterprises that move the health care industry forward—from bench concept to product development to clinical adoption. And none has access to a deeper well of resources and faculty talent: MIT, Harvard, Sloan and Harvard Medical School.

An international focus - BEP maintains close ties to its sister program at the University of Cambridge in England. They share faculty, conduct joint teaching sessions by videoconference and exchange students for short periods of study. Shedding an international perspective on the challenges of biomedical entrepreneurship in a changing world, it's a vital component of the BEP curriculum.

The ideal applicant - BEP is accepting applications for the 2003 academic year. The successful candidate has a bachelor's degree in engineering or science and at least four years of relevant work experience. He or she has shown enthusiasm and aptitude for entrepreneurship in a business, preferably biomedical, of any size.

Learn more at <http://bep.mit.edu> or by contacting BEP, 617-452-3171, bep@mit.edu.

POSITIONS OPEN

TERRESTRIAL INVERTEBRATE ECOLOGY. Truman State University invites applications for a tenure-track **ASSISTANT PROFESSOR** starting August 2003. Candidates should be strongly committed to teaching and to developing an active research program involving undergraduates and M.S. students. The successful candidate will participate in junior-level ecology, introductory biology, and an upper-level course in the area of expertise. Candidates must possess a Ph.D. by August 2003. Complete applications include curriculum vitae, statements of teaching philosophy and research goals (including an understanding of and support for the liberal arts and sciences), copies of all graduate and undergraduate transcripts, and three recent letters of reference. All application materials should be sent to: **Dr. Janna McLean, Search Chair, Division of Science, Truman State University, Kirksville, MO 63501-4221.** Review of complete applications will begin three weeks after publication of this advertisement. For more information about this faculty position, the Biology Program, and the University, visit website: <http://academics.truman.edu/jobs/>. Truman is an Equal Employment Opportunity/Affirmative Action/Americans With Disabilities Act Employer.

ASSISTANT/ASSOCIATE/ FULL PROFESSOR

(Pharmacologist/Tenure Track)

Department of Comparative Biomedical Sciences

Comparative Biomedical Sciences at Louisiana State University is seeking a Pharmacologist to conduct research and teach in the graduate and professional veterinary program. Required qualifications: Ph.D. or equivalent degree, D.V.M. or equivalent degree, or M.D. or equivalent degree; postdoctoral experience; research background in pharmacology; ability to teach in team-taught graduate and professional courses; have or will have extramural funding. Competitive salary, start-up package, and new laboratory space will be offered. Application deadline is January 20, 2003, or until candidate is selected. Submit letter of application and résumé (including e-mail address) to: **Steven A. Barker, Ph.D., Comparative Biomedical Sciences, School of Veterinary Medicine, Louisiana State University, Reference Number 009249, Baton Rouge, LA 70803.** Telephone: 225-578-3602; e-mail: sbarker@mail.vetmed.lsu.edu; websites: <http://www.lsu.edu> or <http://www.vetmed.lsu.edu/van/>. LSU is an Equal Opportunity/Equal Access Employer.

The Department of Biochemistry, Brody School of Medicine at East Carolina University, is seeking an outstanding Scientist for a tenure-track position as an **ASSISTANT PROFESSOR** (12-month appointment). We are interested in candidates with the ability to develop a significant and independent research program and with a commitment to excellence in medical and graduate student education. We are especially interested in candidates having expertise in eukaryotic signal transduction as it might apply to specific disease states, apoptosis, or cell cycle control. However, candidates with expertise in other areas will be seriously considered. Review of applications will begin February 1, 2003, with position available for July 1, 2003. Competitive start-up funds and salaries will be offered for this position. Candidates should forward curriculum vitae, a brief statement of research plans, and three letters of recommendation to: **Ms. Ethel Canady, Administrative Assistant, Department of Biochemistry and Molecular Biology, The Brody School of Medicine, East Carolina University, Greenville, NC 27858.**

STAFF/RESEARCH ASSOCIATE (two positions). Work on fluid and electrolyte transports across ocular epithelia. Techniques include cell culture, microdissection, radio labels, measuring electrical properties, fluid movement, confocal microscopy, mRNA preparation, microinjection. Ph.D./M.D. research experience preferred. Curriculum vitae to: **Dr. Jorge Fischbarg, Department of Ophthalmology/18, Columbia University, 630 West 168th Street, New York, NY 10032.** We are an Affirmative Action/Equal Employment Opportunity Employer.

POSITIONS OPEN



FACULTY POSITION

The California Institute of Technology

The California Institute of Technology offers a position at the **ASSISTANT PROFESSOR** level in the Division of Biology working in magnetic resonance imaging applied to neuroscience. The position is tenure track with an initial appointment of four years. The successful candidate is expected to maintain an active, independent research program in MRI neuroscience research and to teach. Exceptionally well-qualified applicants may also be considered at the Associate or Full Professor level. The newly established MRI Center at Caltech will serve the new faculty member and an interdisciplinary group of laboratories with a powerful set of new instruments including magnets for imaging humans, nonhuman primates, and small animals. The candidate must have a Ph.D. degree and should have extensive experience in magnetic resonance research, particularly as applied to brain imaging. Investigations combining fMRI with electrophysiology and/or other imaging modalities in animals for comparison to human fMRI results are of particular interest. Applications should include curriculum vitae with a list of publications, a statement of research plans, and three letters of recommendation. This material should be sent to: **Magnetic Resonance Imaging Faculty Search Committee, California Institute of Technology, MC 216-76, 1200 East California Boulevard, Pasadena, CA 91125.** E-mail: kelsie@vis.caltech.edu. Caltech is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

FACULTY POSITION

Molecular Oncology of GI Cancer

The Department of Surgery, Division of Surgical Oncology, at the University of Cincinnati College of Medicine invites applications for a position at the **ASSISTANT or ASSOCIATE PROFESSOR** level. We seek an individual to enhance a vigorous research group from the Departments of Surgery, Molecular Genetics, and Pathology that focuses on the molecular genetics and biochemistry of GI cancer. The candidate must have an M.D., Ph.D., or equivalent degree. The candidate's research program should be in areas such as signal transduction, DNA repair, programmed cell death, angiogenesis, or metastasis. The ability to develop a dynamic, externally funded research program and to contribute to the teaching of postdoctoral and graduate trainees is essential. Academic rank and salary will be commensurate with experience and individual qualifications. Applicants should submit curriculum vitae, description of research interest, and three references to: **Andrew M. Lowy, M.D., University of Cincinnati, Division of Surgical Oncology, 234 Goodman Street, Cincinnati, OH 45219.** The University of Cincinnati is an Affirmative Action/Equal Opportunity Employer. Women and minorities are particularly encouraged to apply.

The Cardiology Unit, Department of Medicine, The University of Vermont College of Medicine (UVM), seeks an M.D. or Ph.D. with laboratory research interests in cardiomyopathy and/or heart failure to be appointed at the **ASSISTANT or ASSOCIATE PROFESSOR** level. Applicants will be expected to establish an independent research program and collaborate with a highly interactive group of Investigators working in the field at the University of Vermont. Applications should be sent to: **Dr. Martin M. LeWinter, Professor of Medicine, Cardiology Unit, University of Vermont College of Medicine/Fletcher Allen Health Care, 111 Colchester Avenue, McClure 1, Burlington, VT 05401.** Review of applications will begin immediately. However, we strongly encourage the submission of material by March 1, 2003. UVM is an Affirmative Action/Equal Opportunity Employer. Applications from women and people from diverse racial, ethnic, and cultural backgrounds are encouraged.

POSITIONS OPEN

FACULTY POSITIONS BIOLOGISTS

The University of Michigan-Dearborn invites applications for **ASSISTANT PROFESSORS** (tenure track) in plant biology and microbiology to begin September 2003. Ph.D. is required; postdoctoral experience preferred. The University of Michigan-Dearborn is an autonomous campus of 8,500 students within the University of Michigan system. The Department of Natural Sciences, with 12 Biologists, offers B.S. degrees in biology, microbiology, and environmental science and an M.S. degree in environmental science. A strong interest in and commitment to excellence in teaching is expected. The Microbiologist will teach microbiology and microbial genetics including laboratories. The Plant Biologist will teach plant biology and physiology including laboratories. Both will participate in the laboratory biology courses and have an opportunity to develop courses within their expertise. Development of a research program leading to publications is required. The specific areas of microbiology and plant biology research are open but preference will be given to candidates who can contribute to the core areas of cellular-molecular studies, environmental science and studies, and/or science education. Modest start-up funds are available.

Submit curriculum vitae, statements of teaching philosophy and research plans, and arrange to have three letters of recommendation sent to: **Search Committee Secretary, Department of Natural Sciences, University of Michigan-Dearborn, 4901 Evergreen Road, Dearborn, MI 48128-1491.** See website: <http://www.umd.umich.edu/casl/natsci/>. Review of applications will begin January 13, 2003. The University of Michigan-Dearborn is an Equal Opportunity/Affirmative Action Employer. The University of Michigan-Dearborn is dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment and strongly encourages applications from minorities and women.

The Department of Biology, University of Indianapolis, invites applications for a tenure-track position available at the rank of **ASSISTANT PROFESSOR**. We seek a Biologist with a strong background in genetics. A second tenure-track or one-year position in the Department may become available pending budgetary approval. The successful candidates will have a strong commitment to teaching at the undergraduate level and will complement the current strengths in the Department. Faculty are expected to participate in the two-semester general biology sequence and teach a variety of departmental offerings, to recruit and supervise student research, and to advise undergraduates. A Ph.D., teaching experience, and postdoctoral experience are required. Further details are available at website: <http://biology.uindy.edu>. The University of Indianapolis, with an enrollment of 4,000 students, is an independent, United Methodist-related institution with a strong commitment to the liberal arts. Applicants should send a cover letter, curriculum vitae, transcripts, and names of three references to: **Search Committee, Department of Biology, University of Indianapolis, 1400 East Hanna Avenue, Indianapolis, IN 46227.** Review of applications will begin February 15, 2003. Affirmative Action/Equal Opportunity Employer.

DIRECTOR

Asia-Pacific and California Division San Francisco, California

The Nature Conservancy is currently accepting applications for the position of Director, Asia-Pacific and California Division. Based in the San Francisco, California, office, position will design and implement strategies for conservation of biological diversity in the Asia-Pacific region and develop and direct funding strategies and investment of secured funding. Requires B.S. (or equivalent) in finance and experience as Executive or Investment Banker in Asia-Pacific environment or experience as advisor/trustee to conservation-related foundations. Qualified applicants can send their résumés to: **The Nature Conservancy, Department CT, 4245 North Fairfax Drive, Arlington, VA 22203.** Equal Opportunity Employer.

**Department of Health and Human Services
Research Opportunities at NIDDK, NIH
Nuclear Receptor Biology – Tenured and Tenure
Track Positions**

The Clinical Endocrinology Branch of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH) invites applications for tenured and tenure track positions for scientists interested in research involving nuclear receptors and cofactors that regulate gene transcription. Specific areas of research interests include: receptors of the thyroid and steroid hormone families; co-activators and co-receptors; molecular mechanisms of receptor-mediated regulation of gene expression, including developmental processes. Priority will be given to applicants at the Assistant or Associate Professor levels at traditional universities or those finishing their post-doctoral positions. The level of appointment will be commensurate with previous experience. The applicant must have a proven record of accomplishments and will be expected to propose and pursue an independent research program in one of these fields. The position offers unparalleled opportunities for interdisciplinary collaboration, both at the basic research and clinical levels, within NIDDK and throughout NIH.

The Clinical Endocrinology Branch of NIDDK is located on the main intramural campus of the NIH in Bethesda, Maryland, a suburb of Washington, D.C.

Interested applicants should send a Curriculum Vitae and list of publications, copies of three major publications, a summary of research accomplishments, a plan for future research and three letters of recommendation to **Dr. Gary Felsenfeld, Chair, Search Committee, Laboratory of Molecular Biology, NIDDK, Building 5, Room 212, NIH, Bethesda, MD 20892-0540.**

Closing Date: March 15, 2003

DHHS and NIH are Equal Opportunity Employers



**McGill University
Department of Psychology
Assistant Professor Position in Human Cognition**

The Department of Psychology of McGill University seeks applicants for a tenure-track position Assistant Professor in Human Cognition with an anticipated starting date of September 1, 2003. We are primarily interested in applicants studying issues in memory, concepts, reasoning, problem solving, decision making, learning, or development using human experimentation, modelling, and/or cognitive-neuroscience techniques. The Department has excellent facilities for interdisciplinary research through its links with related academic departments at McGill and other universities in Montreal. Review of applications will begin January 15, 2003. Applicants should present evidence of the ability to establish a record of significant, externally funded research productivity and are expected to have an aptitude for both undergraduate and graduate teaching.

Applicants should arrange for three confidential letters of recommendation to be sent to the address below. A curriculum vitae, description of current and proposed areas of research, selected reprints of published or in-press research articles, a description of areas of teaching competency, interest, and approaches, and other relevant material, should also be sent to:

**Chair Human Cognition Search Committee
Department of Psychology
McGill University
1205 Dr. Penfield Avenue
Montreal, Quebec, Canada H3A 1B1**

*In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.
McGill University is committed to equity in employment.*

**THE UNIVERSITY
of EDINBURGH**



**SCIENCE and ENGINEERING
CENTRE for SCIENCE at EXTREME CONDITIONS**

New Materials and Biomaterials

Four posts, funded by the Leverhulme Trust to establish a wholly new research effort in fundamental aspects of materials synthesis under extreme conditions, are available within the newly created Centre for Science at Extreme Conditions (CSEC). This offers an outstanding opportunity to exploit the state-of-the-art CSEC facilities, in an advanced research infrastructure, and join a multi-disciplinary team that will launch a radical new approach to materials for the 20-year future.

You will work within CSEC and will hold a post in one of the five participating academic Schools – Biological Sciences, Chemistry, Engineering and Electronics, Geosciences, and Physics.
The posts available are:

**CHAIR OF MATERIALS SCIENCE
AT EXTREME CONDITIONS**

You will provide internationally competitive leadership for the whole enterprise.

Salary will be in the professorial range. Please quote REF: 311987SI.

READERSHIP

In the broad area of materials biosynthesis, ideally focused on microbial biotechnology

Salary scale: £35,251 – £39,958 p.a. Please quote REF: 311988SI.

LECTURESHP

In materials synthesis under extreme conditions, probably focusing on chemical aspects

Salary scale: £26,270 – £33,679 p.a. Please quote REF: 311989SI.

LECTURESHP

In the area of theoretical or computational materials design and synthesis, probably with particular reference to electronic and magnetic materials

Salary scale: £26,270 – £33,679 p.a. Please quote REF: 311990SI.

There is also funding for postdoctoral appointments to be made later. These positions will appeal to those suitably qualified with an established research record in one or more of the following areas:
Extreme conditions synthesis of novel materials

Innovative chemical or (bio-) materials synthesis with high potential for exploitation of extreme conditions

Theoretical or computational approaches to design, synthesis and recovery of materials formed under extreme conditions

The term 'extreme' may apply to pressure, temperature, electromagnetic fields, strain or shock waves, but pressure will be the principal 'extreme condition' of the CSEC programme. It is likely that the Chair and one Lectureship will be appointed to the School of Chemistry, the Readership to the School of Biological Sciences, and the other Lectureship to the School of Physics. However, formation of the strongest team may well result in different affiliations, and an application will be welcome from anyone with expertise and interests matching the goals of this programme.

Closing date for Chair: 24 January 2003.

Closing date for remaining posts: 21 February 2003.

Apply online, view further particulars or browse more jobs at our website. Alternatively, telephone the recruitment line on 0131 650 2511.

Committed to Equality of Opportunity

www.jobs.ed.ac.uk

POSITIONS OPEN

CHAIR OF THE SCHOOL OF BIOLOGY Georgia Institute of Technology

Georgia Institute of Technology invites nominations and applications for Chair of the School of Biology. The new Chair must have an outstanding record of research in biological sciences or a related discipline and the ability to work well with both faculty and other administrators to succeed in the challenging task of building an interdisciplinary program of research and education. The School of Biology at Georgia Tech is a dynamic and growing department with diverse research activities. The School interacts broadly with other disciplines within the College of Sciences and the Institute. The School presently has 23 tenure-track faculty; offers Ph.D. and Master's degree programs in bioinformatics, ecology, microbiology, and molecular and cell biology; and has a rapidly expanding undergraduate program. For further information about faculty research interests, see our website: <http://www.biology.gatech.edu/>.

Georgia Tech has a major campuswide bioinitiative. As part of this, more than 30 faculty in a variety of different areas have been recruited in the past five years; a four-building complex is under construction; and there will be ongoing expansion. As part of this, a significant increase in the size of the Biology faculty is anticipated. Biology is central to this broadly based initiative and its growth is considered key to achieving success. We seek a Chair with the vision and leadership necessary to continue the dramatic growth of the Institute's bioinitiative. Georgia Tech is considered one of the top 10 public universities in the United States and is located on an attractive campus in the heart of Atlanta, a vibrant and culturally diverse city leading economic development in the Southeast. The city is the home to numerous universities and research centers including Emory University, the Yerkes Primate Center, the Centers for Disease Control, and the national headquarters of the American Cancer Society. The State of Georgia is ninth in the country in the number of biotechnology companies.

Nominations and applications should be sent to: **Dr. Robert Nerem, Chairman, Biology Chair Search Committee, Dean's Office, College of Sciences, Georgia Institute of Technology, Atlanta, GA 30332-0365 U.S.A.** Applications will be accepted until the position is filled and should include a letter of interest and complete curriculum vitae. *Georgia Institute of Technology is a unit of the University System of Georgia and is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT/ASSOCIATE PROFESSOR MOUSE GENETICS/EPIGENETICS University of Florida

The Department of Molecular Genetics and Microbiology in the University of Florida College of Medicine invites applications for a tenure-track position at the Assistant or Associate Professor level. We seek an outstanding Investigator in the area of mouse genetics/epigenetics and development with particular emphasis on mouse models for human disease. The Department has active research programs in bacterial, yeast, viral, mouse, and human genetics and is also home to the Powell Gene Therapy Center. In addition to a departmental appointment, the successful candidate will join the University of Florida Genetics Institute, which will be located in a new 350,000-square-foot building shared by the Genetics Institute and the Shands Cancer Center. This institute will house modern facilities for bioinformatics, genomics, proteomics, and a full service transgenic and knockout mouse facility. Candidates with a Ph.D. and/or M.D. and relevant postdoctoral experience should send their curriculum vitae, names of three references, and a brief description of research interests to: **Dr. Maurice S. Swanson, Department of Molecular Genetics and Microbiology, University of Florida, College of Medicine, Gainesville, FL 32610-0266.** E-mail: mswanson@ufl.edu. For further information about the Department, visit our website: <http://www.mgm.ufl.edu>. *Equal Employment Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

TENURE-TRACK FACULTY (TWO) Departments of Biology and Chemistry University of Arkansas at Little Rock

TWO FACULTY POSITIONS. The Departments of Biology and Chemistry at the University of Arkansas at Little Rock (UALR) invite applications for two tenure-track faculty positions at the **ASSISTANT PROFESSOR** level to start August 15, 2003. A Ph.D. is required and postdoctoral experience is preferred. The chemistry position will be in biochemistry with background in organic chemistry or computational chemistry also desired. Teaching responsibilities will be in biochemistry and the core chemistry curriculum. The biology position will be in the area of molecular genetics with teaching responsibilities in introductory biology and genetics. Both faculty members will be expected to develop courses in their areas of expertise; must have a strong commitment to undergraduate and graduate education; and are expected to develop a vigorous, externally funded research program. UALR is a Carnegie Research Intensive university. The Departments of Biology and Chemistry both offer the B.S. and M.S. degrees. Both departments are located in the College of Science and Mathematics and together have 25 full-time faculty. Ph.D. tracks in applied biosciences and applied chemistry are offered in cooperation with the Department of Applied Science. It is expected that the two faculty will participate in research collaborations with each other or with other members of the Departments and will participate fully in the Ph.D. program in applied science. Research collaboration with the University of Arkansas for Medical Sciences will be encouraged. Research laboratories are located in a three-year-old Laboratory Science Building and both departments are in close proximity to one another. Laboratory facilities are modern and spacious and a wide range of instrumentation is available. Additional instrumentation including gene sequencers is available in the Applied Science laboratories.

The University of Arkansas at Little Rock (website: <http://www.ualr.edu>) is a metropolitan, state-supported university with a current enrollment of over 11,000 students. Little Rock, the capital of Arkansas, has a metropolitan population of about 500,000 and is a progressive city with excellent schools, medical facilities, parks, and shopping areas. Since UALR is located in the geographical center of the state, natural features of Arkansas are within easy driving distances. Review of applications will begin 20 January 2003 and continue until the positions are filled. For both positions, candidates should submit a letter of application, curriculum vitae, transcripts, three letters of recommendation, and separate statements of teaching philosophy and research plans. Chemistry applicants should send their packet to: **Dr. Robert Steinmeier, Chair, Department of Chemistry, University of Arkansas at Little Rock, 2801 South University Avenue, Little Rock, AR 72204-1099.** Biology applicants should send their packet to: **Dr. Gary A. Heidt, Chair, Biology Department, same university address.** *The University of Arkansas at Little Rock is an Affirmative Action/Equal Opportunity Employer and actively seeks the candidacy of qualified minorities, women, and persons with disabilities. Under Arkansas law, all applications are subject to disclosure. Persons hired must have proof of legal authority to work in the United States.*

FORENSIC BIOCHEMIST

Department of Chemistry, California State University, Fresno, invites applicants for a tenure-track position (**ASSISTANT/ASSOCIATE PROFESSOR**) in forensic biochemistry to begin August 2003. The candidate must have a Ph.D. in biochemistry, molecular biology, or a closely related area and experience or a demonstrated interest in forensic science. Application details at website: <http://www.csufresno.edu/Chemistry/search>. Address inquiries to: **Dr. Howard K. Ono, Chair, Biochemistry Search, Department of Chemistry, California State University, Fresno, M/S-SB 70, Fresno, CA 93740-8034.** For full consideration, applications should be received by January 15, 2003. *California State University, Fresno, is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

DIRECTOR ENVIRONMENTAL STUDIES PROGRAM San Francisco State University

San Francisco State University invites applications for an outstanding Senior Professor (**ASSOCIATE PROFESSOR** or **PROFESSOR** rank with tenure) to serve as Director of our innovative, three-year old, growing, interdisciplinary Environmental Studies program. The successful applicant must be an excellent leader and spokesperson for the program in The College of Behavioral and Social Sciences and San Francisco State University realms, have laboratory instrumentation and program infrastructure, be an accomplished researcher in environmental studies, have taught successfully in environmental studies or related fields, and be skilled at collaborating and leading the many environmental studies program faculty from different academic fields. The qualifications for the position are a Doctoral degree in environmental studies or related field and a highly accomplished research and publication record and teaching experience and national visibility in the field of environmental studies. For information about the SFSU Environmental Studies program, please view the program's website: <http://bss.sfsu.edu/envstudies>. Application process: Please send a letter of application, curriculum vitae, three letters of reference, and a statement of academic leadership philosophy to:

**Dr. Joel Kassiola, Dean
College of Behavioral and Social Sciences
San Francisco State University
1600 Holloway Avenue
San Francisco, CA 94132
E-mail: kassiola@sfsu.edu
FAX: 415-338-1880
Telephone: 415-338-1846**

Applicant screening will begin February 15, 2003, and continue until the position is filled. San Francisco State University is a member of the California State University System and serves a diverse student body of over 28,000 undergraduate and graduate students. The mission of the University is to promote scholarship, freedom, human diversity, excellence in instruction, and intellectual accomplishment. *San Francisco State University is an Affirmative Action/Equal Opportunity Employer. We are particularly interested in attracting women, ethnic minorities, and persons with disabilities.*

FACULTY POSITION Conservation Ecology The University of New Orleans

The Department of Biological Sciences at the University of New Orleans invites applications for a position at the **ASSISTANT PROFESSOR** level in support of our new Doctoral program in conservation biology. We will consider applicants working in ecological areas related to conservation. The successful candidate will be expected to establish a strong, externally funded research program and teach at the graduate and undergraduate levels. Applicants should send current curriculum vitae, statement of research and teaching interests, and three letters of reference to: **Search Committee, Department of Biological Sciences, University of New Orleans, New Orleans, LA 70148.** For information about the Department, see website: <http://www.uno.edu/~bios>. Questions may be directed to e-mail: jsrogers@uno.edu. Review of applications will begin January 27, 2003, and will continue until the position is filled. *The University of New Orleans is an Equal Opportunity/Affirmative Action Employer.*

NIH-funded POSTDOCTORAL POSITIONS studying (1) muscle protein structure/function and (2) muscle cell injury and regeneration. Research combines *in vivo* gene transfer and functional analysis of transgenic muscle cells. Ph.D. in cell physiology, cell biology, or molecular biology desired. Send by e-mail curriculum vitae, statement of research/career goals, and names of three references to: **Gordon Lutz, Ph.D., Associate Professor, Drexel University College of Medicine, Department of Pharmacology/Physiology, Philadelphia, PA 19102.** E-mail: glutz@drexel.edu; website: http://www.drexel.edu/med/pharmacology_physiology/deptsite/faculty/lutz.htm.



**National University Medical Institutes
National University of Singapore
Postdoctoral Fellows or Scientists**

National University Medical Institutes (NUMI) seeks to recruit experienced **Postdoctoral Fellows or Scientists** for its programs in apoptosis and cancer biology. The successful applicant (PhD holder or equivalent) should have a strong background in either transcription factors or signal transduction or proteomics/DNA microarrays. Successful applicants should be strongly driven to succeed in competitive research funding. Salary and benefits will be commensurate with qualifications and experience. Details of NUMI's operations, research staff and programs may be viewed at <http://numi.crc.nus.edu.sg>. Interested applicants should submit a statement of research interests, curriculum vitae, list of publications and the names of three referees to: **The Director, National University Medical Institutes, Block MD11 10 Medical Drive, #02-01 Clinical Research Centre, Singapore 117597.**

(only shortlisted applicants will be notified)

**Department of Health and Human Services
National Institutes of Health
National Institute on Aging**



With nation-wide responsibility for improving the health and well being of all Americans, the Department of Health and Human Services oversees the biomedical research programs of the National Institutes of Health and those of NIH's research Institutes.

The National Institute on Aging, a major research component of the National Institutes of Health (NIH) and the Department of Health and Human Services, is recruiting for a Health Scientist Administrator to serve as Program Director and lead a research program in neuroepidemiology, which includes studies of prevalence, incidence, and risk factors for Alzheimer's disease and other dementias of aging. The individual selected for this position will develop the program, define its research questions and goals, encourage scientists with appropriate expertise and interest to develop and submit research grant applications, and foster interactions with other epidemiology programs across NIH.

The successful individual will possess an M.D. or Ph.D. degree in epidemiology-relevant biological or behavioral disciplines, have training and research experience in epidemiology as related to the aging process with preference for a focus on aging-related neurodegenerative diseases such as Alzheimer's disease, and have leadership/managerial skills and experience that include responsibility for the conduct and administration of biomedically related research.

Salary range is \$55,694 to \$101,742 and will be commensurate with research experience and accomplishments, and a full Civil Service package of benefits (including retirement, health, life and long term care insurance, Thrift Savings Plan participation, etc.) is available.

For additional information on this position, and for instructions on submitting your application, please see our website, at: www.jobs.nih.gov, or contact the **NIA Human Resources Office** at 301-496-5347. Refer to announcement # **NIA-02-538**. Applications must be postmarked by **January 31, 2003.**



HHS and NIH are Equal Opportunity Employers



Science's first
European Careers
Report of 2003 will
focus on Germany.

European Careers: GERMANY

14 February 2003

**Booking deadline:
28 January 2003**

This report will focus on the current research climate in Germany—is this an issue you can afford to miss?

To profile your organisation or to place a recruitment advertisement, please contact Anna McBryde.

Tel +44 (0) 1223 326 526
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RESEARCH SCIENTIST

Plant Biotechnology/Product Development

Pioneer Hi-Bred International, Inc. is the world leader in the discovery, development and delivery of elite crop genetics. We have an immediate need in the Food and Feed Research Group for a highly motivated individual to develop and manage genes/constructs identified as meeting trait target goals through the commercialization process. Responsibilities include development and analyses of appropriate stacks of genes previously identified as meeting trait targets, collaboration with field groups to design and develop the most effective field studies for event testing, collaboration with analytical groups to ensure analytical needs are aligned with trait needs, working with regulators to identify and address regulatory issues and needs, collaboration with animal nutritionists in the design and analyses of feeding trials, and tracking events through commercialization and assisting in solving issues throughout the process. The successful applicant should be product focused, have a strong desire to bring longer-term projects to completion, have a high level of organization and an ability to manage multiple tasks simultaneously, be able to lead, influence, innovate and succeed in a team environment, and have strong interpersonal and communication skills. Experience in molecular and field analyses of transgenic plants is highly desirable. Applicants must have a Ph.D. in biological sciences or a related field and at least three years of post-doctoral experience. Visit www.pioneer.com for a complete job description.

You must reference **Job Code RES/PP258/PSC** in order to be considered. Please send a resume/cover letter and three references to: **Employment Services, Pioneer Hi-Bred International, PO Box 14454, Des Moines, IA 50306-3454, or Email: apply@pioneerjobs.com.**

EOE

POSITIONS OPEN

FACULTY POSITIONS

Two tenure-track positions are available for Developmental Biologists beginning January 2003 in the Department of Pediatrics, Northwestern University's Feinberg School of Medicine. The positions are at the **ASSISTANT PROFESSOR** level and will entail a full-time commitment to research in developmental biology with an emphasis on patterning, signaling, or genetics. The individual will have a Ph.D. or equivalent training with strong postdoctoral experience in molecular genetics. The research area will be compatible with the work of the other members of the Developmental Systems Biology Program, which is organized to further our knowledge of the role of signal transduction pathways in the specification of fate during development. Teaching will be encouraged on an ad hoc basis but will not be required of the individual.

The successful candidates will join a robust and active group of Biologists dedicated to research at the Children's Memorial Institute of Education and Research (CMIER) at Northwestern University. CMIER offers in-house facilities including targeted mutagenesis and transgenic mice, sequencing, FACS, multiphoton microscopy, and Affymetrix gene array analysis. Salary is negotiable. Apply with curriculum vitae, research proposal, and three references to:

Philip Iannaccone, M.D., D.Phil.
Children's Memorial Institute for
Education and Research
Northwestern University Medical School
and Children's Memorial Hospital
2300 Children's Plaza, Number 204
Chicago, IL 60614 U.S.A.
Attention: Denise Lilly
FAX: 773-880-8266
E-mail: d-lilly@northwestern.edu

In order to ensure full consideration, applications must be received by January 31, 2003. Northwestern University and Children's Memorial Hospital are Affirmative Action/Equal Opportunity Employers. Hiring is contingent upon eligibility to work in the United States. Women and minorities are encouraged to apply.

RESEARCH

The Institute for Genomic Research (TIGR), a nonprofit scientific research organization, is the world leader in microbial genome sequencing. TIGR is currently seeking a **RESEARCH ASSOCIATE II** to perform basic and specialized molecular biology techniques. Position will focus on performing microarray experiments to examine development of zebrafish embryos and will involve handling of RNA and performing basic scientific laboratory calculations and other related molecular biology techniques. Requires a B.A./B.S. in biology or related field and one year of experience or Master's degree. Hands-on laboratory experience on an independent project and familiarity with standard laboratory procedures to include experience with RNA samples preferred. Must be able to operate standard laboratory equipment while maintaining up-to-date laboratory notes. TIGR offers an excellent working environment and a competitive benefits package. Send cover letter and résumé to:

TIGR
9712 Medical Center Drive
Rockville, MD 20850
Attention: Human Resources
(you must reference Number 1189)
E-mail: careers@tigr.org
FAX: 301-838-0257

Equal Opportunity Employer.

Two **POSTDOCTORAL POSITIONS** are available immediately to study estrogen's hormonal and carcinogenic actions. Hard-working, self-motivated applicants with experience in biochemistry, molecular biology, or drug metabolism are encouraged to send their curricula vitae and names of three references to: **Dr. Bao Ting Zhu, College of Pharmacy, University of South Carolina, Columbia, SC 29208. E-mail: btzhu@cop.sc.edu. University of South Carolina is an Affirmative Action/Equal Opportunity Institution.**

POSITIONS OPEN

FACULTY POSITION

Department of Surgery
University of Texas Medical Branch at Galveston

The Department of Surgery at the University of Texas Medical Branch, Galveston, Texas, in conjunction with the Gastrointestinal Research Interdisciplinary Program (GRIP) is seeking candidates for the position of **ASSISTANT** or **ASSOCIATE PROFESSOR** in the tenure track. Preference will be given to candidates interested in working in a highly collaborative, interdisciplinary environment. Current areas of interest include epithelial cell signaling, mechanisms of GI cancer cell proliferation, intestinal cell differentiation, the P13-kinase signaling pathway in normal and neoplastic conditions, gut peptide and receptor expression, and signaling and development of transgenic models. Successful candidates will be expected to establish and maintain independent, externally funded research programs. Candidates will be provided with generous start-up packages, competitive compensation and benefits, modern laboratory space, and access to state-of-the-art core facilities. Applicants for an Assistant Professor position should have at least three years of postdoctoral or equivalent experience and a strong publication record. Candidates for an Associate Professor position should have established, funded research programs and a strong publication record. Please send electronic curriculum vitae, statement of research interests and goals, and the names of three references to: **B. Mark Evers, M.D., Professor and Robertson-Poth Distinguished Chair, University of Texas Medical Branch, Galveston, TX; e-mail: grip.recruit@utmb.edu. University of Texas Medical Branch is an Equal Opportunity/Affirmative Action Employer; Minorities/Females/Disabled/Veterans. University of Texas Medical Branch is a smoke-free/drug-free workplace and hires only individuals authorized to work in the United States.**

PHYSIOLOGIST

Whitman College invites applications for a one-year sabbatical replacement beginning August 2003. Ph.D. required. Teaching responsibilities: upper-level physiology (animal or human) with laboratory, an elective for biology majors, a course for nonmajors, and supervision of senior research/thesis projects. Submit curriculum vitae, three letters of recommendation, undergraduate and graduate transcripts, statement of teaching and research interests, and evidence of excellence in teaching to: **Dr. Paul H. Yancey, Chair of the Physiologist Search, Department of Biology, Whitman College, 345 Boyer Avenue, Walla Walla, WA 99362. Telephone: 509-527-5498; FAX: 509-527-5904; e-mail: yancey@whitman.edu. Deadline: January 31, 2003. For additional information about Whitman College, see website: <http://www.whitman.edu/>. Whitman College is a selective liberal arts college building a diverse academic community. Minorities who would enrich the diversity of the campus community are strongly encouraged to apply.**

POSTDOCTORAL POSITIONS

Available in several laboratories studying cell signaling pathways controlling growth and differentiation, especially in relation to developmental mechanisms underlying birth defects. Visit website: <http://mamba.bio.uci.edu/~pjbryant/dbc/PostdocAd.htm> for details. To apply, correspond with individual Investigators or send curriculum vitae, statement of research interests, and names of three individuals willing to write on your behalf to: **Dr. Peter J. Bryant, Director, Developmental Biology Center, University of California, Irvine, CA 92697. Telephone: 949-824-5957; FAX: 949-824-3571. University of California, Irvine, is an Equal Opportunity Employer committed to excellence through diversity. Citizenship requirements on some positions.**

POSITIONS OPEN

ASSOCIATE PROFESSOR

Proteomics of Trauma, Sepsis, and Inflammation
University of Cincinnati

The Department of Surgery at the University of Cincinnati College of Medicine is seeking a tenure-track Associate Professor who is using proteomic approaches to address fundamental questions regarding the function of the innate immune system and/or the pathogenesis of inflammatory tissue/organ injury. The successful candidate will have an established research program in proteomics and a record that demonstrates their potential as a research leader. The individual will complement a growing group of bench Scientists and clinical Investigators working in the broad fields of trauma, sepsis, and inflammation and will enhance other research programs of the Department. The environment is exceptional for interacting with colleagues throughout the College of Medicine including the opportunity to interact with graduate and medical student Researchers.

The Department of Surgery has state-of-the-art laboratory facilities and the College has a number of core facilities that are among the best in the country. These include a BL3 containment facility for work with pathogens, transgenic and knockout mouse cores, DNA synthesis and sequencing facilities, gene microarray analysis facilities, and bioinformatics.

A highly competitive salary and start-up package will be offered. Applicants should send their curriculum vitae with bibliography, a brief description of their research program, and the names and contact information of three qualified references to: **Alex B. Lentsch, Ph.D., Director of Laboratory Research, Department of Surgery, University of Cincinnati, 231 Albert Sabin Way, ML 0558, Cincinnati, OH 45267-0558. Telephone: 513-872-6037; FAX: 513-872-6072; e-mail: alex.lentsch@uc.edu. The University of Cincinnati is an Affirmative Action/Equal Opportunity Employer. Women and minorities are particularly encouraged to apply.**

SYSTEMATIC MAMMALOGIST/CURATOR OF MAMMALS

The Department of Biology and the Museum of Southwestern Biology (MSB) at the University of New Mexico invite applications for a tenure-track faculty position in systematic mammalogy at the rank of **ASSISTANT PROFESSOR** or **JUNIOR ASSOCIATE PROFESSOR**. Applicants must have a Ph.D. in a relevant field of biology at the time of appointment with experience in curation at an internationally recognized natural history museum. Additional information available at websites: <http://biology.unm.edu>, <http://www.unm.edu/~museum/>, and from e-mail: tlowrey@unm.edu. Applicants should send a signed letter of application; curriculum vitae; three letters of reference; a brief description of research interests plus teaching and curatorial philosophy; and reprints of significant publications by February 3, 2003, to: **Systematic Mammalogist/Curator Search Committee, Department of Biology, University of New Mexico, Albuquerque, NM 87131-1091. Telephone: 505-277-2496; FAX: 505-277-0304; e-mail: ymartin@unm.edu. UNM is an Equal Opportunity/Affirmative Action Employer and Educator.**

POSTDOCTORAL POSITIONS supported by the NIH are immediately available in the Department of Cancer Cell Biology at the Harvard School of Public Health. Research topics include molecular epidemiology of cancer and signaling pathways involved in the regulation of genotoxic stress-induced cellular responses. Applicant must have a Ph.D. and/or M.D. degree and be a U.S. citizen or permanent resident. Experience in cellular and molecular biology or signal transduction is essential. E-mail curriculum vitae and three letters of reference to: **Martha Cassin; e-mail: mcassin@hsph.harvard.edu. Affirmative Action/Equal Opportunity Employer.**



Science CAREER FAIR

**SAN DIEGO, CA
27 MARCH 2003**

**11:00 am – 4:00 pm
Sheraton San Diego
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1380 Harbor Island Dr.**

Science is hosting
this career fair in
conjunction with
**IBC's Screen
Tech Meeting**



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info.com/screentech/](http://www.lifesciences.info.com/screentech/)

For more information and
a list of exhibitors, visit
www.sciencecareers.org
and click on Career Fairs
or call 202-326-7018.
Bring multiple copies of
your CV or resume to
the Career Fair; a copy
will be necessary for
admittance to the hall.
Admission is free.

For information contact
Daryl Anderson

phone 202-326-6543
fax 202-289-6742
e-mail ... danderso@aaas.org

Science @
CAREERS
www.sciencecareers.org



Associate Dean - College of Engineering and Applied Sciences

Stony Brook University's College of Engineering and Applied Sciences invites applications for the Associate Dean of the College. The Associate Dean will be expected to provide leadership in the areas of faculty and research development, long-range strategic planning, as well as the fostering of interdisciplinary research. The Associate Dean is responsible to the Dean for all administrative, curricular, research, and other aspects of the academic departments and programs that comprise the College of Engineering and Applied Sciences.

Founded in 1960, the College of Engineering and Applied Sciences is home to eight academic units: Applied Mathematics and Statistics, Biomedical Engineering, Computer Science, Electrical and Computer Engineering, Materials Science and Engineering, Mechanical Engineering, the Harriman School, and Technology and Society. The College aims to provide students with a solid foundation that prepares them to adapt successfully throughout their careers to advances in technology. Enrollment in engineering and applied sciences degree programs exceeds 1,800 undergraduate students and 900 graduate students of which there are 850 undergraduate majors and 100 graduate majors in business. The eight academic units have a faculty of 130 who generate sponsored research expenditures in excess of \$22 million last year. It boasts an alumni of over 12,000 students. The College is the home of two NSF Centers and one New York State Center for Advanced Technology. The newly completed Engineering 2010 plan anticipates the College to increase its faculty size by 50%, double the level of sponsored research, and create four new departments: Chemical Engineering, Civil Engineering, Industrial Engineering, and Information Systems. An additional 50,000-square-foot extension has just been added to the Heavy Engineering Building and a new building of 100,000 square feet for the Center for Excellence in Wireless and Information Technology is planned for completion in 2005.

Required: The Associate Dean must have an earned doctorate from an accredited institution of higher education and credentials sufficient for a tenured appointment at the full professor rank in one of the departments within the College. The successful candidate will have demonstrated leadership and managerial skills with special attention to faculty development and curriculum assessment, excellent communication skills, as well as evidence of success in teaching, research, scholarly activity, and service. The successful candidate will also have a strong commitment to diversity in recruitment and retention of faculty, students, and staff.

We expect to fill the position by September 1, 2003. For full consideration, applications are requested by January 30, 2003. However, the position will remain open until filled.

Applications should include curriculum vitae, three references, and a cover letter which details relevant experiences, interests, and accomplishments. Submit applications to:

Dr. Fu-Pen Chiang, Chair, Associate Dean Search Committee
College of Engineering and Applied Sciences
Stony Brook University, Stony Brook, NY 11794-2200.

AA/EOE For other job opportunities see www.stonybrook.edu/cjo.



Assistant Professor Positions in Molecular/Cellular Biology and Aquatic Biology

Arkansas State University is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. In pursuit of this commitment, the Department of Biological Sciences at Arkansas State University is seeking qualified candidates for two tenure-track positions: one in molecular/cellular biology and one in aquatic biology.

The Jonesboro campus serves over 10,000 students, and is located one hour northwest of Memphis, TN. The Department employs 17 full-time, tenure-track faculty with research interests in ecology, neurobiology, reproductive biology, microbiology, ecotoxicology, plant systematics, and entomology, and is active in the interdepartmental Ph.D. program in Environmental Sciences.

Molecular/cellular position - Applicants must have a Ph.D. and must be capable of establishing an active, extramurally funded laboratory. A substantial start-up package funded by the NIH through AR Biomedical Research Infrastructure Network (BRIN) is associated with this position. The candidate's specific area of research is open, and might include but is not limited to developmental biology, immunology, genetics, microbiology or physiology. Opportunities to interface with existing researchers and programs at ASU are encouraged, as well as at other BRIN institutions (which include facilities for microarray, proteomics, and bioinformatics) throughout the state. The AR Biotechnology Initiative, to be housed partly at ASU/Jonesboro, will expand future research opportunities in agrimedecine, bioengineering and environmental risk assessment.

Aquatic biologist position - Applicants must have an earned Ph.D. with a demonstrated record of research, publication and teaching in the area of aquatic biology. The specific area of research is open but should provide support for the teaching of some combination of upper division courses in aquatic ecology, limnology, ichthyology, and aquatic entomology. Development of a new course or redevelopment of an existing course in the candidate's specific area of expertise will be encouraged. The candidate successful in this position will obtain extramural funding sufficient to support graduate research leading to peer-reviewed publication. GIS experience preferred but not exclusive or restrictive to this position.

Both successful candidates will be expected to develop vigorous research programs, supervise graduate and undergraduate researchers, and participate in teaching both undergraduate and graduate courses in areas dependent upon expertise. Application review will begin on January 17, 2003.

Detailed descriptions and application instructions for both positions can be found at <http://academicaffairs.astate.edu/aapositions.htm> under Position Openings in the Department of Biological Sciences. Questions regarding the molecular/cellular position may be directed to **Dr. Anne Grippo** (agrippo@astate.edu); questions regarding the aquatic ecology position may be directed to **Dr. Richard Grippo** (rgrippo@astate.edu).

POSITIONS OPEN

ASSISTANT PROFESSOR POSITIONS BIOCHEMISTRY AND PHARMACOLOGY

Joan C. Edwards School of Medicine
Marshall University

Marshall University has recently embarked on a major research expansion. As part of these efforts, the Department of Pharmacology and the Department of Biochemistry and Molecular Biology will add three new tenure-track faculty positions at the Assistant Professor level. Position Number One (pharmacology) is for an individual with training and experience in pharmacogenomics with potential applications to cancer biology. Position Number Two (biochemistry) is for an individual with training and experience in reproductive cancer biology (e.g., breast, prostate, ovarian). Applications are also still being accepted for a third position (Position Number Three, biochemistry) for an individual specializing in cell signaling. Successful candidates will be expected to develop a funded research program in their area of expertise, teach medical and graduate students, and provide service to the University.

Marshall University is currently in the process of expanding its research capacity. Over \$60 million has been dedicated to build the new Biotechnology Science Building and Edwards Cancer Center. In addition, several infrastructure grants have contributed to the development of strong core facilities including DNA core (e.g., real time PCR, automated DNA sequencing, gene arrays); imaging core (transmission EM, confocal and atomic force microscopes); proteomics core (MALDI-TOF MS, 500 MHz NMR). Applicants for Position Number One should submit a letter of application, current curriculum vitae, names of three references, and a research plan by mail or e-mail to: **Dr. Gary O. Rankin, Chair, Department of Pharmacology, Joan C. Edwards School of Medicine, Marshall University, Huntington, WV 25704. E-mail: rankin@marshall.edu.** Applications for Positions Number Two and Number Three should submit the same information to: **Dr. Beverly Delidow, Chair of Biochemistry Search Committee, Department of Biochemistry, Joan C. Edwards School of Medicine, Huntington, WV 25704.** Competitive salaries and start-up packages will be available for the successful candidates. *Marshall University is an Equal Opportunity/Affirmative Action Employer.*

MOLECULAR NEUROSCIENTIST

The University of Mississippi Medical Center Department of Psychiatry and Human Behavior invites applications for a faculty position at the rank of **ASSISTANT** or **ASSOCIATE PROFESSOR**. The successful applicant will join a multidisciplinary team engaged in research in psychiatric neuroscience and will become a member of the newly created Center for Psychiatric Neuroscience. Preference will be given to candidates with the ability to attract extramural funding and to candidates whose research experience complements ongoing research. Ongoing research in the Center includes molecular and behavioral mechanisms of psychotherapeutic drugs, behavioral pharmacology of substance abuse and impulsivity, and neuropathobiology of psychiatric illnesses including substance abuse disorders. In addition to having a broad understanding of psychiatric neuroscience, a record of publications reflecting expertise in the use of molecular biological methods to study the biology of psychiatric/neurologic illnesses or their treatment is preferred. Candidates should have a Ph.D. and/or M.D. and postdoctoral experience. Salary will be commensurate with experience and a competitive start-up package is available. The appointment will be non-tenure track for up to five years, and the individual may have the opportunity to compete for a tenure-track position at the Medical Center over the course of funding of the Center. Send or FAX curriculum vitae, a brief statement of current and future research goals, and names of three references to: **Gregory A. Ordway, Ph.D., Psychiatric Neuroscience Search Committee, Department of Psychiatry and Human Behavior, University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216-4505. FAX: 601-984-5894. Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.**

POSITIONS OPEN



MARINE BIOLOGIST

The Department of Zoology at the University of Hawaii invites Marine Biologists to apply for a tenure-track **ASSISTANT PROFESSOR** position to start August 1, 2003. Research interests and experience should include tropical marine animals and complement present departmental strengths; desirable areas include community or population ecology and evolutionary biology. Teaching responsibilities include a new undergraduate course in the biology of marine organisms, an advanced course in the individual's specialty, and participation in a topics course in marine biology. Applicants must have a Ph.D. in biological sciences, evidence of significant research accomplishments, and commitment to quality teaching in a new undergraduate marine biology degree program. To apply, send letter of application; curriculum vitae; statement of research; statement of teaching philosophy; and the names, addresses, and e-mail addresses of three references to: **Marine Biologist Search Committee, Department of Zoology, 2538 McCarthy Mall, University of Hawaii, Honolulu, HI 96822. Direct inquiries to e-mail: zoology@hawaii.edu.** To receive full consideration, applications must be received by February 1, 2003; however, review of applications will continue until position is filled. *Equal Employment Opportunity/Affirmative Action Employer.*

Two **POSTDOCTORAL POSITIONS** and a **RESEARCH ASSOCIATE POSITION** at University of Tennessee Health Science Center, Memphis. A Vascular Biologist is sought to study signal transduction in neointima cells with a strong background in epithelial and vascular smooth muscle cell culture and animal models of vascular injury. PPAR and/or GPCR signaling is required. A Molecular Pharmacologist is sought to join a group of computational and synthetic Chemists to study LPA and SIP receptors and ligands using computationally guided mutagenesis techniques. A strong background in pharmacology and molecular biology and cell transfection is required. A Research Associate is sought to set up and run a core facility for high-throughput screening using Ca-monitoring, BRET, cAMP-alpha screen, and reporter-gene assays using fluorescence-based methods. Highly competitive salaries are offered. Candidates with Ph.D. or M.D. degrees should send curriculum vitae and three letters of reference to: **Professor Gabor Tigyi, Department of Physiology, University of Tennessee Health Sciences Center, Memphis, 894 Union Avenue, Memphis, TN 38163. E-mail: drlpa@physiol.utmem.edu.** *The University of Tennessee is an Equal Employment Opportunity/Affirmative Action/Title VI/Title IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Employer.*

POSTDOCTORAL FELLOW Van Andel Research Institute

A Postdoctoral position is available immediately to study the regulation of DNA replication in human cells. The applicant should have a recent Ph.D. in the biological sciences and experience with molecular biology, protein purification, and cell culture. The Van Andel Research Institute is a new, nonprofit cancer research center with state-of-the-art facilities for cytogenetics, proteomics, monoclonal antibody production, DNA sequencing, expression profiling, germ line modification, and microscopy. Entry-level salary is \$32,000 plus comprehensive benefit and 401(K) plans. Send a cover letter including your research experience, curriculum vitae, and the names and addresses of three references to: **Dr. Michael Weinreich, Van Andel Research Institute, 333 Bostwick Avenue N.E., Grand Rapids, MI 49503. E-mail: michael.weinreich@vai.org. Equal Opportunity Employer.**

POSITIONS OPEN

VERTEBRATE BIOLOGIST

East Tennessee State University Biological Sciences Department (website: <http://www.etsu.edu/biology>) invites applications for a tenure-track **ASSISTANT PROFESSOR** position beginning August 15, 2003. Ph.D. required by start date; postdoctoral experience preferred. Research specialization in any area of freshwater field vertebrate zoology using modern research approaches; herpetology/ichthyology in Appalachian region especially encouraged. Teaching duties include participation in freshman biology sequence; an advance course in either vertebrate zoology, ecology, or aquatic biology; and an upper-division/graduate course in area of expertise. Will be responsible for developing active research program to include B.S. and M.S. students. Applicants with broad vertebrate biology training are especially encouraged. Salary competitive and commensurate with education and experience.

Send complete curriculum vitae; transcripts; statements of teaching and research interests; and three letters of recommendation by January 31, 2003, to: **Dr. Fred Alsop, Search Committee, Biological Sciences Department, Box 70703, East Tennessee State University, Johnson City, TN 37614-1710. Telephone: 423-439-6838; FAX: 423-439-5958; e-mail: alsopf@mail.etsu.edu. Affirmative Action/Equal Opportunity Employer.**

ASSISTANT/ASSOCIATE PROFESSOR TENURE-TRACK POSITIONS Pharmacology and Pharmaceutical Chemistry

As part of a significant expansion of the Pharmaceutical Sciences Department at North Dakota State University, applications are invited for two tenure-track positions with appointment beginning August 15, 2003. The areas of research interest are open with preference given to Pharmacologists working at the molecular or cellular level and to Pharmaceutical Chemists working in the areas of novel drug development, combinatorial approaches to drug discovery, or drug metabolism. More information concerning these positions can be obtained at website: <http://www.ndsu.nodak.edu/pharmsci/>. Application deadline is January 31, 2003, or thereafter until the positions are filled. Candidates should submit their materials to: **Dr. John J. Wagner, College of Pharmacy, 123 Sudro Hall, Fargo, ND 58105. E-mail: john.wagner@ndsu.nodak.edu. NDSU is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITIONS Membrane Proteins

These positions are available immediately to carry out research on molecular and cellular biology of transport proteins. (1) NaK-ATPase, reaction mechanism, assembly and trafficking. (2) CTR, structure function analysis, and cell biology of the human copper transporter. Experience in protein chemistry, heterologous expression, using biochemistry and cell biology preferred. An interactive department in a beautiful location. Send curriculum vitae and names of references to: **Jack H. Kaplan, Ph.D., F.R.S., Professor and Chair, L224, Oregon Health Sciences University, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201. E-mail: kaplanj@ohsu.edu.**

POSTDOCTORAL POSITION Johns Hopkins University and Harvard Medical School

Postdoctoral positions available immediately to investigate the role of presenilins in synaptic transmission and plasticity. Successful candidates will join the laboratories of **Dr. Shen** at Harvard Medical School (website: <http://www.shenlab.net>) and **Dr. Kirkwood** at Johns Hopkins University that combine mouse genetics and electrophysiological approaches to study models of Alzheimer's disease. Familiarity with whole cell recording techniques is highly desirable. Applicants should send curriculum vitae and three reference letters to e-mail: kirkwood@jhu.edu.

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West Virginia University

ROBERT C. BYRD HEALTH SCIENCES CENTER

Assistant Dean for Graduate Studies School of Medicine

West Virginia University (WVU) invites applications for Assistant Dean for Graduate Studies in the School of Medicine with a tenure track appointment as Professor or Associate Professor in a basic science department. WVU Health Sciences Center (HSC) includes the Schools of Medicine, Pharmacy, Dentistry and Nursing, each having health professional and graduate training programs. The Assistant Dean will be expected to provide administrative oversight for the graduate programs, facilitate interdisciplinary graduate training, enhance graduate student recruitment and foster collaboration with other disciplines, e.g., biology, genetics, chemistry and engineering. The Assistant Dean will have 40% time for research, institutional support to facilitate research program transfer, and opportunity to participate in medical or graduate student training.

West Virginia University is a comprehensive, Carnegie designated Doctoral Research-Extensive public institution, with approximately 23,000 undergraduate and 5,500 graduate students. Morgantown has 55,000 residents and is rated as one of the best small towns in the U.S., with affordable housing, excellent schools, a picturesque countryside and many outdoor activities.

Qualifications: Ph.D. or M.D. with a record of scholarship and an NIH-funded research program preferably related to cardiopulmonary disease, vascular biology, or inflammatory lung injury. Candidate should have experience in recruiting and mentoring graduate students plus interpersonal skills that enable him/her to assume a leadership position working with faculty.

Submit curriculum vitae, summary of research and experience in graduate education, plus 3 references to: **Dr. Thomas Saba, Associate Vice President for Research and Graduate Education, West Virginia University Health Sciences Center, PO Box 9104, Morgantown, WV 26506.**

West Virginia University is an Affirmative Action/Equal Opportunity Employer.

JOHNS HOPKINS
UNIVERSITY

Dean, Whiting School of Engineering

The Johns Hopkins University is seeking applications and nominations for the position of Dean of the Whiting School of Engineering. Exercising a high degree of autonomy, the Dean has responsibility for and authority over the School's programs and budgets in a highly decentralized university. The University seeks an individual of distinguished accomplishment to lead a faculty with a strong tradition of excellence in research, teaching, and service. Candidates should have demonstrated skills in academic leadership, administration, and development.

The Whiting School is a leader in research-based engineering education and is now in an exciting period of growth. The School has a tenured and tenure-track faculty of 110 and enjoys the active participation of an additional 20 faculty whose primary appointments are in the School of Medicine. It has an undergraduate population of 1,290 and a full-time graduate population of 515. In partnership with the University's Applied Physics Laboratory, the School also offers part-time master's degree programs to more than 2,000 students. The School has nine academic departments: Biomedical Engineering (jointly with the School of Medicine); Chemical Engineering; Civil Engineering; Computer Science; Electrical and Computer Engineering; Geography and Environmental Engineering; Materials Science and Engineering; Mathematical Sciences; and Mechanical Engineering. The Whiting School is also the home of thirteen research centers.

Sharing the same campus and many of the same facilities, the School of Engineering has a close relationship with the Krieger School of Arts and Sciences. It also collaborates extensively with the University's School of Medicine and Applied Physics Laboratory. Additional information on the Whiting School may be found at www.wse.jhu.edu.

Nominations and/or letters of application with a curriculum vitae should be sent to: **Dr. Steven Knapp, Provost, Chair, Engineering Search Committee, Johns Hopkins University, Room 265, Garland Hall, 3400 North Charles Street, Baltimore, MD 21218-2688; Or e-mailed to: provost@jhu.edu.**

The Search Committee will begin reviewing nominations and applications immediately. The University expects to fill this position by July 1, 2003.

The Johns Hopkins University is an Equal Opportunity/ Affirmative Action Employer.

POSITIONS OPEN

RESEARCH MOLECULAR BIOLOGIST/ RESEARCH GENETICIST United States Department of Agriculture Agricultural Research Service

The USDA, ARS, Plant Genetics Research Unit in Columbia, Missouri, seeks a Research Molecular Biologist/Research Geneticist; GS-12/13/14; \$54,275 to \$99,150, salary commensurate with experience. A major objective of this position is to elaborate a functional genomics approach for analysis of soybean seed development and composition. Included are elucidation of gene products and their control, interactions among themselves and the environment, and variation in expression in plant growth. Candidates may qualify based on education directly related to the position and/or specialized experience involving molecular biology, application of genetic techniques, and the modification of biological functions. *United States citizenship is required.* Comprehensive benefits package includes paid annual and sick leave, life insurance, health insurance, and a savings and investment plan in addition to a federal retirement plan. For information on the research program and/or position, contact: **Larry Darrach, Research Leader; Telephone: 573-882-2349; e-mail: darrach@missouri.edu.** For the full text of the Vacancy Announcement, which includes application procedures and forms, contact: **JoAnne Fernandez Knipsh; Telephone: 573-875-5293; e-mail: fernandezj@missouri.edu; ARS vacancy website: <http://www.afm.ars.usda.gov/divisions/hrd/index.html> (Announcement Number ARS-X3W-3068).** Applications in response to this advertisement must be postmarked by January 13, 2003. *USDA-ARS is an Equal Opportunity Provider and Employer.*

MICROBIAL SYSTEMATIST

The American Museum of Natural History (AMNH) is seeking a midcareer- to senior-level Scientist to fill a tenure-track position in the field of microbial systematics with emphasis on the use of genomic techniques beginning September 2003. The successful candidate will be appointed at the rank of **ASSOCIATE or FULL CURATOR**. Candidates must have an established record of funded research in systematics and/or phylogenetics of microbes using genomic techniques and demonstrate the experience and ability to guide the establishment of a new initiative in microbial research at the AMNH. Areas of taxon research focus can include bacteria, archaea, protists, or fungi (but not viruses). Applicants must have a strong commitment to the use and continued development of the Ambrose Monell Collection for Molecular and Microbial Research at the American Museum as a complement to their research programs.

Application materials should include curriculum vitae, statement of research interests and goals, copies of publications relevant to the application, and at least three letters of reference from individuals capable of commenting on the capabilities of the candidate. The deadline for submission of application materials is December 20, 2002. Interviews will be conducted by the end of January 2003. Materials should be sent to: **Chair, Microbial Systematist Search, Division of Invertebrate Zoology, The American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024.** Alternatively, application materials may be directed to **e-mail: microsys@amnh.org.** *Equal Opportunity Employer.*

COLUMBIA UNIVERSITY SCIENCE FELLOWS

Columbia University announces the creation of the Columbia Science Fellows program. We seek young Scientists at the Postdoctoral level who intend to pursue active research programs in the physical or life sciences and who are interested in interdisciplinary science teaching for undergraduates. A description of the program along with application instructions can be found at **website: <http://www.cnmtl.columbia.edu/projects/frontiers/fellows.html>.** The application deadline is January 31, 2003. *Columbia University is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN



POSTDOCTORAL POSITIONS Cardiovascular Sciences

Two Postdoctoral Positions in the Center for Cardiovascular Sciences at Albany Medical College are available in the area of fatty acid transport, activation, and intracellular trafficking. Candidates must have a Ph.D. in biochemistry or molecular biology with publications in international journals. Expertise in lipid biochemistry, molecular genetics, and protein expression is also required. Successful candidates will assist in the development of automated high-throughput screens to identify compounds useful to inhibit fatty acid uptake into cells and conduct structure-function studies on the fatty acid transport proteins and associated acyl CoA synthetases. Albany Medical College is located on the University Heights campus in Albany, New York. The College maintains a close association with the Rensselaer Polytechnic Institute and the University at Albany and thus offers an expansive research environment. Please forward a letter of application, curriculum vitae, and two letters of reference to: **Dr. Paul Black (e-mail: blackp@mail.amc.edu) or Dr. Concetta DiRusso (e-mail: dirussoc@mail.amc.edu), Albany Medical College MC8, 47 New Scotland Avenue, Albany, NY 12208.** *Equal Opportunity Employer/Affirmative Action.*

The Research Institute on Addictions (RIA) anticipates an opening for a State of New York permanent **RESEARCH SCIENTIST** position. We are seeking an individual with neuroscience training in molecular/cellular neurobiology or biochemistry. A Doctoral degree and a minimum of one to two years of postdoctoral research experience is required. A track record of external grant funding is highly desirable but not necessary. The successful candidate is expected to obtain funding in research areas that answer important scientific questions relevant to substance abuse. Positions are subject to New York State Civil Service regulations. Salary and fringe benefits are competitive. RIA is a research center within the University at Buffalo, The State University of New York, and faculty and/or joint appointments with University of Buffalo departments are available. Visit the RIA **website: <http://www.ria.buffalo.edu>.** Inquiries can be made to: **Roh-Yu Shen; e-mail: shen@ria.buffalo.edu, Search Committee Chair.** Send cover letter outlining research experience and future plans, curriculum vitae, and letters of recommendation to: **James Krygier, Administrative Officer, Research Institute on Addictions, 1021 Main Street, Buffalo, NY 14203.** Applications will be reviewed beginning February 1, 2003. *The University at Buffalo is an Equal Opportunity Employer/Recruiter. Applications from minority candidates are particularly welcome.*

ENDOCRINOLOGY The University of Minnesota

The Division of Endocrinology and Diabetes in the Department of Medicine at the University of Minnesota is searching for a tenure-track Physician-Scientist at the **ASSISTANT PROFESSOR** level. The individual should have a demonstrated research record of excellence in the area of autoimmune endocrine disease with an emphasis on diabetes and with evidence of ability to collaborate with both clinical and basic Scientists. The individual will also provide care for patients with diabetes and/or other endocrine diseases and will have a major role in teaching endocrine Fellows, medicine residents, and medical students. Essential qualifications include M.D. and Ph.D., Board certified in internal medicine, Board eligible or Board certified in endocrinology and metabolism. Interested candidates should send a letter and curriculum vitae to: **Search Committee Chair, Dr. Cary Mariash, MMC 101, 420 Delaware Street S.E., Minneapolis, MN 55455.** Applications will be reviewed beginning immediately and accepted until position is filled. *The University of Minnesota is an Equal Opportunity Educator and Employer.*

POSITIONS OPEN

DIRECTOR Electron Microscopy Facility

We are seeking an Electron Microscopist to direct an interdepartmental electronic microscopy laboratory and core facility (**website: <http://www.mcw.edu/cellbio/emfacility.html>**) at the Medical College of Wisconsin. Candidates should have a minimum of a Master's degree but a Ph.D. and/or M.D. is preferred. Three years of experience are required in transmission electron microscopy, ultramicrotomy, specimen preparation, photographic darkroom work, and maintenance of equipment; experience in diagnostic electron microscopy, immunocytochemistry, and ultrastructural analysis of cells and tissues is desirable. Specific duties include management of EM laboratory and supervision of Technologist, technical/scientific consultation with Research Scientists, performing diagnostic EM for pathology service, preparation of TEM specimens, and maintenance of EM equipment. Professional opportunities, salary, and rank are commensurate with experience. Send résumé/curriculum vitae and list of references to: **M. Wolter, Electron Microscopist Search, Department of Microbiology and Molecular Genetics, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226.** *Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.*

ASSISTANT PROFESSOR Animal Physiology Queens College The City University of New York

We invite applications for a tenure-track position at the rank of Assistant Professor in the area of animal physiology. We particularly welcome applicants who take interdisciplinary approaches to investigate mechanisms of endocrine physiology but qualified candidates in all aspects of systems physiology will be considered. The successful candidate will be expected to develop an independent research program involving undergraduate and graduate students and to participate in the teaching of undergraduate- and graduate-level courses. Applicants must have an earned Doctoral degree, postdoctoral experience, and a strong record of research accomplishment. Salary (range \$35,031 to \$61,111 on a nine-month appointment) is commensurate with qualifications and experience. Further information can be found at **website: <http://www.qc.edu/biology/>.**

Interested applicants should dispatch curriculum vitae with a short summary of current and future research interests and arrange to have three letters of reference (to be received by January 15, 2003) to:

**Animal Physiologist Search
Department of Biology
Queens College
The City University of New York
65-30 Kissena Boulevard
Flushing, NY 11367**

EVOLUTIONARY GENETICIST

Whitman College invites applications for a one-year sabbatical replacement beginning August 2003. Ph.D. required. Teaching responsibilities: upper-level evolutionary biology course, conservation biology for nonmajor/environmental studies (with laboratory), population and evolutionary genetics portion of a team-taught genetics course for majors, and supervision of senior research/thesis projects. Submit curriculum vitae, three letters of recommendation, undergraduate and graduate transcripts, statement of teaching and research interests, and evidence of excellence in teaching to: **Dr. Delbert W. Hutchison, Chair of the Evolutionary Geneticist Search, Department of Biology, Whitman College, 345 Boyer Avenue, Walla Walla, WA 99362. Telephone: 509-527-5135; FAX: 509-527-5904; e-mail: hutchidw@whitman.edu.** For additional information about Whitman College, see **website: <http://www.whitman.edu/>.** *Whitman College is a selective liberal arts college building a diverse academic community. Minorities who would enrich the diversity of the campus community are strongly encouraged to apply.*

POSITIONS OPEN

POSTDOCTORAL POSITIONS M. D. Anderson Cancer Center Science Park, Research Division

Postdoctoral positions are immediately available to study molecular and cellular mechanisms of cancer development. The multidisciplinary faculty at MDACC Science Park direct research projects in various areas including but not limited to DNA repair and mutagenesis; role of genetic susceptibility and tumor suppressor genes in cancer; cell cycle regulation; immunology; virology, chemoprevention, and functional genomics. The use of transgenic and knockout models is emphasized. Additional information is available on our website: <http://sciencepark.mdanderson.org>. Candidates for this NCI sponsored training program must be U.S. citizens or permanent residents with a Ph.D., M.D., or D.V.M. degree. For application material, contact: Dr. Ellen Richie, Science Park, P.O. Box 389, Smithville, TX 78957. E-mail: erichie@odin.mdacc.tmc.edu.

POSTDOCTORAL FELLOWSHIP Neuroscience/Neurotoxicology University of New Mexico

A Postdoctoral Fellowship is available for up to three years working with a multidisciplinary team studying the neurodegenerative toxicity of inhaled metals including manganese and DU. The successful applicant should work well in a collaborative environment; have excellent writing and organizational skills; experience with immunohistochemical analysis of brain tissues; and a strong background in either neuroanatomy, neurotoxicology, and dopaminergic systems and/or neuroimmune modulation. Send résumé and sample publications to: Dr. Johnnie Lewis, Community Environmental Health Program, Department of Internal Medicine, 2211 Lomas Avenue N.E., 5-ACC, Albuquerque, NM 87131.

POSTDOCTORAL POSITIONS are immediately available for research focused on the biological and biochemical functions of tumor suppressor genes including RB, BRCA1, and BRCA2. Training and experience in biochemistry, molecular biology, cell biology, or animal models preferred. Prospective candidates should forward their curriculum vitae and three references to: Wen-Hwa Lee, Ph.D., Professor and Chair, Institute of Biotechnology/Department of Molecular Medicine, University of Texas Health Science Center at San Antonio, 15355 Lambda Drive, San Antonio, TX 78245-3207. FAX: 210-567-7377; e-mail: leew@uthscsa.edu. The UTHSCSA is an Equal Employment Opportunity/Affirmative Action Employer.

A **POSTDOCTORAL POSITION** is available immediately at the Department of Physiology, University of Alberta, Canada, to work with Dr. Anthony Ho and Dr. Constance Chik investigating transduction mechanisms in neuroendocrine organs using biochemical, molecular, and electrophysiological techniques. The position would suit a Ph.D. in physiology, neuroscience, or biological sciences. To apply, please send curriculum vitae and names of references to: e-mail: anho@ualberta.ca.

POSTDOCTORAL POSITION available to study the regulatory mechanisms of the cell cycle in trypanosome. Research experience in molecular biology and biochemistry is required. Must have a recent Ph.D. degree. Send curriculum vitae and names and addresses of three references to: Professor C. C. Wang, Department of Pharmaceutical Chemistry, University of California, San Francisco, CA 94143-0446. FAX: 415-476-3382; e-mail: ccwang@cgl.ucsf.edu.

POSTDOCTORAL POSITIONS available to study the mechanism of DNA replication and repair. Candidate must have experience in protein expression, purification, phosphopeptide mapping, or siRNA technology. Send curriculum vitae and three letters of reference to: Dr. Marietta Lee, New York Medical College, Department of Biochemistry, Valhalla, NY 10595. E-mail: marietta_lee@nymc.edu.

POSITIONS OPEN

POSTDOCTORAL ASSOCIATE Computational Chemistry of Polymers Rutgers University

Available immediately. The ideal candidate is a Computational Chemist with expertise in computer-aided molecular design and discovery of polymers (e.g., Insight/Discover, Sybyl, Spartan, Cerius2, QSAR/3D-QSAR methods; pharmacophore mapping; molecular similarity-diversity analysis; conformational analysis; and 3-D database searching). Knowledge in the development of quantitative structure-performance relationship (QSPR) models is essential. A Ph.D. in chemistry or related field is required. Fluency in English is required. Initial appointment will be for one year with possible renewal upon mutual consent. Competitive salary and attractive benefits package is offered. Submit résumé and the names of three references to:

Susan Sutton, Research Coordinator
New Jersey Center for Biomaterials
610 Taylor Road
Piscataway, NJ 08854-8058
Telephone: 732-445-0488
FAX: 732-445-5006

E-mail: kohn@rutchem.rutgers.edu
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ANNOUNCEMENTS

CALL FOR PROPOSALS The NASA Astrobiology Institute

The NASA Astrobiology Institute (NAI) has released a Cooperative Agreement Notice (CAN Cycle-3) soliciting proposals to become **LEAD TEAM INSTITUTIONAL MEMBERS** of the NAI. Ten to 12 new Lead Teams are expected to be selected in response to this CAN. Participation in this solicitation is open to all categories of organizations (domestic and foreign) including industry, educational institutions, nonprofit organizations, NASA centers, and other government agencies. The CAN document can be viewed and downloaded at the NASA Office of Space Science Research Opportunities website: http://research.hq.nasa.gov/code_s/open.cfm. Notices of Intent (NOI) due: January 10, 2003. Proposals due: March 6, 2003. Online submission at website: <http://proposals.hq.nasa.gov/proposal.cfm>. The NAI is a geographically distributed institution that funds and supports research in astrobiology, a new discipline devoted to the study of life on Earth and elsewhere in the Universe: its origin, evolution, distribution, and future. Additional information about the NAI can be obtained at its website: <http://nai.arc.nasa.gov>.

University of Cambridge **SCIENCE SUMMER SCHOOL**: 13 July to 2 August 2003. Nanoseconds to light years: time and distance in Science. Range of special subject classes includes palaeoecology, geology, autism, evolution, genetics, nanotechnology, GM crops, forensic anthropology, spectroscopy, and more. **International Summer Schools** (reference Science), University of Cambridge, England. E-mail: intenq@cont-ed.cam.ac.uk; website: <http://www.cont-ed@cam.ac.uk/IntSummer>.

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March 15-17, 2003, New York, New York
Glutamate and Disorders of
Cognition and Motivation
April 13-15, 2003, New Haven, Connecticut
Adolescent Brain Development:
Vulnerabilities and Opportunities
September 18-20, 2003, New York, New York
Contact website: <http://www.NYAS.org/scitech/confcal.cfm>.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS Applied Conservation

The Nature Conservancy (TNC) announces the sixth round of David H. Smith Conservation Research Fellowships, which provide two-year postdoctoral support in applied conservation biology. Each Fellow will carry out research pertinent to conservation issues in the United States at an institution selected by the Fellow in close association with a TNC mentor. Research will have relevance to sites or ecoregions that TNC has identified as having conservation priority. Research themes are open; past Fellowships have focused on conservation planning, climate change, avian conservation, freshwater and riparian ecology, and invasive species. Proposals are due January 31, 2003. Funding for Fellows will be available August 2003. For more information including the proposal guidelines and selection criteria, see the Smith Program website: <http://www.smithfellows.org>. You can also request a copy of the guidelines by sending an e-mail or writing to: Smith Conservation Research Fellowship Program, The Nature Conservancy, 4245 North Fairfax Drive, Suite 100, Arlington, VA 22203-1606. E-mail: postdoc@tnc.org. The Nature Conservancy is an Equal Opportunity Employer.

MEETINGS

The American Society for Microbiology invites you to attend 'Future Directions for Biodefense Research: Development of Countermeasures' on March 9-12, 2003, in Baltimore, Maryland. The abstract form and Preliminary Program are available at website: <http://www.asmbiodefense.org>. Top Scientists will present the latest research on microbial and viral pathogenesis and interactions with the host; the immune system and the role it plays in host defense; diagnostics, drugs, and vaccines as countermeasures; and more.

GLOBAL OPPORTUNITIES

POSTDOCTORAL MOLECULAR BIOLOGIST

Three-Year Appointment

Murdoch University in Perth, Western Australia, seeks a Postdoctoral Molecular Biologist to join a vibrant research group to investigate the molecular genetics of differential fungicide sensitivity in fungal plant pathogens. The project is in collaboration with Syngenta and will involve some travel to the United Kingdom. Details from e-mail: roliver@central.murdoch.edu.au.

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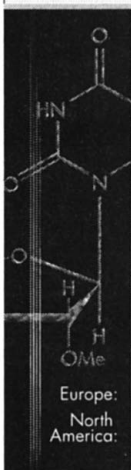
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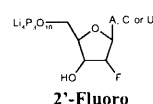
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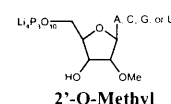
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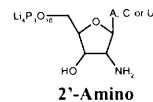
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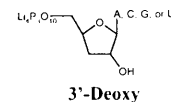
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Nolan, Edward et al., High-Level Transgene Expression and Immune Response After Electroporation-Enhanced Gene Delivery into Rodent Skeletal Muscle, Annual Meeting of the American Society of Gene Therapy, 1999, USA

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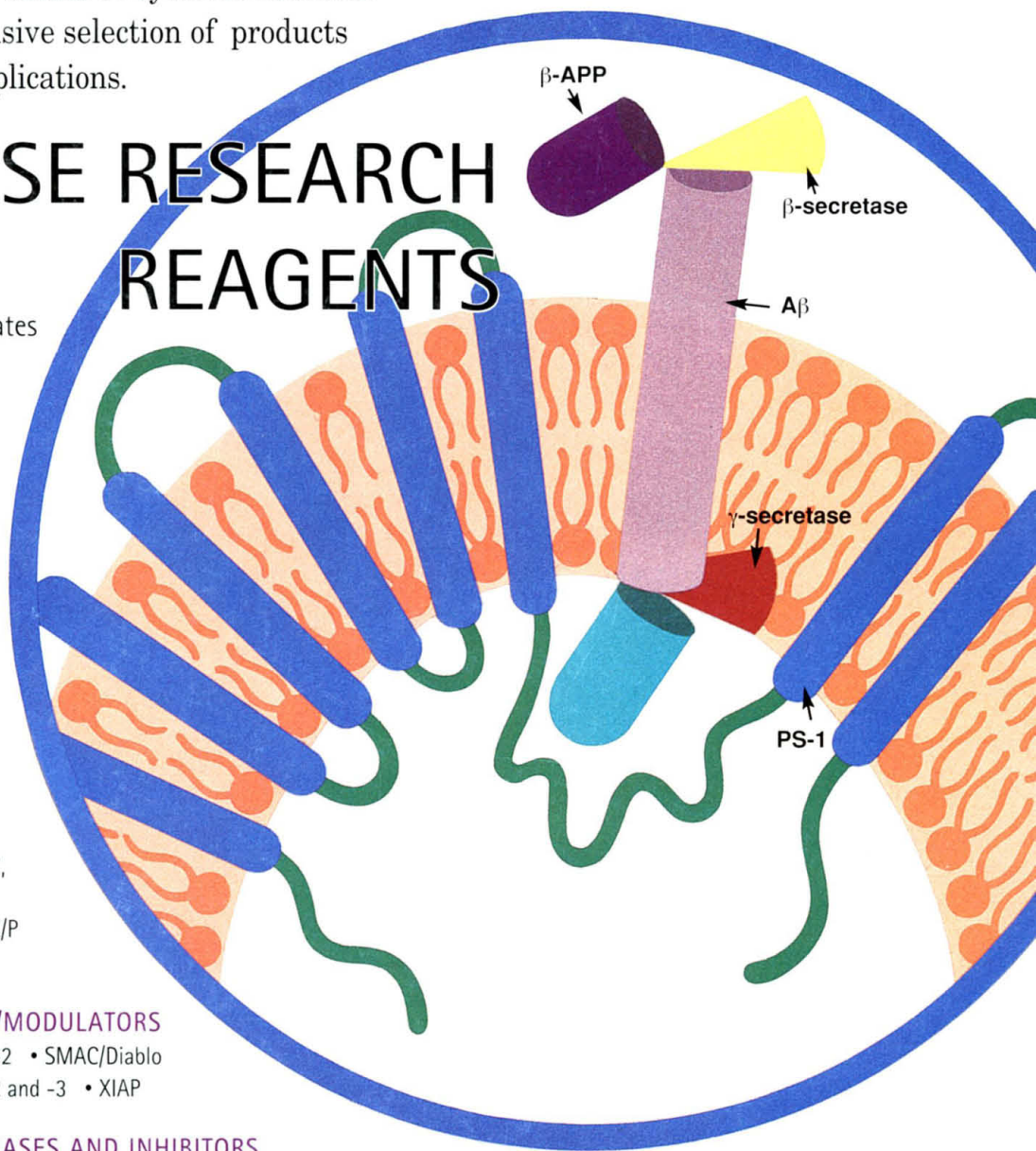
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