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TAXONOMIC TIGER

The platypus is a strange organism, but Australian taxonomic database software of the same name is not. Platypus version 3, produced by CSIRO, is an excellent database package for cataloging taxonomic information. It is much simpler to use than traditional spreadsheet

database management software. Its secret is that it was designed by biologists specifically for taxonomic use.

Taxonomic data and other information can be entered directly or imported from text files or online resources. Internet access is crucial for exploiting the full utility of this software. Information stored in Platypus is easily exported to most of the popular desktop publishing, presentation, and word processing software. It is compatible with Microsoft Access 2000 and software that accepts the RTF format.

Data entry flexibility is a key feature of the software. Taxonomic subdivisions within a group can be categorized into trees organized alphabetically, or grouped by user-defined criteria. A drag-and-drop feature permits easy manipulation of taxonomic trees by using the Checklist window. The Output command facilitates simple printing and editing. Classical taxonomic ranks particular to bacteriology, botany, horticulture, or virology can also be added. In addition, biocodes and common names can be entered.

For any species entered in Platypus, various kinds of supplementary information can be added by using the Species Information window. These include data type (such as holotype, lectotype, neotype, and syntype), date of identification, location of specimen, acquisition number, distribution, references, and graphics files. Maps depicting population distributions and densities can also be stored with the species information. Distribution maps with overlays of other species can also be stored for studies involving species richness measures and interspecific interactions. An easy-to-use field window facilitates data entry and searching.

Bibliographic work is reduced by the versatility of Platypus's reference field window. Information can be reformatted to fit a variety of journal styles for presentation and publication. References can be searched by author, publication date, keywords, and other cues. Platypus can also accept citation and reference information downloaded from bibliographic Web sites.

This version of Platypus operates more quickly and can import more types of data than earlier versions of the program. In addition to being a useful tool for ecologists and taxonomists, the program's bibliographic, geographic, and paleontologic information management functions make it useful to a wide range of biologists.

Platypus is available online and as a CD-ROM package. The online version can be downloaded on trial from the Platypus Web site at <http://environment.gov.au/abrs/platypus.html>. Platypus operates on Windows 95, 98, 2000, and NT with Pentium II or greater systems.

—Brian R. Shmaefsky

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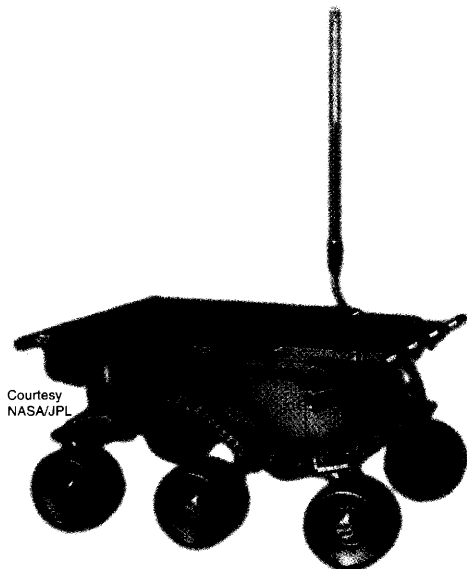
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CONTINUED ON PAGE 2193

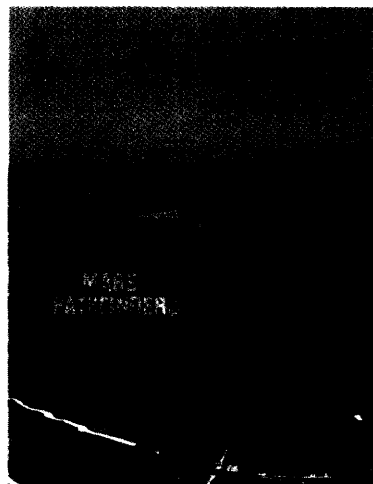
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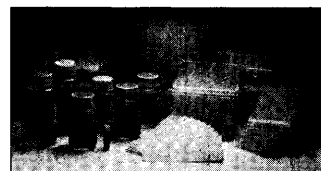
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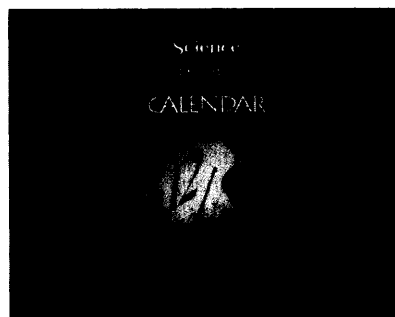
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Science is proud to present its first annual Events Calendar



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.

We hope that you will also visit

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throughout the year to search for additional events that may not appear on this calendar. The database is updated frequently so be sure to visit often.

The *Science* Business Office compiled the 2002 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 2003 calendar.

For full details contact:

| | |
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Science 2002 Scientific Events Calendar



| Date | Event | Location | For Information | Event Host |
|-----------------------------------|---|----------------------------|---|--|
| January | | | | |
| 1 Jan – 31 Dec (Various dates) | International Symposia on New and Emerging Areas of Science | London, United Kingdom | http://www.royalsoc.ac.uk/events | The Royal Society |
| 17 – 18 Jan | Living to 100 and Beyond: Survival at Advanced Ages Symposium | Lake Buena Vista, Florida | http://www.soa.org/conted/bro02.html | Society of Actuaries |
| 26 – 30 Jan | LabAutomation 2002 | Palm Springs, California | http://labautomation.org | Association for Laboratory Automation |
| 28 Jan – 15 Apr | Coastal Studies Semester | Florida Keys, Florida | http://www.hood.edu/coastal | Hood College |
| 29 – 30 Jan | 2nd Annual European Venture Capital Forum | Munich, Germany | http://www.sachsforum.com | Sachs Associates & Bloomberg L.P. |
| 30 Jan – 2 Feb | Signal Transduction 2002: Cell Signaling, Transcription and Translation as Therapeutic Targets | Luxembourg, Luxembourg | http://www.transduction-meeting.lu/ | RSL/RCMS |
| February | | | | |
| 2 – 6 Feb | Miami Nature Biotechnology Winter Symposia – Genomics and Structural Biology for Medicine | Miami Beach, Florida | http://www.med.miami.edu/mnbws | University of Miami |
| 4 – 7 Feb | 12th International Congress on Anti-Cancer Treatment | Paris, France | laurenceherbin@wanadoo.fr | T.C.O. |
| 5 – 19 Feb | 2002 Keystone Symposia | Keystone, Colorado | http://www.keystonesymposia.org | Keystone Symposia |
| 6 – 9 Feb | First CNIO (Spanish National Cancer Center) Symposium on Basic and Translational Cancer Research | Madrid, Spain | http://www.cnio.es | Spanish National Cancer Center |
| 6 – 8 Feb | 7th International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers (HTC-7) | Bruges, Belgium | http://www.ordibo.be/htc | Royal Flemish Chemical Society |
| 10 – 14 Feb | Society for Biomolecular Screening Co-sponsored Session: Conference on Protein Structure and Function | Lorne, Australia | http://www.biochemistry.unimelb.edu.au/lorne/ | Lorne Protein Conference |
| 11 – 12 Feb | Process Validation for Biologicals | San Diego, California | http://www.lifesciencesinfo.com/2645 | IBC Life Sciences |
| 13 – 15 Feb | InfoTechPharma 2002 | London, United Kingdom | http://www.infotechpharma.com | IBC Life Sciences |
| 14 – 19 Feb | AAAS Annual Meeting and Science Innovation Exposition | Boston, Massachusetts | http://www.aaasmeeting.org | AAAS |
| 14 – 16 Feb | Tumor Prevention and Genetics – 2nd International Conference | St. Gallen, Switzerland | http://www.oncoconferences.ch | St. Gallen Oncology Conferences |
| 18 Feb | Science Career Fair | Boston, Massachusetts | http://www.sciencecareers.org | Science |
| 19 – 22 Feb | Workshop in Theoretical Chemistry 2002 – Density Functional-Theory, Time Independent and Time Dependent | Mariapfarr, Austria | http://www.kfunigraz.ac.at/tchwww/sax/mariapfarr | The Institute of Chemistry at the Karl-Franzens-University of Graz |
| 20 – 23 Feb | Annual Meeting of the Society for Research on Nicotine and Tobacco | Savannah, Georgia | http://www.srnt.org | Society for Research on Nicotine and Tobacco |
| 21 – 24 Feb | Ecology, Theology, and Judeo-Christian Environmental Ethics | Notre Dame, Indiana | http://www.nd.edu/~ecoltheo | Lilly Fellows Program in Humanities and the Arts |
| 26 – 27 Feb | Breakthrough Breast Cancer Genetic Anticancer Agents | London, United Kingdom | http://www.breakthrough.org.uk | Breakthrough Breast Cancer |
| 28 Feb – 2 Mar | 3rd International Symposium on Genetic Anticancer Agents | Amsterdam, The Netherlands | http://www.nddo.nl | New Drug Development Office Oncology |
| 28 Feb | UCSF Biotech Industry Day/ Career Fair | San Francisco, California | http://saawww.ucsf.edu/career | UCSF Career Center |
| March | | | | |
| 1 Mar | Sex Begins in the Womb– Regional Scientific Advisory Meeting | Palo Alto, California | http://www.womens-health.org/meetings.html | Society for Women's Health Research |

Science 2002 Scientific Events Calendar

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|----------------|--|--|---|--|
| 1 Mar – 30 Nov | Cold Spring Harbor Laboratory Advanced Courses in Biological Sciences | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 4 – 6 Mar | ScreenTech | San Diego, California | http://www.lifesciencesinfo.com/screentech | IBC Life Sciences |
| 4 – 7 Mar | 4th European LIMS Forum | London, United Kingdom | http://www.eurolims.com | Masswick Ltd |
| 9 – 12 Mar | Biomolecular Technologies: Tools for Discovery in Proteomics and Genomics | Austin, Texas | http://www.faseb.org/meetings/abrf2002 | Association of Biomolecular Resource Facilities |
| 11 Mar | 2002 Society for Biomolecular Screening Regional Meeting | Research Triangle Park, North Carolina | awilson@sbsonline.org | Society for Biomolecular Screening |
| 11 – 14 Mar | The Power of Small Tech: The Energy Efficient Solution | Phoenix, Arizona | http://www.smalltimes.com/power2002 | Small Times Media |
| 12 – 13 Mar | Biomaterials – The Next Frontiers: Biomedical, Bioelectronic, Biomineralization, Bioanalytical | Newark, Delaware | http://www.udel.edu/engg/outreach/Biomaterials.htm | University of Delaware, Engineering Outreach |
| 12 – 15 Mar | Bio IT World | Boston, Massachusetts | http://www.bioitworld.com | IDG World Expo |
| 13 – 14 Mar | University of Chicago/Northwestern University Career Forum | Chicago, Illinois | http://caps.uchicago.edu/general/sciencefairindex.html | University of Chicago/Northwestern University |
| 13 – 16 Mar | NNI-NUS Neuroscience Symposium | Singapore | Junia_Heng@tsh.com.sg | National Neuroscience Institute |
| 14 Mar | SOPs in Clinical Research | London, United Kingdom | http://www.henrystewart.co.uk | Henry Stewart |
| 14 – 15 Mar | Proteomics – The New Frontiers | Newark, Delaware | http://www.udel.edu/engg/outreach/Proteomics.htm | University of Delaware, Engineering Outreach |
| 14 – 17 Mar | New Horizons In Molecular Imaging: Genes, Probes, & Disease | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 18 – 21 Mar | 12th Annual West Coast Conference on Contaminated Soils, Sediments and Water | San Diego, California | http://www.aehs.com | Association for Environmental Health and Sciences |
| 18 – 19 Mar | New York Biotechnology Association's 11th Annual Meeting | New York, New York | http://www.nyba.org | New York Biotechnology Association |
| 18 – 22 Mar | Emerging Microarray Technologies and Applications | San Diego, California | http://www.LifeSciencesInfo.com/2712/?source=2712-40 | IBC USA Conferences, Inc. |
| 19 – 20 Mar | 2nd Annual Postdoc Network National Meeting | Washington, DC | http://nextwave.sciencemag.org/feature/ | Science's Next Wave |
| 21 – 24 Mar | International Conference on Modern Algebra | Nashville, Tennessee | http://www.math.vanderbilt.edu/~algcon02/ | Vanderbilt University |
| 22 – 24 Mar | Viruses, Oncogenes, and Cancer: A Symposium in Honor of Peter K. Vogt's 70th Birthday | La Jolla, California | http://www.scripps.edu/mem/oncovir/vogt/Symposium/InhonorofPeter.html | Scripps Research Institute |
| 24 – 29 Mar | NOBCChE (National Organization for the Professional Advancement of Black Chemists and Chemical Engineers) | New Orleans, Louisiana | http://www.nobcche.org | NOBCChE |
| April | | | | |
| 4 – 6 Apr | Tennessee Biotechnology Association/Tennessee Biomedical Engineering Consortium (TBA/TENNBECE) Joint Meeting | Memphis, Tennessee | cmeoffice@mcmail.vanderbilt.edu | Vanderbilt University |
| 5 – 6 Apr | International Conference on Conflict of Interest and its Significance in Science and Medicine | Warsaw, Poland | http://immuno.iitd.pan.wroc.pl/ | State Committee for Research |
| 5 – 9 Apr | 12th International Symposium on Bioluminescence & Chemiluminescence | Cambridge, United Kingdom | http://www.lumiweb.com | Cambridge Research and Technology Transfer Ltd |
| 5 Apr – 6 May | Bial Foundation's 4th Symposium | Porto, Portugal | http://www.bial.com | Bial Foundation |
| 6 – 11 Apr | Neurochemistry Winter Conference 2002 | Sölden (Ötztal), Austria | http://www.sambax.com | Division of Neurochemistry University of Innsbruck |

Science 2002 Scientific Events Calendar



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|-------------------|---|------------------------------------|---|---|
| 6 – 10 Apr | American Association for Cancer Research | San Francisco, California | http://www.aacr.org | American Association for Cancer Research |
| 7 – 11 Apr | American Chemical Society | Orlando, Florida | http://www.acs.org | American Chemical Society |
| 8 – 11 Apr | 21st Meeting of the British Endocrine Societies | Harrogate, United Kingdom | http://www.endocrinology.org | Society for Endocrinology |
| 8 – 12 Apr | SEB Annual Main Meeting | Swansea, United Kingdom | http://www.sebiology.org | Society for Experimental Biology |
| 12 – 14 Apr | International Scientific Conference of Complementary, Alternative, & Integrative Medicine Research | Boston, Massachusetts | http://www.compmed.caregroup.org/sci-conf/ | Harvard Medical School |
| 12 – 13 Apr | The 8th Cincinnati Neurofest | Cincinnati, Ohio | deborah.cummins@uc.edu | University of Cincinnati Neuroscience Graduate Program |
| 14 – 17 Apr | HGM2002 HUGO's 7th International Conference on the Human Genome | Shanghai, China | http://hgm2002.hgu.mrc.ac.uk | The Human Genome Organization |
| 14 – 17 Apr | Immune Mechanisms and Disease | St. Georges, Grenada | http://www.nyas.org | New York Academy of Sciences |
| 15 – 18 Apr | Drug Discovery Technology – Europe | Stuttgart, Germany | http://www.drugdisc.com | IBC Life Sciences |
| 15 – 17 Apr | 17th Long Ashton International Symposium | Bristol, United Kingdom | http://www.iacr.bbsrc.ac.uk/lars/liaison/tmeetings.html | Institute of Arable Crops Research – Long Ashton Research Station |
| 17 – 21 Apr | Evolution of Developmental Diversity | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 18 – 21 Apr | Texas Genetics Society 29th Annual Meeting | South Padre Island, Texas | http://www.shsu.edu/~org_tgs/ | Texas Genetics Society |
| 20 – 24 Apr | ASIP Annual Meeting at Experimental Biology 2002 | New Orleans, Louisiana | http://asip.uthscsa.edu/ | American Society for Investigative Pathology |
| 20 – 24 Apr | Experimental Biology | New Orleans, Louisiana | http://www.faseb.org | FASEB |
| 21 – 24 Apr | Biohydrogen 2002 | Ede, The Netherlands | http://www.ftns.wau.nl/prock/Research/Rene/Conferences.htm | Marine Biotechnology Group |
| 21 – 25 Apr | Drug Analysis 2002 Symposium | Bruges, Belgium | http://www.DA2002.org | Orga-Med |
| 23 – 24 Apr | SOPs in Clinical Research | Washington, DC | http://www.henrystewart.co.uk | Henry Stewart |
| 23 – 26 Apr | Analytica | Munich, Germany | http://www.analytica.de | Messe München GmbH |
| 24 – 28 Apr | Gene Expression and Signaling in the Immune System | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 24 – 27 Apr | Society for Biomaterials 28th Annual Meeting | Tampa, Florida | http://www.biomaterials.org | Society for Biomaterials |
| 25 – 26 Apr | 34th Annual Oak Ridge Conference – Cancer Detection and Monitoring: The Next Generation of Diagnostic Tools | La Jolla, California | http://www.aacc.org/meetings/oakridge/2002/ | AACC |
| May | | | | |
| 1 – 3 May | 8th National Symposium: Basic Aspects of Vaccines | Bethesda, Maryland | http://wrair-www.army.mil/symposia/dmbsym.htm | WRAIR |
| 1 – 4 May | Health Disparities in AIDS in the Caribbean | San Juan, Puerto Rico | http://www.psm.edu/aidspsm | Ponce School of Medicine/Aids Research Lab |
| 1 – 5 May | Molecular Chaperones and the Heat Shock Response | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 2 – 4 May | 2nd Annual International IEEE – EMBS Special Topic Conference on Microtechnologies in Medicine and Biology | Madison, Wisconsin | http://mmb.bme.wisc.edu/mmb2002/ | IEEE, EMBS |
| 5 – 8 May | The 11th International Cyclodextrin Symposium | Reykjavik, Iceland | http://www.cyclodextrin.is/CD2002 | University of Iceland |
| 6 – 8 May | 5th Annual Conference on Vaccine Research | Baltimore, Maryland | http://www.nfid.org/conferences/vaccine02 | National Foundation for Infectious Diseases |
| 6 – 9 May | Tides: Oligonucleotide and Peptide Technology Conferences | Las Vegas, Nevada | http://www.lifesciencesinfo.com/tides | IBC Life Sciences |

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| Date | Event | Location | For Information | Event Host |
|-----------------|--|------------------------------|---|---|
| 6 – 9 May | Proteomics | Philadelphia, Pennsylvania | http://www.lifesciencesinfo.com/proteomics | IBC Life Sciences |
| 7 – 11 May | Genome Sequencing & Biology | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 8 – 9 May | ERBs 4th Annual Cambridge Biopartnering Exchange – Company and partnering presentations from Europe's leading biotech region | Hinxton, United Kingdom | http://www.erbi.co.uk | Eastern Region Biotechnology Initiative Limited |
| 8 – 11 May | Molecular Genetics of Development | Warrenton, Virginia | cduffy@helix.nih.gov | Dr. Heiner Westphal & Dr. Igor Dawid |
| 12 – 15 May | Microbicides 2002 | Antwerp, Belgium | http://www.itg.be/micro2002 | Institute of Tropical Medicine |
| 12 – 14 May | Canadian Pharmacists Association Annual Conference | Winnipeg, Canada | http://www.pharmacists.ca | Canadian Pharmacists Association |
| 13 – 14 May | Meeting the Challenges of the Future: A Discussion between "The Two Cultures" | London, United Kingdom | http://www.balzan.it | International Balzan Foundation |
| 13 – 16 May | Phacilitate Vaccine Forum Spring 2002 | Paris, France | http://www.phacilitate.co.uk | Phacilitate Limited |
| 15 – 19 May | The Cell Cycle | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 17 – 23 May | MLA '02, Medical Library Association Annual Meeting | Dallas, Texas | http://www.mlanet.org | Medical Library Association |
| 17 – 22 May | 3rd International Conference on Signal Transduction | Cavtat-Dubrovnik, Croatia | http://www.icst.irb.hr | Ruder Boskovic Institute |
| 19 – 22 May | Proteomics: The Next Grand Biological Challenge | Nashville, Tennessee | http://medschool.mc.vanderbilt.edu/proteomics/ | Vanderbilt University |
| 19 – 23 May | American Society for Microbiology | Salt Lake City, Utah | http://www.asm.org | American Society for Microbiology |
| 21 – 25 May | 18th Annual Meeting on Oncogenes | La Jolla, California | http://www.salk.edu/meetings.html | The Salk Institute |
| 21 – 26 May | Retroviruses | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 25 – 29 May | 29th European Symposium on Calcified Tissues | Zagreb, Croatia | http://www.ectsoc.org | European Calcified Tissue Society |
| 27 – 30 May | MipTec 2002: The Leading European Event on Enabling Technologies for Drug Discovery | Basel, Switzerland | http://www.miptec.com | Convention Center Basel |
| 28 – 31 May | Global Health Council's 29th Annual Conference: Global Health in Times of Crisis | Washington, DC | http://www.globalhealth.org | Global Health Council |
| 29 – 31 May | Cancer Epigenetics Workshop | Madrid, Spain | http://www.cnio.org | Spanish National Cancer Center |
| 29 May – 1 Jun | 3rd International Conference on the Epididymis | Charlottesville, Virginia | http://hsc.virginia.edu/epididymis-III/ | University of Virginia School of Medicine and American Society of Andrology |
| 29 May – 3 Jun | 67th Symposium: The Cardiovascular System | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 30 May – 30 Aug | Research Experience for Undergraduates at the Santa Fe Institute | Santa Fe, New Mexico | http://www.santafe.edu/sfi/education/reus/reus02/announce.html | Santa Fe Institute |
| June | | | | |
| 1 – 4 Jun | 11th World Congress on Human Reproduction | Montreal, Canada | http://www.HumanRep2002.com | McGill University |
| 1 – 8 Jun | SCRM 2002 International Conference on Superconductivity, CMR & Related Materials | Giens, France | http://www.mpi-stuttgart.mpg.de/conf/giens/SCRM2002.ht | A. Bussmann-Holder |
| 3 – 14 Jun | 3rd Advanced Vaccinology Course | Veyrier-du-lac, France | http://www.fond-merieux.org | Fondation Mérieux |
| 4 – 5 Jun | Global Cure 2002 | Frankfurt am Main, Germany | http://www.global-cure.com | Maleki Group |
| 5 – 8 Jun | 14th ZMBH Forum | Heidelberg, Germany | forum@zmbh.uni-heidelberg.de | Center for Molecular Biology (ZMBH) |
| 6 – 8 Jun | 1st International Symposium on Signal Transduction Inhibition Modulators in Cancer Therapy | Amsterdam, The Netherlands | http://www.nddo.nl | New Drug Development Office Research Foundation |
| 6 – 8 Jun | RicEUconf – Dissemination Conference of Current European Research on Rice | Turin, Italy | http://www.fobiotech.org | Fondazione per le Biotecnologie |
| 9 – 13 Jun | BIO 2002 (Biotechnology Industry Organization) | Toronto, Canada | http://www.bio.org | BIO |
| 10 – 14 Jun | 10th World Congress on the Menopause | Berlin, Germany | menopause@cpo-berlin.de | CPO Hanser Service |

Science 2002 Scientific Events Calendar



| Date | Event | Location | For Information | Event Host |
|-----------------------|--|-------------------------------------|---|---|
| 17 – 21 Jun | Charles River Laboratories 16th Annual Short Course on Laboratory Animals plus Rodent Production and Basic Surgical Skills Workshops | Danvers, Massachusetts | http://www.criver.com/events/shortcourse/index.html | Charles River Laboratories |
| 24 – 26 Jun | Bone and Tooth Society Annual Meeting | Cardiff, United Kingdom | http://www.batsoc.org.uk | Bone and Tooth Society |
| 29 Jun – 3 Jul | ELSO 2002 | Nice, France | http://www.elso.org | European Life Scientist Organization |
| 30 Jun – 5 Jul | Sensory coding and the natural environment: Probabilistic models of perception | South Hadley, Massachusetts | http://www.klab.caltech.edu/~pam/NSS2002.htm | Gordon Research Conferences |
| 30 Jun – 7 Jul | British Cancer Research Meeting 2002 | Glasgow, United Kingdom | http://www.icr.ac.uk/bacr/BCRM/BCRM.html | BCRM |
| July | | | | |
| 1 – 3 Jul | ECM III Cartilage & Joint Repair Tutorials, Basic Research & Clinical Methods | Davos, Switzerland | http://www.aofoundation.org/events/ao/ecm/index.shtml | European Cells and Materials |
| 1 – 5 Jul | Fuel Cell 2002 | Lucerne, Switzerland | http://www.efcf.com | European Fuel Cell Forum |
| 7 – 12 Jul | International Conference on Laser Probing (LAP-2002) | Leuven, Belgium | http://www.kuleuven.ac.be/lap2002/ | LAP-2002 Secretariat |
| 7 – 12 Jul | 20th International Conference on Organometallic Chemistry | Corfu, Greece | http://www.eie.gr/iopc/icomc/ | Institute of Organic and Pharmaceutical Chemistry |
| 7 – 12 Jul | 14th International AIDS Conference | Barcelona, Spain | http://www.aids2002.com | International AIDS Society |
| 9 – 11 Jul | MicroScience 2002 – Where Science Meets Microscopy | London, United Kingdom | http://www.microscience2002.org.uk | Royal Microscopical Society |
| 14 Jul – 3 Aug | University of Cambridge Science Summer School | Cambridge, United Kingdom | http://www.cont-ed.cam.ac.uk/IntSummer | The University of Cambridge |
| 20 – 25 Jul | 29th International Symposium on Controlled Release of Bioactive Materials | Seoul, Korea | http://www.controlledrelease.org | Controlled Release Society |
| 21 – 25 Jul | Society for Developmental Biology 61st Annual Meeting | Madison, Wisconsin | http://www.sdbonline.org | Society for Developmental Biology |
| 24 – 27 Jul | 24th Annual Meeting of the International Society for Heart Research (ISHR), North American Section: Translational Approaches to Cardiovascular Disease | Madison, Wisconsin | http://www.ISHR2002conf.org | UW Cardiovascular Research Center |
| 27 Jul – 1 Aug | The World of Microbes | Paris, France | http://www.iums-paris-2002.com | International Union of Microbiological Societies |
| 31 Jul – 3 Aug | 21st Symposium – Xenobiotic Receptors in Toxicology and Carcinogenesis | University Park, Pennsylvania | http://www.bmb.psu.edu/outreach.htm | Penn State University |
| August | | | | |
| 4 – 9 Aug | Drug Discovery Technology World Congress | Boston, Massachusetts | http://www.drugdisc.com | IBC Life Sciences |
| 4 – 9 Aug | Masterclass in Clinical Oncology | Tuscany, Italy | http://www.cancerworld.org | European School of Oncology |
| 4 – 9 Aug | The 10th IUPAC International Congress on the Chemistry of Crop Protection | Basel, Switzerland | http://www.syngenta.com/iupac2002 | Syngenta |
| 4 – 9 Aug | 6th World Congress of Theoretically Oriented Chemists | Lugano, Switzerland | http://www.watoc02.ch/ | ETHZ/CSCS/USI |
| 5 Aug | Science Career Fair | Boston, Massachusetts | http://www.sciencecareers.org | Science |
| 5 – 9 Aug | 37th European Marine Biology Symposium | Reykjavik, Iceland | http://www.37embs.is | University of Iceland |
| 14 – 18 Aug | Cancer Genetics & Tumor Suppressor Genes | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 17 – 21 Aug | Symposium of the Protein Society | San Diego, California | http://www.faseb.org | FASEB |
| 18 Aug – 15 Sep | Baltic Summer School 2002 | Copenhagen, Denmark | http://www.balticsummerschool.org | Baltic Summer School |
| 18 – 22 Aug | American Chemical Society | Boston, Massachusetts | http://www.acs.org | American Chemical Society |
| 20 – 25 Aug | Molecular Genetics of Bacteria & Phages | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |

Science 2002 Scientific Events Calendar

| Date | Event | Location | For Information | Event Host |
|----------------------|---|-------------------------------------|---|---|
| 28 – 31 Aug | ESBES – 4: 4th European Symposium on Biochemical Engineering Science | Delft, The Netherlands | http://www.esbes4.tnw.tudelft.nl | European Federation of Biotechnology Section on Biochemical Engineering Science |
| 28 Aug – 1 Sep | Mouse Molecular Genetics | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 31 Aug – 4 Sep | ESC Berlin 2002 | Berlin, Germany | http://www.escardio.org | European Society of Cardiology |
| September | | | | |
| 4 – 7 Sep | BiolInterface 2002 | Scottsdale, Arizona | http://www.surfaces.org | Surfaces in Biomaterials Foundation |
| 8 – 10 Sep | BACR Special Conference | Oxford, United Kingdom | http://www.icr.ac.uk/bacr/home.htm | British Association for Cancer Research |
| 9 – 11 Sep | Natural and Cultural Landscapes: The Geological Foundation | Dublin, Ireland | http://www.ria.ie | Royal Irish Academy |
| 9 – 13 Sep | The BA Festival of Science | Leicester, United Kingdom | http://www.the-ba.net | The BA |
| 9 – 13 Sep | 11th UN/ESA Workshop on Basic Space Science | Cordoba, Argentina | http://www.seas.columbia.edu/~ah297/un-esa/ | UN and European Space Agency |
| 10 – 15 Sep | Translational Control | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 16 – 20 Sep | 18th European Workshop on Drug Metabolism | Valencia, Spain | http://www.esbp.org/DMW2002.htm | European Society of Biochemical Pharmacology |
| 18 – 22 Sep | Dynamic Organization of Nuclear Function | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 21 – 23 Sep | 31st Annual Meeting American College of Clinical Pharmacology | San Francisco, California | http://www.ACCP1.org | American College of Clinical Pharmacology |
| 22 – 26 Sep | Society for Biomolecular Screening 8th Annual Meeting & Exhibition | The Hague, The Netherlands | http://www.sbsonline.org | Society for Biomolecular Screening |
| 23 – 25 Sep | 1st International Symposium on Signal Transduction Modulators in Cancer Therapy | Amsterdam, The Netherlands | http://www.nddo.nl | New Drug Development Office Research Foundation |
| 25 – 29 Sep | Axon Guidance & Neural Plasticity | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 26 – 28 Sep | 2nd Annual Conference on Mesenchymal and Nonhematopoietic Stem Cells: Recent Progress and Current Controversies | New Orleans, Louisiana | edwin.horwitz@stjude.org | Edwin Horwitz, M.D. |
| 27 – 30 Sep | ICAAC (Interscience Conference on Antimicrobial Agents and Chemotherapy) | San Diego, California | http://www.icaac.org | ICAAC |
| 30 Sep – 2 Oct | The Cell Cycle and Cancer | Madrid, Spain | http://www.cnio.es | Spanish National Cancer Center |
| October | | | | |
| 2 – 5 Oct | Genome Sequencing & Analysis Conference | Boston, Massachusetts | http://www.tigr.org | The Institute for Genomic Research |
| 2 – 6 Oct | Molecular Genetics of Aging | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 3 – 5 Oct | 18th Annual Meeting | Greenville, South Carolina | http://www.surgicalresearch.org | Academy of Surgical Research |
| 9 Oct | British Mastitis Conference | United Kingdom | http://www.iah.bbsrc.ac.uk/bmc | Institute for Animal Health |
| 10 – 13 Oct | 16th Annual Conference of the Society for Literature and Science | Pasadena, California | http://SLS-2002.caltech.edu | Society for Literature and Science |
| 10 – 13 Oct | Germ Cells | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 11 – 15 Oct | Molecular Targets for Cancer Therapy and Prevention: 2nd Biennial Meeting | St. Petersburg Beach, Florida | http://www.moffitt.usf.edu | Moffitt Cancer Center |
| 11 – 14 Oct | 4th International Symposium on Microscale Separations and Analysis, APCE2002 | Shanghai, China | http://www.chip-bioanalysis.com/apceindex.asp | Chip-based Bioanalysis Group, Dalina Institute of Chemical Physics |
| 12 – 15 Oct | Current Technologies for Gene Expression Analysis | Nashville, Tennessee | cmeoffice@mcmail.vanderbilt.edu | Vanderbilt University |

Visit www.sciencemeetings.org

Data compiled by the Science Business Office

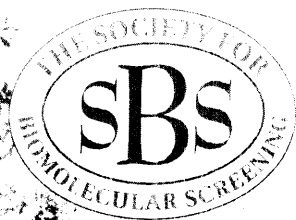
Science 2002 Scientific Events Calendar



| Date | Event | Location | For Information | Event Host |
|----------------------|---|--|---|---|
| 13 – 15 Oct | 10th Annual BioPartnering Europe | London, United Kingdom | http://www.techvision.com | Technology Vision Group LLC |
| 13 – 17 Oct | FACSS 2002 | Providence, Rhode Island | http://facss.org | Federation of Analytical Chemistry and Spectroscopy Societies |
| 15 – 19 Oct | The American Society of Human Genetics 52nd Annual Meeting | Baltimore, Maryland | http://www.ashg.org | American Society of Human Genetics |
| 18 – 22 Oct | 27th ESMO Congress (European Society for Medical Oncology) | Nice, France | http://www.esmo.org | ESMO |
| 21 – 23 Oct | EUFEPS 2002 New Safe Medicines Faster | Stockholm, Sweden | http://www.eufeps.org | European Federation for Pharmaceutical Sciences |
| 23 – 27 Oct | Academy of Molecular Imaging (AMI) 2002 Annual Conference | San Diego, California | http://www.ami-imaging.org | Academy of Molecular Imaging (AMI) |
| 23 – 25 Oct | DNA VACCINES 2002 – The Genetic Vaccination Conference | Edinburgh, United Kingdom | http://www.meetingsmanagement.com | Meetings Management |
| 27 – 31 Oct | Chips to Hits | Philadelphia, Pennsylvania | http://www.chipstohits.com | IBC Life Sciences |
| 30 Oct – 3 Nov | Human Origins & Disease | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| November | | | | |
| Nov – Dec | Mechanisms of Metastasis | Madrid, Spain | http://www.cnio.es | Spanish National Cancer Center |
| 2 – 7 Nov | Neuroscience | Orlando, Florida | http://www.sfn.org | Society for Neuroscience |
| 6 – 9 Nov | The 4th Triple Helix Conference – Breaking Boundaries, Building Bridges | Copenhagen, Denmark & Lund, Sweden | http://www.triplehelix.dk | Copenhagen Business School, Lund University & Chalmers University of Technology |
| 7 – 10 Nov | History of Science Society and Philosophy of Science Association Joint Conference | Milwaukee, Wisconsin | http://hssonline.org | History of Science Society |
| 7 – 9 Nov | Towards a Smarter Tomorrow (SCI Canada Centennial Conference) | Toronto, Canada | http://www.soci.org/smartertomorrow | Society of Chemical Industry and the University of Toronto |
| 10 – 14 Nov | American Association of Pharmaceutical Scientists Annual Meeting and Exposition | Toronto, Canada | http://www.aapspharmaceutica.org | American Association of Pharmaceutical Scientists |
| 13 – 16 Nov | The 4th Louis Pasteur Conference on Infectious Diseases: “Integrative Approaches in Microbial Pathogenesis” | Paris, France | http://www.pasteur.fr/infosci/conf/CLP4-form.html | Institut Pasteur |
| 14 – 16 Nov | San Diego Conference on New Technologies for Molecular Diagnostics | San Diego, California | http://www.aacc.org | American Association for Clinical Chemistry |
| 18 – 20 Nov | 12th International Symposium on ALS/MND | San Francisco, California | http://www.mndassociation.org | Motor Neurone Disease Association |
| 19 – 20 Nov | International Biotech | London, United Kingdom | http://www.internationalbiotech.com | IIR |
| 20 – 23 Nov | 2nd International Symposium on Progestins, Progesterone Receptor Modulators and Progesterone Antagonists | Siena, Italy | http://www.unisi.it/eventi/progestins | Institute of Hormone Research, Shaare Zedek Medical Center |
| December | | | | |
| 3 – 6 Dec | The British Society for Immunology and the British Society for Allergy & Clinical Immunology Joint Congress | Harrogate, United Kingdom | http://www.immunology.org | British Society for Immunology |
| 5 – 8 Dec | Therapeutic Opportunities in Neurodegenerative Diseases | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 12 – 15 Dec | Comparative Plant Genomics | Cold Spring Harbor, New York | http://www.cshl.org/meetings | Cold Spring Harbor Laboratory |
| 14 – 18 Dec | American Society for Cell Biology | San Francisco, California | http://www.ascb.org | American Society for Cell Biology |

Visit www.sciencemeetings.org

Data compiled by the Science Business Office



CALL FOR PAPERS

“High Information Content Screening”

**8TH Annual Conference and Exhibition
September 23-26, 2002**

**Netherlands Congress Centre
The Hague, The Netherlands**

PROPOSED TECHNICAL PROGRAM TOPICS:

Post-Genomic Target Identification & Pharmacogenomics
From Data to Knowledge: Machine Intelligence in Informatics
Novel Detection Technologies
Screening Philosophies: HTS Tips & Tricks
Trends in Automation, Miniaturization & Nanotechnology
Protein - Protein Interactions as Novel Drug Targets
Novel Screening Methods with High Information Content
Single Molecule Detection
High Throughput Chemistry - What Works Where
Screening & IP Issues
Metabolically Engineered Cells & Organisms: Their Role in the Discovery Process
Imaging Technologies for Live Cells, Tissues and Small Animals
Point/Counterpoint: Do Natural Products have an Important Place in Drug Discovery?
Point/Counterpoint: Virtual Screening vs. Wet Screening

INSTRUCTIONS FOR AUTHORS

All abstracts should be submitted electronically for oral and poster presentations for the 2002 conference. Information for submission will be available on our website at www.sbsonline.org.

DEADLINES

Oral Presentation submission, April 1, 2002.
Poster Presentation submission, June 1, 2002.
Nomination submission for the 2002/2003 Awards, May 1, 2002.
Visit our website at www.sbsonline.org for additional information.

The Society for Biomolecular Screening
36 Tamarack Avenue, #348, Danbury, CT 06811 U.S.A.
Tel: 203.743.1336 Fax: 203.748.7557
Email: email@sbsonline.org Website: www.sbsonline.org



High-Level Scientific

The European Commission's High-Level Scientific Conferences promote scientific and technological excellence by creating opportunities for scientific exchange by:

- **allowing senior researchers to impart their experience to the younger generation;**
- **creating a framework for the networking of EU researchers with scientists outside the Member and Associated States.**

These conferences are supported under the Human Potential Programme (IHP) with a budget of 35,5 Million Euro for events in any scientific field. Some 100,000 researchers are expected to benefit from IHP's support of the following types of events:

Types of conferences

EuroConferences

High-level meetings on a focused theme at the cutting edge of research; Support for events lasting up to 7 days; Up to 150 participants.

Euro Summer Schools

Advanced training for young researchers on a defined syllabus; multidisciplinary is particularly encouraged; Support for 30-day events at any time of year; Up to 150 participants.

EuroLabCourses

Advanced training in practical techniques in a laboratory or field environment; Support for events up to 30 days; Up to 50 participants, including lecturers; industry participation is particularly encouraged.

EuroWorkshops

Meetings to analyse the most recent research results and plan further developments; Support for meetings lasting up to 30 days; Up to 50 participants active in scientific fields of extreme dynamism.

Large Conferences

Funding is available to allow young researchers to attend large international events (more than 150 participants).

PhD EuroConferences

Support exclusively for young researchers to organise and participate in their own conference; Up to 150 participants at events of up to 7 days.

Eurotron Conferences

Events similar to one of the types above but held over the Internet. Extended series of events, and projects involving both physical and virtual events, are encouraged.

Who can participate?

To apply for funding for an event

Researchers wishing to organise their own "High-Level Scientific Conference" should apply to the European Commission for a Guide for Proposers and application form. Both are available from the Web site:

www.cordis.lu/improving

To apply to participate in a funded event

Interested researchers should make direct contact with the event organisers for help with travel, subsistence or participation fees for a particular event. An on-line database with the detailed list of conferences and the organisers contact details is available on our Web site. Please see under **Selected Conferences**.

Conferences

What does the funding cover?

Participation of young researchers (up to the age of 35 at the time of the event - allowance is made for childcare, compulsory military or civil service) who are nationals of, and active inside, a Member or Associated State (up to 100%);
 Participation of researchers, of any age, who are nationals of, but active outside, Member and Associated States (up to 100%);
 Participation of invited keynote speakers and organisers of any nationality (up to 50%);
 Expenses related to the organisation of events.

Deadline for organisers

1 February 2002

Proposals may be submitted at any time. Events can start no sooner than 6 months after the relevant deadline.

Frequently asked questions

Is 100% funding possible?

Normally this cannot be achieved. Therefore, proposers are advised to have at least one other source of funding to cover expenses that are not covered by the contract with the Commission.

How much money is awarded?

Normally, up to 50,000€ for each event. There is a limit of 280,000€ per project. Exceptions may be made in well-justified cases.

Which fields of research are eligible?

A proposal may be in any field of scientific research, provided there is a strong training element.

Where should events take place?

The events proposed, and the legal entity responsible for organising them, must be located in a Member or Associated State*.

*www.cordis.lu/fp5/src/3rdcountries.htm

Is there any flexibility in the guidelines?

Allowances can be made in well-justified cases.

How are proposals evaluated?

Proposals that meet the eligibility criteria are evaluated by a multidisciplinary panel of independent experts. For full details, please refer to the Guide for Proposers available on the Web site.

What success rate can we expect?

The predicted selection rate is at least a third of conference proposals.

Areas covered

Conferences can be on any scientific topic:

Physics
Chemistry
Life Sciences
Engineering Sciences
Environment & Geosciences
Economic, Social & Human Sciences
Mathematics & Information Sciences

EC contact

Dr Rudolf Meijer
 European Commission, Research DG
 Human Potential Programme
 High-Level Scientific Conferences
 SDME 1/69, Rue de la Loi 200
 B-1049 Brussels
 Belgium
 Fax +32 2 296 3308
 E-mail: improving@cec.eu.int
 Helpdesk: + 32 2 299 2164

All information on 'High-Level Scientific Conferences' at

www.cordis.lu/improving



IMPROVING HUMAN RESEARCH POTENTIAL AND
 THE SOCIO-ECONOMIC KNOWLEDGE BASE

AWARDS

**PASAROW FOUNDATION
2001 MEDICAL RESEARCH AWARDS**
Cancer, Cardiovascular Disease, Neuropsychiatry

The Foundation has established three yearly medical prizes for distinguished accomplishment in research in order to increase public awareness of vital areas of investigation. This is the fifteenth year of the awards program. Each award is for \$35,000, presented directly to the awardee.

The three prizes—one in each of the three fields—are given for basic and/or clinical research.

-Cancer: including basic cellular processes and the various forms of cancer. Past awardees:

Peter K. Vogt, Ph.D.; Irving L. Weissman, M.D.; George F. Vande Woude, Ph.D.; Erkki Ruoslahti, M.D.; Harold N. Weintraub, M.D., Ph.D.; Ronald M. Evans, Ph.D.; Stanley J. Korsmeyer, M.D.; Carlo M. Croce, M.D.; Alfred G. Knudson, Jr., M.D., Ph.D.; Robert A. Weinberg, M.D.; Eric S. Lander, D.Phil.; Paul L. Modrich, Ph.D.; Anthony S. Fauci, M.D.; and Alexander J. Varshavsky, Ph.D.

-Cardiovascular Disease: including disorders of the heart and vascular system. Past awardees:

Buton E. Sobel, M.D.; Harvey Feigenbaum, M.D.; Bernardo Nadal-Ginard, M.D., Ph.D.; Mordecai P. Blaustein, M.D.; Jonathan Seidman, Ph.D. and Christine Seidman, M.D.; Glenn A. Langer, M.D.; Philip Majerus, M.D.; Jan L. Breslow, M.D.; Kenneth R. Chien, M.D., Ph.D.; Michael A. Gimbrone, Jr., M.D.; Masashi Yanagisawa, M.D., Ph.D.; Mark T. Keating, M.D.; Eric N. Olson, Ph.D.; and Richard P. Lifton, M.D., Ph.D.

-Neuropsychiatry: including neuroscience of neurologic and mental disorders. Past awardees:

Nancy Wexler, Ph.D.; Eric R. Kandel, M.D.; Floyd E. Bloom, M.D.; Solomon H. Snyder, M.D.; Michael E. Phelps, Ph.D.; Patricia S. Goldman-Rakic, Ph.D.; Huda Akil, Ph.D. and Stanley Watson, M.D., Ph.D.; Arvid Carlsson, M.D., Ph.D. and Philip Seeman, M.D., Ph.D.; Stanley B. Prusiner, M.D.; Joseph T. Coyle, M.D.; Eric J. Nestler, M.D., Ph.D.; Fred H. Gage, Ph.D.; Michael I. Posner, Ph.D. and Marcus E. Raichle, M.D.; and Pasko Rakic, M.D., Ph.D.

The criterion for the Pasarow Medical Research Awards is evidence of extraordinary accomplishment and the likelihood of continuing outstanding achievement in biomedical science.

Nominators for the 2001 Award should provide three sets of materials each consisting only of a letter of no more than one page stating the rationale for the nomination and a copy of the nominee's curriculum vitae and bibliography. Applications will be reviewed by the Board of Directors in consultation with various medical scholars. Members of the Board of Directors are Jack D. Barchas, M.D., President and Chairman; Claire Pasarow, Chief Financial Officer; Kenneth R. Chien, M.D., Ph.D., University of California, San Diego; Brian E. Henderson, M.D., University of Southern California; Susan Pasarow, M.S.W., Lake Oswego; Judith L. Swain, M.D., Stanford University; and Joseph P. Van Der Meulen, M.D., University of Southern California. Inquiries can be addressed to Jack D. Barchas, M.D. at New York-Presbyterian Hospital-Weill Cornell Medical Center (212-746-3770). Nominations should be received by January 11, 2002:

**Robert J. and Claire Pasarow Foundation
c/o Annlouise Goodermuth
Weill Medical College, Cornell University
1300 York Avenue
Box 171, Room F-1231
New York, NY 10021**

AWARDS

**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 2, 2002, is March 30, 2002.

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 30, 2002. The winners will be announced in March 2002. 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.



8th National Symposium
BASIC ASPECTS OF VACCINES

May 1 – 3, 2002
To be held at the Uniformed Services
University of the Health Sciences,
Bethesda, Maryland

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

Regulatory Mechanisms

James P. Allison, Chair
Arlene Sharpe
Ethan Shevach
David Raulet

Adjuvants

Steve Reed, Chair
Eyal Raz
Alan Aderem
Robert Seder

Cancer Vaccines

Olivera Finn, Chair
Martin Cheever
Esteban Celis
Augusto Ochoa

**Therapeutic Vaccines against
Alzheimer's and Other Chronic
Diseases**

John Schiller and
David Morgan, Co-Chairs
Martin Kast
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**Mechanisms of Antibody-Mediated
Therapy and Protection**

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Cold Spring Harbor Laboratory 2002 Meetings & Courses

Meetings

Evolution of Developmental Diversity
April 12 - 23

Gene Expression and Signaling
in the Immune System
April 24 - 28

Molecular Chaperones and the
Heat Shock Response
May 1 - 5

Genome Sequencing & Biology
May 7 - 11

The Cell Cycle
May 15 - 19

Retroviruses
May 21 - 26

5th Symposium:
The Cardiovascular System
May 29 - June 3

Cancer Genetics & Tumor
Suppressor Genes
August 14 - 18

Molecular Genetics of Bacteria & Phage
August 20 - 25

Mouse Molecular Genetics
August 28 - September 1

Translational Control
September 10 - 15

Dynamic Organization of Nuclear Function
September 18 - 22

Axon Guidance & Neural Plasticity
September 25 - 29

Molecular Genetics
October 2 - 6

Germ Cells
October 9 - 13

Human Origins &
October 30 - November 3

Biotechnology
November 10 - 14

New Horizons in Molecular
Genetics, Probes, & DNA
March 14 - 17

Tissue Engineering
November 21 - 24

Therapeutic Opportunities
Neurodegenerative Diseases
December 5 - 8

Comparative Plant
December 12 - 15

Spring Courses

Application Deadline: January 15, 2002

Acquiring & Analyzing Genomic
Sequence Data
March 12 - 28

Protein Purification & Characterization
April 3 - 16

Cell & Developmental Biology of *Xenopus*
April 6 - 16

Summer Courses

Application Deadline: March 15, 2002

Genetic-Epidemiological Studies of
Complex Diseases
June 5 - 11

Advanced Bacterial Genetics
June 5 - 25

Molecular Embryology of the Mouse
June 5 - 25

Physiological Approaches to
Ion Channel Biology
June 5 - 25

Computational Neuroscience: Vision
June 13 - 26

Making & Using DNA Microarrays
June 18 - 25

Biology of Developmental Disabilities
June 28 - July 3

Mouse Behavioral Analysis
June 28 - July 11

Arabidopsis Molecular Genetics
June 28 - July 18

Molecular Cloning of Neural Genes
June 28 - July 18

Neurobiology of *Drosophila*
June 28 - July 18

Molecular Mechanisms of Human
Neurological Diseases
July 6 - 12

Drosophila Genetics & Genomics
July 14 - 27

C. Elegans
July 23 - August 12

Eukaryotic Gene Expression
July 23 - August 12

Imaging Structure & Function in
the Nervous System
July 23 - August 12

Yeast Genetics
July 23 - August 12

Stem Cells
July 30 - August 12

Fall Courses

Application Deadline: July 15, 2002

Bioinformatics: Writing Software for
Genome Research
October 16 - 29

Macromolecular Crystallography
October 16 - 29

Immunocytochemistry, *In Situ*
Hybridization & Live Cell Imaging
October 19 - November 1

Phage Display of Combinatorial
Antibody Libraries
November 5 - 18

Proteomics
November 5 - 18

Computational Genomics
November 6 - 11

Cold Spring Harbor Laboratory

Meetings & Courses Programs, 1 Bungtown Road, Cold Spring Harbor, NY 11724
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2002 SUMMER RESEARCH FELLOWSHIPS

FUNDING AVAILABLE FOR SUMMER RESEARCH AT THE MARINE BIOLOGICAL LABORATORY

The Marine Biological Laboratory is pleased to announce the availability of funding for Summer Research Fellowships in 2002 for junior or senior investigators holding a Ph.D., M.D., or equivalent degree. These prestigious awards provide costs for research and housing, and also enable Fellows to benefit from the rich intellectual and interactive environment of the scientific community at the MBL.

Proposals for Fellowship support will be considered in, but are not limited to, the following fields of investigation:

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Parasitology
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Ecology
Microbiology

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ADDITIONAL INFORMATION IS AVAILABLE ON OUR WEB-SITE:

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Applications are reviewed by the MBL Fellowship Committee. Notification of decisions will be mailed by March 15.

FOR APPLICATION FORMS AND ADDITIONAL
INFORMATION, PLEASE CONTACT:
Sandra Kaufmann
Fellowship Coordinator
508-289-7441; skaufman@mbi.edu

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Marine Biological Laboratory, 7 MBL Street, Woods Hole, Massachusetts 02543-1015

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- From Sequence and Structure to Function
- Protein Networks
- Elucidating Protein Pathways

WORKSHOPS

- Mass Spectrometry Imaging
- Identifying Components in Complex Protein Mixtures
- Sequence Mining
- Intramolecular Distance with Lasers
- 2D Gels and Data Analysis



SPEAKERS KEYNOTE SPEAKER, **Leroy Hood, MD, PhD**

Natalie Ahn, PhD
Patricia Babbitt, PhD
Richard Caprioli, PhD
Walter Chazin, PhD
Craig Crews, PhD
Aled Edwards, SG
David Friedman, PhD
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Phil Hieter, PhD
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Gavin MacBeath, PhD
Steve Mayo, PhD
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Michael Snyder, PhD
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For a full list of speakers, session topics, and workshops, please visit our website, <http://medschool.mc.vanderbilt.edu/proteomics/>
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Organizers

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Keynote Lecture
Günter Blobel, USA

Topics

Protein Phosphorylation
Protein Posttranslational Modifications
Functional Genomics and Proteomics
GTPases and MAP Kinases
Nuclear Signaling
Neuroscience
Development and Disease
Immunology
Live Imaging - Topic of 2002

Deadlines

Application: March 1, 2002, Early registration: March 15, 2002

Online Application & Abstract Submission:
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Eastern European participants will have a reduced registration fee. Special registration fee will be offered to students.

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Conducts advanced theoretical research of importance to the Navy in the field of theoretical chemistry. Formulates and solves exceptionally difficult problems in: shock-induced chemistry and detonations; nanometer scale structures including nanowires; and, conducting polymers and related reduced dimensional conductors.

HRSC Code 53.6 CJ Att: NRL-01-0070

Senior Scientist for Advanced Electro-Optical Imaging Sensors Washington, DC

Provides guidance and direction for a research program in electro-optical imaging systems. Areas of responsibility include large area focal plane arrays, advanced multi- and hyper-spectral infrared visualization of composite imagery, and super-resolution techniques for image sequences.

HRSC Code 53.6CJ Att: NRL-01-0069

Senior Scientist for Structural Acoustics Washington, DC

Solves exceptionally difficult problems with regard to the advancement of the science and mathematical techniques to formulate and execute research programs focused on submarines, their sonars and signature reduction technologies, acoustic performance ranges, torpedo weapon systems, mine warfare detection and identification systems, interior aircraft noise reduction, satellite payload acoustic damage mitigation, and acoustic monitoring systems.

HRSC Code 53.6CJ Att: NRL-01-0068

Senior Scientist for Radiation Physics and High Energy Density Materials Washington, DC

Conducts a multidisciplinary research program pushing the frontiers of plasma radiation sources and plasma discharges, with particular emphasis on applications to nuclear weapons effect simulation, advanced weapons, sensors and detectors, high intensity lamps, methodologies for neutralizing chemical and biological agents, materials plasma processing and advanced diagnostics. Uses theoretical and computational plasma physics and radiation and atomic physics to advance the field of plasma and materials processing technologies, including neutralizing chemical and biological agents.

HRSC Code 53.6 CJ Att: NRL-01-0071

Applicants should be recognized as national/international authorities in their specialty, have planned and executed difficult programs of national significance or specialized programs that show outstanding attainments in their field of research or consultation. Salaries range from \$95,652.00 to \$125,700.00 (plus locality pay) per year. Detailed resumes or application documentation must reach offices listed above by 3 January 2002. For additional information regarding this announcement, prior to applying, contact the HRSC at 215-408-4451 or extension 5224 (Telecommunication Device for the Deaf/Hard of Hearing).

Visit NRL's Executive Search website at <http://www.jobs.nrl.navy.mil/>



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CHEMISTRY & BIOLOGY OF TETRAPYRROLES
July 14-19, 2002, Salve Regina University, RI

ELECTRONIC PROCESSES IN ORGANIC MATERIALS
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JW Marriott Hotel - Houston, Texas

Keynote Address, Philip Beachy; **Assembly and Remodeling**, Erhard Hohenester, Zena Werb, Kevin Campbell, Jouni Uitto, Craig C. Garner; **ECM and Signaling**, Fillippo Giancotti, Peter Carmeliet, Erkki Ruoslahti, Eric Brown, Joan Brugge; **Migration and Motility**, Peter Friedl, Douglas A. Lauffenburger, Ruth Lehmann; **Cell Differentiation and Cell Fate**, Francesco Ramirez, Charles Emerson, James Kramer; **Structural Biology of ECM Components**, Timothy Springer, Iain Campbell, Wolfram Bode; **ECM, Infection and Host Defense**, Ralph Isberg, David Denhardt, Anne J. Ridley; **Cell Adhesion Mechanisms**, Ivan Stamenkovic, Reinhard Fässler, Joshua Sanes; **ECM and Vascular Biology**, Luisa Iruela-Arispe, Alan Rapraeger, David Cheresch; **ECM and Skeletal Development**, Matthew L. Warman, Stefan Mundlos, Andrew McMahon; **Degenerative and Chronic Diseases Involving ECM**, Daniel Rifkin, Hal Dietz, Rikard Holmdahl. Additional speakers to be chosen from abstracts.

Abstract Deadline: August 15, 2002

Advanced Registration Deadline: August 15, 2002

Further information available at:

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Madrid, November 18-20, 2002

CHAIRS: Dr. Joan Massagué and Dr. Richard Hynes

Detailed information and programme:
<http://www.cnio.es>
Applications are now closed though we are preparing a stand-by list, in the instance of last minute cancellations. Interested parties should send a short curriculum vitae (including a list of the main publications), and a brief description of current research (maximum 1 page), to Beatriz Ferreiro:
e-mail: symposium@cnio.es,
as soon as possible.

Participants: Places will be limited to a maximum of 25 for each conference, no registration fee required. For enquiries surrounding application please contact Beatriz Ferreiro, e-mail: ccc@cnio.es. For general enquiries regarding our forthcoming programmes and exhibition opportunities, please contact Amanda Wren, e-mail: ccc@cnio.es. Information surrounding all our forthcoming CNIO Cancer Conferences will be continually updated on our website <http://www.cnio.es>



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AWARDS



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Postdoctoral Fellowship Award Available

The Dorothy M. Davis Heart and Lung Research Institute at The Ohio State University announces competition for the 2002-04 Davis Fellowship Award. Distinguished applicants must be at postgraduate level (Ph.D. and/or M.D.), pursuing a career in scientific research in cardiovascular or lung diseases. The fellowship provides a stipend of \$40,000 per year for two years, plus a \$2,500 per year educational/travel allowance.

Application: One to two-page written statement including overview of current research interests and long-range goals, two letters of support (advisor and current department chair). Send written statement and current CV to:

Director
Heart and Lung Research Institute
The Ohio State University
473 W. 12th Avenue
Columbus, OH 43210

Deadline: January 31, 2002

Website: <http://heartlung.osu.edu>

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FUNDING OPPORTUNITY

James S. McDonnell Foundation

21st Century
Science Initiative-2002
Application Deadline: March 15

The James S. McDonnell Foundation announces new program descriptions and application guidelines for *The 21st Century Science Initiative* funding research in three topic areas: Brain Cancer; Bridging Brain, Mind, and Behavior; and Studying Complex Systems. The Foundation supports investigator-initiated research and collaborative projects where the results are likely to advance the current state of knowledge.

CONTACT INFORMATION:
Program information and all applications and proposal preparation instructions are available at:

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Registration forms may be obtained through Ms. Duffy, LMGD, NICHD, NIH, 6 Center Dr., Bldg. 6B, Rm. 413, Bethesda, MD 20892-2790. Phone (301)-402-0545; FAX (301)-402-0543, e-mail: cduffy@helix.nih.gov.

The deadline for registration (which requires a non-refundable \$100.00 registration deposit) is February 4, 2002. Space is limited, therefore please register early. A poster session will be held. Your participation in this session is very much encouraged. The registration forms contain pertinent information.

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FALL 2002 Ph.D. PROGRAMS



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Individuals interested in applying to either program should visit the web site: <http://www.scripps.edu> or contact The Office of Graduate Studies, The Scripps Research Institute, 10550 North Torrey Pines Road (TPC 19), La Jolla, CA 92037. Tel: (858) 784-8469. The application deadline is January 1, 2002.

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Candidates must be able to demonstrate the ability to develop a highly successful independent research program in an area of applied physics, and to participate effectively in the teaching of the applied physics curriculum at both the undergraduate and graduate level. Research areas of interest in this search include, but are not limited to, optics and photonics, nanostructure science and technology, materials physics and biological physics. Prospective candidates who wish to pursue interdisciplinary research efforts are strongly encouraged to apply. The successful applicant can expect a very competitive level of support for the start-up of a research program, and considerable institutional resources are available at Cornell that can strengthen this research program and support interdisciplinary and collaborative research ventures. The successful candidate can expect to benefit from association with one or more of Cornell's interdisciplinary research centers, national facilities, and national resources. These include the NSF funded Cornell Center for Materials Research, the Nanobiotechnology Center, the Cornell Nanofabrication Facility (a major node of the National Nanofabrication Users Network), the Cornell High Energy Synchrotron Source, the Cornell Theory Center (a high performance computation facility), the Biotechnology Center, and the NIH funded resources for Macromolecular X-ray Diffraction and for Biophysical Imaging.

Applications consisting of a resume, a statement of teaching philosophy, a statement of research interests, copies of most significant publications or preprints, and the names and addresses of at least three references, should be submitted in hard copy to:

CORNELL Faculty Search Committee
School of Applied and Engineering Physics
212 Clark Hall, Cornell University
Ithaca, New York 14853-2501

Review of applications will begin on December 1, 2001.
Interviewing will begin after January 1, 2002 and will continue until the position is filled.

Cornell University is an Affirmative Action/Equal Opportunity Employer and Educator and strongly welcomes nominations of, and applications from, women and underrepresented minorities.

<http://www.cornell.edu>
<http://chronicle.com/jobs/profiles/2377.htm>

UIC The University of Illinois at Chicago

VICE HEAD FOR RESEARCH

The Department of Neurology and Rehabilitation of the College of Medicine of the University of Illinois at Chicago seeks a candidate to fill a position as Vice Head for Research. The Vice Head for Research will have overall responsibility for leading the Department's research program, setting its course and direction, and participating in the recruitment of new investigators. The successful candidate should have demonstrated research experience in the neurosciences, a doctoral degree (Ph.D. or M.D.), and a desire to assume a leadership position. The University of Illinois is committed to expanding its research in the neurosciences including the construction of 9.4 T human research MR facility. Appointment will be in the tenure track. The Vice Head for Research will have a joint appointment in an appropriate basic science department.

RESEARCH NEUROSCIENTIST

The Department of Neurology and Rehabilitation of the College of Medicine of the University of Illinois at Chicago seeks a candidate to fill a position as a research scientist. Appointment will be in the tenure track at the appropriate academic rank depending upon experience and accomplishments. The successful candidate should have demonstrated research experience in the neurosciences, a doctoral degree (Ph.D. or M.D.), and a desire to carry on a funded program of research related to the neurosciences or rehabilitation. The University of Illinois is committed to expanding its research in the neurosciences including the construction of 9.4 T human research MR facility. Other areas of interest include neuroinformatics, neural networks, cerebral reorganization, cognitive neurosciences, brain imaging, rehabilitation engineering, neural prostheses, or neurological or rehabilitation outcome research. The successful applicant will have a joint appointment in an appropriate basic science department.

Review of applicants begins immediately and interviews will continue until position is filled. Anticipated starting date is flexible. For fullest consideration, please respond by March 1, 2002. Send cover letter, vitae, and three letters of reference to: **Daniel B. Hier, M.D., Head, Department of Neurology and Rehabilitation, 912 S. Wood Street, Chicago, IL 60612. Email neuro@uic.edu. Telephone 312-996-1757.**

UIC is an AA/EOE employer.

MOLECULAR GENETICS OF RETROVIRUSES

A Postdoctoral position is available to conduct research on Human T-Cell Leukemia Virus Type I. Current projects include studies of virus infectivity, replication, and the control of cell and virus gene expression. Applicants must have a Ph.D. or M.D. degree and should have a strong background in molecular and cell biology and virology. Candidates must have less than 5 years of postdoctoral experience.

This position is part of the Basic Research Laboratory, Center for Cancer Research at the National Cancer Institute in Frederick, MD. The National Institutes of Health is an Equal Opportunity Employer and encourages all qualified women and minorities to apply. Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, marital status, physical disability, age, sexual orientation or membership or non-membership in an employee organization. Salary is commensurate with experience.

Send curriculum vitae and names of three references to:

Dr. David Derse
Basic Research Laboratory
Center for Cancer Research
National Cancer Institute - Frederick
Bldg. 567, Rm. 152
Frederick, MD 21702-1201
Telephone: 301-846-5611
Fax: 301-846-6863
E-Mail: derse@ncifcrf.gov

Friedrich Miescher Institute For Biomedical Research



Group Leader Position in Epigenetics

Applications are invited for candidates studying DNA methylation, chromatin modification, gene imprinting, gene silencing/RNAi and other epigenetics events in the context of development, differentiation and disease. Candidates combining genetic and biochemical approaches are particularly welcome. The appointed Group Leader will complement ongoing research in the Institute in the fields of epigenetics, gene expression, growth control and neurobiology.

The Friedrich Miescher Institute for Biomedical Research (FMI), which is funded by the Novartis Research Foundation, is an international centre with 280 members, including 180 postdoctoral fellows and graduate students, committed to basic research in cell and molecular biology (see www.fmi.ch). It is situated in Basel, a city offering an outstanding scientific and cultural environment in the centre of Europe. The FMI provides state-of-the-art core facilities, transgenic mouse facilities, and genomics/proteomics services, and offers competitive financial support, including running costs and positions.

Applicants should submit a CV, a concise description of research interest and future plans, by January 15, 2002. The names of three scientists familiar with the achievements of the applicant should be included. Please send these documents to **Witold Filipowicz** (Friedrich Miescher Institute, Maulbeerstrasse 66, 4058 Basel, Switzerland), who can also be contacted for additional information (+41 61 6976993 or e-mail: filipowicz@fmi.ch).

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The Oklahoma Medical Research Foundation is accepting applicants for both graduate and post-graduate doctoral fellowship training programs, as well as independent investigators/members. Be a part of it. Find out more by visiting www.omrf.org, or call 1-800-522-0211 today.

Arthritis and Immunology

The Arthritis and Immunology Program is seeking two gifted postdoctoral candidates to understand the role of immunogenetics and autoantibody pathogenesis in systemic rheumatic disease. These current research projects aim to understand initiating and perpetuating factors in specific autoantibody systems and to identify underlying genetic defects that predispose to these diseases. Experience in cellular and clinical immunology, as well as molecular biology and biochemistry, are desirable. Applicants must have a Ph.D. and/or M.D. Please send curriculum vitae, summary of research interests and three references to: **Judith A. James, M.D., Ph.D., Arthritis and Immunology Program, Oklahoma Medical Research Foundation.** FAX: 405-271-4110; E-mail: jamesj@omrf.ouhsc.edu.

Cardiovascular Biology

A postdoctoral position is available in Cardiovascular Biology studying the structure and function of the coagulation proteins. Using X-ray crystallography, our work deals with the allosteric role of cofactors upon enzymatic activity. Candidates should have a strong background in either biochemistry or crystallography, and ample opportunities exist for training in each area. We are part of a well-funded and highly congenial department with many collaborations and several projects immediately available. All data collection and computational facilities are available and we are members of a synchrotron consortium with regular beamline access. For more information, contact **Tim Mather, Ph.D., Cardiovascular Biology Program, Oklahoma Medical Research Foundation.** E-mail: tim-mather@omrf.ouhsc.edu.

Molecular Immunogenetics

A postdoctoral position is available in the Molecular Immunogenetics Program to study the molecular mechanisms of somatic mutation and genetic recombination of human antibody genes. The current research is aimed at the identification of novel gene products present in human B lymphocytes responsible for the generation of antibody diversity and the relationship of these processes to specific diseases. Experience in molecular biology, molecular immunology and biochemistry are desirable. Applicants must have a Ph.D. and/or M.D. Send curriculum vitae, summary of research interests and three references to: **J. Donald Capra, M.D., Molecular Immunogenetics Program, Oklahoma Medical Research Foundation.** FAX: 405-271-8237; E-mail: JDona-Capra@omrf.ouhsc.edu.

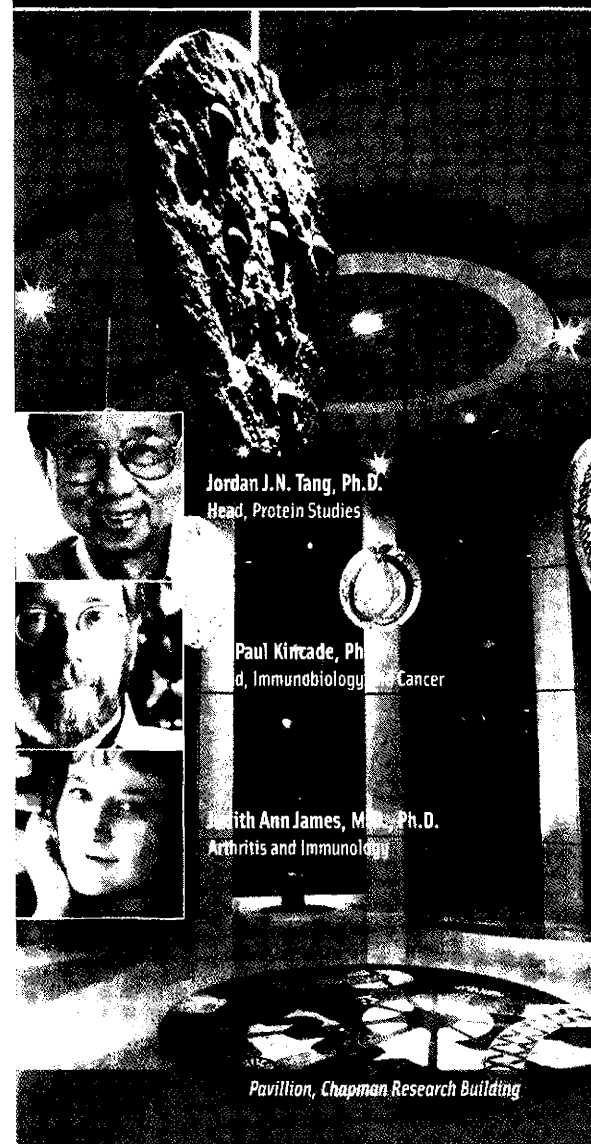
Arthritis and Immunology

A postdoctoral position is available in the area of cytokine signaling. Our lab is currently focused on delineation of second messenger kinase-mediated signaling defects that lead to human autoinflammatory disease. Current investigations are performed on transfected cell culture-based models of human myeloid cells (specifically neutrophils and monocytes) and isolated human peripheral blood leukocytes. Future investigations will include transgenic mouse models. Our laboratory works in concert with the OMRF microarray research facility, which provides access to state-of-the-art genomics and proteomics tools for ongoing studies. Applicants with prior experience in second messenger immunobiology are encouraged to apply. Please send a CV, statement of research experience and future interests, and three references to **Dr. Michael Centola (Ph. D.), Arthritis and Immunology Program, Oklahoma Medical Research Foundation.** FAX: 405-271-4110; E-mail: centolam@omrf.ouhsc.edu.

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Oklahoma Medical Research Foundation



Jordan J.N. Tang, Ph.D.
Head, Protein Studies

Paul Kirkcaldie, Ph.D.
Head, Immunobiology and Cancer

Judith Ann James, M.D., Ph.D.
Arthritis and Immunology

Pavillion, Chapman Research Building

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Bioinformatics at the University of Michigan

The University of Michigan is building a multidisciplinary Program in Bioinformatics (<http://www.bioinformatics.med.umich.edu>) that will bring advanced computational methods and molecular bioscience together in a systematic view of whole organism responses. Emphasis will be on integration with experimental science and literature, including automated language processing. The program is supported by grants from the Pfizer Corporation and the Howard Hughes Medical Institute. Faculty positions are available at all levels in multiple departments. The University of Michigan is one of the world's finest research institutions with an energetic community of students, scholars, researchers, and scientists. Ann Arbor is located in Southeast Michigan, a region that includes very historic and fast-growing towns and is widely recognized for the high quality of life it provides. There are opportunities for candidates with research interests in a broad range of departments across multiple schools and disciplines.

Medical School

Human Genetics

<http://www.med.umich.edu/hg/>

Pharmacology

<http://www.med.umich.edu/pharm/>

Internal Medicine

<http://www.med.umich.edu/intmed/>

Pathology

<http://www.pathology.med.umich.edu/>

Letters Arts and Sciences

Biology

<http://www.biology.lsa.umich.edu/>

Chemistry

<http://www.umich.edu/~michchem/>

Mathematics

<http://www.math.lsa.umich.edu/>

Statistics

<http://www.stat.lsa.umich.edu/>

Engineering

Computer Science

<http://www.eecs.umich.edu/>

Biomedical Engineering

<http://www.bme.umich.edu/>

Public Health

Biostatistics

<http://www.sph.umich.edu/biostat/>

School of Information

<http://www.umich.edu/>

Successful candidates will be expected to develop an innovative research program, to engage in teaching, and to share administrative functions of the Bioinformatics Program. Teaching responsibilities and research areas vary by department. Candidates should send a biographical sketch, research plan, 3 reference letters and a statement of career goals and departmental interests to:

David J. States, M.D., Ph.D., Director of Bioinformatics
Medical Science Building II Room 5622
University of Michigan School of Medicine
Ann Arbor, MI, 48019, USA

The University of Michigan is an Equal Opportunity Employer and is committed to maintaining diversity in its hiring and training programs.

POST-DOCTORAL RESEARCH FELLOWS



The Blood Center of Southeastern Wisconsin, an internationally recognized leader in vascular biology, molecular hematology, transplantation immunology, and transfusion medicine research, is seeking outstanding candidates to fill NIH-funded Post-doctoral Training Grant positions at its Blood Research Institute (BRI). The BRI provides state-of-the-art facilities, and offers an excellent environment for scientific interaction and interdisciplinary collaboration. Opportunities are available with Blood Center investigators in the following areas:

- **John W. Adamson, MD** - Stem cell biology, ex vivo expansion and transplantation; cytokine-induced platelet production.
- **Richard H. Aster, MD** - Pathogenesis of immune disorders affecting blood cells.
- **David D. Eckels, PhD** - The role of mutation in hepatitis C virus and modulation of the human immune response.
- **Joan C. Gill, M.D.** - Molecular diversity of the immune response to Factor VIII in patients with hemophilia.
- **Jack Gorski, PhD** - Molecular genetic analysis of T cell repertoires.
- **Cheryl Hillery, MD** - Mechanisms of vaso-occlusion in sickle cell disease.
- **Robert R. Montgomery, MD** - Molecular and cellular biology of von Willebrand factor and platelet glycoprotein Ib.
- **Michael W. Mosesson, MD** - Fibrin formation and its role in angiogenesis; mechanisms of thrombophilia in dysfibrinogenemias.
- **Peter J. Newman, PhD** - Cell adhesion and signaling receptors in vascular cells.
- **Gian P. Visentin, MD** - Heparin induced thrombocytopenia; regulation of endothelial cell proliferation and angiogenesis.
- **Hartmut Weiler, PhD** - Function of blood coagulation in development.

Because these positions are funded through an NIH Training Grant, only American citizens or permanent residents are eligible to apply. Qualified applicants should send curriculum vitae, a brief description of recent research, and the names and telephone numbers of three references to:

John W. Adamson, M.D.
Director, Blood Research Institute
The Blood Center of Southeastern Wisconsin
P.O. Box 2178
Milwaukee, WI 53201-2178

**THE
BLOOD
CENTER**



The Blood Center of Southeastern Wisconsin is an equal opportunity/affirmative action employer. Minorities and women are encouraged to apply.

FACULTY POSITION IN WATER SCIENCE AND POLICY

The Department of Environmental Analysis and Design in the School of Social Ecology at the University of California, Irvine seeks a colleague for a tenured position at the Associate Professor level in water resources science and policy. The appointment will begin July 2002.

In addition to a doctorate in a field relevant to water resources management and policy, the successful candidate must have a nationally recognized active research program and teaching experience. The candidate is expected to play a leading role in the newly established Urban Water Research Center that includes researchers in a wide range of disciplines within the natural and social sciences and engineering.

Candidates should submit: (1) a letter describing their research and teaching interests; (2) a curriculum vitae including email address; (3) three representative publications; and (4) contact information for five references to: **Dele Ogunseitan, Acting Chair, Department of Environmental Analysis and Design, Re: Faculty Position in Water Science and Policy, School of Social Ecology, University of California, Irvine, CA 92697-7070.**

The position will remain open until filled, but applications received by February 1, 2002 will have priority.

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For more information about the opportunity to become a part of 3M Pharmaceuticals' culture of innovation, please submit two resumes to: **NAS Reply Service, 3M #013496, Riverview Office Tower, 8009 34th Avenue South, Minneapolis, MN 55425-1619.** An Equal Opportunity Employer. Visit our website @ www.mmm.com

3M Pharmaceuticals

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UNIVERSITY OF COPENHAGEN

FACULTY OF SCIENCE

Institute of Exercise and Sport Sciences,
University of Copenhagen

Professorship in Human Motor Control and Biomechanics

At the Institute of Exercise and Sport Sciences, Department of Human Physiology a position as professor in Human Motor Control and Biomechanics is open to appointment from September 1, 2002, or as soon as possible thereafter.

The position is permanent and involves research and teaching within the field of human Motor Control and Biomechanics. Applicants must have a strong research background in neurophysiology including motor control and motor learning in relation to human motor skills and performance in sport, physical activity, ergonomics and in rehabilitation. It is preferable if the applicant is also scientifically qualified in other aspects of human biomechanics.

By appointment decisive importance will be attached to the applicant's degree of documented scientific production at an international level, research management, and teaching qualifications.

Deadline for applications 5 February, 2002 at 12.00 a.m. Material received after this time will not be taken into account.

Further information may be obtained from the Head of Institute Bodil Nielsen Johánnsen, phone +45 35 32 16 20; fax no +45 35 32 16 00, e-mail: Bnielsen@aki.ku.dk or:

This call for applications is an extract on which applications can not be based. The full text can be found on www.ku.dk/led/stil-linger/

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Established in 1996, the **Institute of Materials Research and Engineering (IMRE)** undertakes research in selected fields of materials science and engineering. As part of our continuing development and expansion, we aim to enlist the best talents to join our dynamic team to build IMRE into a centre of excellence for materials research.

We currently have openings for **Project Leaders** within our newly established Centre on Materials and Integration in Micro- and Nano-systems. The centre focuses on integrating non-silicon materials into micro- and nano-systems. Project leaders are expected to formulate their own research plan and lead a team to execute their ideas. Research plans must be novel, feasible and have high technological or academic impact.

Candidates must be able to lead and manage a research team. They must hold a PhD degree and have at least two years postdoctoral working experience. The PhD degree should be in one of the following areas: Physics, Chemistry, Materials Science, Medical or Biological Sciences, Chemical Engineering, Mechanical Engineering or Electrical Engineering.

Candidates will be selected based on their qualifications and the quality of their research plan. Remuneration will be made commensurate to qualification and experience.

Interested candidates should write to us, enclosing a two-page research plan, full resume (stating current and expected salaries), copies of academic transcripts, a list of publications, a list of references and a recent non-returnable photograph, to the address shown below. Please indicate that you are applying for a Project Leader position within the CMIMNS centre.



The Human Resource and Administration Manager
Institute of Materials Research and Engineering
3 Research Link Singapore 117602
Website <http://www.imre.org.sg> • Fax : 872-5373
We regret that only shortlisted candidates will be notified.



Georgia Institute of Technology



**EMORY UNIVERSITY
SCHOOL OF MEDICINE**

FACULTY POSITIONS IN THE WALLACE H. COULTER DEPARTMENT OF BIOMEDICAL ENGINEERING

The Georgia Institute of Technology (Georgia Tech) and the Emory University School of Medicine have established The Wallace H. Coulter Department of Biomedical Engineering. This new department complements the existing Bioengineering Program at Georgia Tech and expands research and educational offerings at Emory University. The department is housed at both campuses, which are located in Atlanta, Georgia.

Applications are invited for tenure track faculty positions at all levels: assistant, associate and full professor. Of particular interest are individuals with research interests in micro/nano-biotechnology, biomedical imaging, and neurosciences/engineering. Candidates must hold a doctoral degree in an area that is in, or is closely related to, biomedical engineering or biomedical science.

Applicants should submit a letter of application, curriculum vitae, and the names, addresses (including e-mail), and telephone numbers of three references to:

Don P. Giddens, Ph.D.
Lawrence L. Gellerstedt, Jr. Chair in Bioengineering
The Wallace H. Coulter Department of Biomedical Engineering
315 Ferst Drive, Atlanta, Georgia 30332-0535
E-mail: bme@bme.gatech.edu

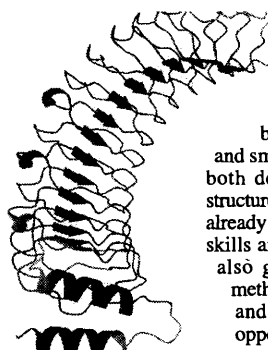
Tenure track positions have been allocated at both Georgia Tech and Emory. If an accommodation due to disability is needed to apply for this/these position(s), please indicate accommodations needed in initial correspondence. TDD available upon written request.

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POSTDOCTORAL FELLOWSHIP

Antibioterrorism Research (X-ray Crystallography)



A postdoctoral position is available for a recent PhD to participate in structural studies of virulence mechanisms in potential agents of bioterrorism, with emphasis on plague and smallpox. Existing opportunities include both de novo structure determination and structure-based drug design. The ideal candidate already possesses strong X-ray crystallography skills and wants to maintain this focus while also gaining exposure to state-of-the-art methods for recombinant protein expression and purification. This is an outstanding opportunity for a highly motivated person to establish a foothold in the rapidly growing field of antibioterrorism research. More

information about this project, including links to recent publications, can be found at the web site <http://mcl1.ncicrf.gov/whugh.html>. Starting salary is commensurate with experience (\$32,000-\$38,000). Cover letter and curriculum vitae may be faxed to 301-846-7148; emailed to whughd@ncicrf.gov; or mailed to:

David S. Waugh, Ph.D.
Macromolecular Crystallography Laboratory
NCI-Frederick
P.O. Box B
Frederick, MD 21702

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support of these plans will be utilized while developing new technologies in pursuit of better drug development opportunities. The incumbent will conduct PK/PD related assessment of new development compounds and participate on project teams giving experts advice on pharmacometric issues. This position will represent the company at external meetings, participate in scientific symposia, and sustain a strong publication record.

Research into and implementation of novel pharmacometric methodology, as well as broad interaction with other departments will be required. M.D., Ph.D., or similar in Pharmacokinetics,

Pharmacology, or related field. Knowledge in the conduct of population evaluations and clinical trial simulations with 2-5 years of experience conducting preclinical PK/PD and Clinical Pharmacology evaluations requisite.

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immunexcareers@webhirepc.com.

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Proteomics

The Protein Center division of Memorial Sloan-Kettering Cancer Center is expanding its Targeted Proteomics program for the profiling and study of protein modifications and interactions in living cells, especially as it applies to the control and cure of cancer. The Center is internationally renowned for protein discovery and supported by NCI Technology Development Funds, with an emphasis on protein nano-capture, display, identification, and molecular databasing. Mass spectrometry, computing and engineering facilities are available or under development; access to micro-array facility.

Immunochemistry / Protein Arrays

We are looking for an enthusiastic research scientist to take a key role in development of this program. The successful candidate has at least 3 years research experience since obtaining a PhD degree and has a strong background in generating monoclonal antibodies, general immunochemistry, small scale protein purification and affinity chromatography. Some expertise in molecular biology and the use of micro-arrays required. Supervisory experience and basic knowledge of current protein analytical chemistry a plus. Salary and rank according to qualifications.

Please send inquiries, C.V. and names of three references to: **Paul Tempst, PhD, Professor of Molecular Biology and Director, Protein Center, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, NY 10021. E-mail: p-tempst@mskcc.org**

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Faculty positions in the Department of Cellular and Structural Biology



The University of Texas Health Science Center at San Antonio

The Department of Cellular and Structural Biology is recruiting faculty for tenure track positions at the Assistant, and/or Associate Professor level for the fall of 2002. The Department is particularly interested in recruiting qualified applicants with interests in cell and molecular biology, aging, cancer, immunology or neurobiology, and who utilize optical imaging approaches as a major research tool. The ability/willingness to teach in one of the Department's professional and/or graduate courses is also required.

Interested individuals should submit their curriculum vitae, a statement of research and teaching interests and experience, and three letters of recommendation to: **Dr. Jim Lechleiter, Chair, Cellular & Structural Biology Faculty Search Committee, The University of Texas Health Science Center, 7703 Floyd Curl Drive, Mail Code 7762, San Antonio, Texas 78229-3900.**

Further information about the Department and its optical imaging facility can be found at:

<http://www.uthscsa.edu/csb/csbhome.html>.

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SCIENTIST

As a member of a dynamic team, you will participate in drug discovery projects while contributing to new model development for *in vivo* pharmacology. Specific duties include evaluating potential drug candidates in xenograft and syngenic tumor models; performing pharmacokinetic and MTD studies; generating and analyzing data; and identifying and evaluating new tumor models and methods of analysis. Close interaction with other members of the Oncology Department, as well as members of DMPK, Pathology, Toxicology and the Galenics groups, will be involved. Requirements include a BS or MS in Biology or related field, with at least 2 years using *in vivo* tumor models. Familiarity with handling mice and rats; and experience dosing animals by IV, SC, IP routes and oral gavage are necessary. Knowledge of surgical techniques in rodents is desirable. High-caliber analytical and technical skills, as well as strong organizational, communication, computer and teamwork skills, are required. Please refer to **Position Code AD0474FM** on resume.

SR. SCIENTIST

You will participate in the development, identification and validation of biomarkers for Oncology drug discovery projects, including pharmacodynamic and surrogate markers using *in vitro* and *in vivo* methods. Specific duties include evaluating the role of various target-specific molecules, as well as downstream molecules of the relevant biological pathways in tumor cells, host cells and biological samples and their modulation by potential drug candidates. Interaction with scientists in Cell Biology, *In Vivo* Biology, Pathology and Genomics will be involved. To qualify, you will need a BS with 3 years of experience (or MS with 2 years of experience) in biology or related field, with specific expertise in utilization of *in vivo* biomarkers in Oncology models. A background in either biochemistry or molecular biology is highly desirable, as is familiarity with handling mice and rats, dosing animals by IV, SC, IP routes, and oral gavage. High-caliber analytical and technical skills, as well as organizational, communication, computer and teamwork skills, are important. Please refer to **Position Code AD0495FM** on resume.

PRINCIPAL SCIENTIST

In this position, you will guide drug discovery projects in Oncology, with particular emphasis on *in vivo* biology. You will be responsible for the evaluation of potential drug candidates in xenograft and syngenic tumor models; utilize existing models and identify and evaluate novel animal models to assess anti-cancer compounds; and participate in the characterization of existing tumor models on a molecular and biochemical level. You will be responsible for the generation, analysis and presentation of data. You will have a supervisory role in the *in vivo* group. You will interact with a multidisciplinary team in drug discovery, including members of Drug Metabolism & Pharmacokinetics, Formulations and Pathology/Toxicology. A Ph.D. in Cancer Biology or Pharmacology with 2 years of experience in rodent animal models of cancer with drug discovery experience preferred. Familiarity with handling mice and rats, dosing animals by IV, SC, IP routes and oral gavage is necessary. Expertise in the field of angiogenesis is desirable, as is a background in molecular biology and pathology. High-caliber analytical and technical skills, as well as strong interpersonal, communication and computer skills, are required. Please refer to **Position Code AD0514FM** on resume.

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POSITIONS OPEN

FACULTY POSITION PHARMACOLOGY AND PHYSIOLOGY

As part of an ongoing expansion in all of the basic science departments, the Department of Pharmacology and Physiology of MCP Hahnemann University School of Medicine invites applications for a tenure-track faculty position to be filled by July 2002. The Department currently consists of 15 tenure-track faculty engaged in a variety of research areas including neuropharmacology; behavioral pharmacology; ion channel structure-function relationships; and signal transduction mechanisms in neurons, cardiac cells, and smooth muscle. For more information on the Department, please visit our website: <http://www.mcphu.edu/medschool/depts/pharm-physio/index.htm>. We seek someone who employs modern electrophysiological approaches to synaptic physiology. Although emphasis will be on recruitment at the **ASSOCIATE PROFESSOR** level, applications for other ranks will be considered. Candidates should have a Ph.D. or M.D. degree, postdoctoral research training, and a good track record in publications and funding. Successful candidates will be expected to develop and maintain an externally funded, independent research program and to participate in teaching medical and graduate students. Competitive salary support and start-up packages will be made available. Applicants should submit curriculum vitae, a brief description of current and future research directions, a description of teaching experience, and the names and addresses of three references to: **Chair, Faculty Search Committee, Department of Pharmacology and Physiology, MS 488, MCP Hahnemann University, 245 North 15th Street, Philadelphia, PA 19102-1192.** MCP Hahnemann University is an Equal Opportunity Employer. We encourage women and minority candidates to apply.

CELL BIOLOGIST

Whitman College invites applications for a one-year sabbatical replacement beginning August 2002. Ph.D. required. Teaching responsibilities: upper-level cell biology course (with laboratories), elective course for biology majors in area of expertise, a course for nonmajors, and supervision of senior research/thesis projects. Submit curriculum vitae, three letters of recommendation, undergraduate and graduate transcripts, statements of teaching and research interests, and evidence of excellence in teaching to: **Dr. Kendra Golden, Department of Biology, Whitman College, 345 Boyer Avenue, Walla Walla, WA 99362. Telephone: 509-527-5210; FAX: 509-527-5904; e-mail: golden@whitman.edu.** For additional information about Whitman College, see website: <http://www.whitman.edu/>. Deadline: February 1, 2002. Whitman College is a selective liberal arts college and is building a diverse academic community. Women, minorities and people with disabilities are encouraged to apply. Candidates must be lawfully employable in this country as a result of citizenship, visa, or resident alien status.

MICROBIOLOGIST Minnesota State University, Mankato

The Department of Biological Sciences invites applications for a tenure-track **ASSISTANT PROFESSOR** position. A Ph.D. related to microbiology is required. Duties include teaching general microbiology and one of the following pairs of courses: either medical microbiology and immunology or microbial ecology/bioremediation and microbial physiology/genetics, with opportunity for developing an upper-level course in his/her area of expertise. Other responsibilities include serving on departmental committees and developing a research program that involves both undergraduate and graduate students. Position begins August 19, 2002. Complete notice of vacancy, position description, and application procedures can be obtained at website: <http://www.mnsu.edu/dept/humanres/employment.html> or by contacting: **Department of Biological Sciences; Telephone: 507-389-2786.** Minnesota State University, Mankato, is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN



The Biology Department at Swarthmore College invites applications for a one-year faculty leave replacement position at the **ASSISTANT PROFESSOR** level beginning September 2002. Teaching will include undergraduate cell biology and genetics courses with laboratories. Applicants should have a Ph.D., teaching experience, and a strong commitment to undergraduate education. Interested persons should submit curriculum vitae, three letters of recommendation, and a statement of teaching and research interests to: **Cell Biology and Genetics Search, Department of Biology, Swarthmore College, Swarthmore, PA 19081.** All application materials should be received by January 7, 2002. Swarthmore College is an Equal Opportunity Employer.

FACULTY POSITION, RANK OPEN Chemical Engineering/College of Medicine University of Illinois at Urbana-Champaign

The Department of Chemical Engineering and the College of Medicine of the University of Illinois at Urbana-Champaign invite applications for a full-time, **TENURE-TRACK POSITION** in chemical engineering. A Ph.D. and/or M.D. degree, postdoctoral experience, and evidence of outstanding research potential are required. The appointee will be expected to develop a vigorous, independently funded research program at the interface of chemical engineering and medical science. The field of research is not restricted, but candidates will be given preference whose research accomplishments and interests demonstrate clear ties to modern biomedicine. Salary and appointment level are open and will depend upon qualifications. A preferred starting date for this position is August 2002. The appointee's teaching responsibilities will be divided between the Department of Chemical Engineering and the College of Medicine. Chemical engineering at the University of Illinois is internationally recognized for research excellence and is ranked among the top 10 programs in the United States. The College of Medicine has one of the largest M.D./Ph.D. programs in the country and a diverse and vigorous research faculty. The University offers a highly interactive, interdisciplinary research environment; outstanding engineering, computational, and physical science programs; and state-of-the-art research facilities. Submit curriculum vitae with a list of publications, summary of research interests, and arrange to have at least three recommendation letters sent to:

**Professor Deborah Leckband, Chair
Chemical Engineering/College of Medicine
Search Committee
University of Illinois at Urbana-Champaign
107 Roger Adams Laboratory, Box C-3
600 South Mathews Avenue
Urbana, IL 61801**

In order to ensure full consideration, applications should be received by January 15, 2002. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

NEUROSCIENCE/NEUROANATOMY INSTRUCTOR. The Department of Basic Medical Science invites applications from individuals qualified to direct a neuroscience course and teach in a laboratory-based neuroanatomy course for medical students. Candidates should have a Ph.D. or equivalent degree in a field relevant to this instruction. The position is not in the tenure track and academic rank and salary will depend upon qualifications. Send curriculum vitae and have three references sent to: **Chris Papasian, Ph.D., Chair, BMS, UMKC School of Medicine, 2411 Holmes Street, Kansas City, MO 64108.** Applications by e-mail will be accepted (e-mail: papasianc@umkc.edu). The University of Missouri-Kansas City is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

TENURE-TRACK POSITIONS University of California, Irvine

The Department of Physics and Astronomy and the Department of Developmental and Cell Biology of the University of California at Irvine invite applications for two tenure-track positions at the **ASSISTANT PROFESSOR** level in the general areas of quantitative biology and/or biological physics. The appointments can begin as early as the 2002/2003 academic year. 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. Candidates with either experimental or theoretical experience are encouraged to apply. Successful candidates will receive primary appointments in either the Department of Physics or the Department of Developmental and Cell Biology as best suits their research focus. These positions are part of a large, campuswide initiative that emphasizes the interface between the biological and biomedical sciences and the physical sciences and engineering. Candidates should send complete curriculum vitae, bibliography, statement of research interests, and arrange to have at least three letters of recommendation submitted on their behalf to:

**Professor Michael Dennin
Chair of the Quantitative Biology
Search Committee
Department of Physics and Astronomy
University of California, Irvine, CA 92697-4575**

For full consideration, completed applications should be received before January 15, 2002. Please visit our websites: <http://www.ps.uci.edu/physics> and <http://devcell.bio.uci.edu>.

The University of California, Irvine, is an Equal Opportunity Employer committed to excellence through diversity.

CAREER CHEMISTRY LECTURER

The Department of Chemistry and Biochemistry and the College of Creative Studies at University of California, Santa Barbara, seek applications for a Career Lecturer position with potential security of employment (similar to tenure). We seek a person with expertise in either organic or analytical/physical chemistry. Duties include instruction in lecture and laboratory courses; organization of seminary courses; development of new courses; and training, supervision, and evaluation of teaching assistants. The appointment will involve recruiting and advising of College of Creative Studies students, who are among the most capable on campus. Demonstrated excellence in teaching, interpersonal skills, familiarity with chemical instrumentation and computing, and a Ph.D. degree are required. Two years of relevant experience are desired. Salary is commensurate with experience. Send résumé and a statement of professional interests and arrange to have three letters of recommendation sent to: **Chair, Lecturer Search Committee, Department of Chemistry and Biochemistry, University of California, Santa Barbara, CA 93106-9510.** Position is open until filled; however, applications received by January 25, 2002, will be given primary consideration. UCSB is an Equal Employment Opportunity/Affirmative Action Employer.

The University of Pittsburgh at Greensburg (UPG) seeks a full-time, tenure-track **ASSISTANT PROFESSOR** in the sciences to begin August 2002. The primary responsibility for this position is to teach a two-semester, sequential, multidisciplinary science course for nonmajors. A Ph.D. or a Ph.Ed. in the sciences is required. UPG values candidates with experience in working with diverse groups. Send a letter of application, curriculum vitae, a description of teaching accomplishments and philosophy, graduate transcripts, and three letters of reference to: **Natural Sciences Search Committee, University of Pittsburgh at Greensburg, 1150 Mt. Pleasant Road, Greensburg, PA 15601.** Applications are due January 15, 2002. For more information, visit website: <http://www.pitt.edu/~upgns>. Affirmative Action/Equal Opportunity Employer.



**FOUNDING FACULTY
UNIVERSITY OF
CALIFORNIA, MERCED**

UC Merced, tenth campus of the University of California, is seeking senior and mid-career faculty for three academic divisions: Engineering, Natural Sciences and Social Sciences/Humanities/Arts. For detailed information, please see our website at: <http://www.ucmerced.edu/employ/ff.htm>

Faculty nominations and applications at all faculty ranks and in all disciplines are invited to apply. Preference will be given to the following:

Engineering: computing/communications engineering, energy/environmental engineering.

Natural Sciences: Systems biology (cell, whole animal, ecological), chemistry, physics, mathematics, geosciences.

APPLICATIONS - may be submitted electronically to: ucmsearch@ucop.edu

Applications/nominations will be considered starting January 1, 2002, and continuing until all positions at all levels are filled.

*The University of California is an
Equal Opportunity/
Affirmative Action Employer.*

**In 2002, le Centre National de la
Recherche Scientifique (CNRS) /
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**Your skills and capabilities
are important to us.**

If you possess a Ph.D or equivalent qualification, the CNRS can offer you wide-ranging career opportunities in its laboratories on research projects developed in partnership with universities and companies.

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www.chercheur.cnrs.fr



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UNIVERSITY OF KENTUCKY

The University of Kentucky invites applicants for Director of the Spinal Cord and Brain Injury Research Center (SCoBIRC). This Center is derived from the confluence of resources from the Kentucky Spinal Cord and Head Injury Research Trust (KSCHIRT) funding to the University of Kentucky and support of the College of Medicine. Presently the Center is composed of 20 associate members with broad expertise in molecular and cellular neuroscience investigating mechanisms of apoptosis, axonal growth inhibition, repair and regeneration as it relates to spinal cord and head injury. The director will be responsible for hiring new faculty for the Center, for bringing together clinical and basic scientists working on spinal cord and head injury, and for establishing a nationally recognized center of excellence. The successful candidate should have a Ph.D., M.D. or equivalent degree and have demonstrated academic excellence and leadership skills. The academic appointment of the director will be in one of the basic science or clinical departments.

Please send nominations or an application packet including a letter of interest, a CV and three reference names to: **Edythe Tevelson Lach, College of Medicine, Office for Research and Leadership Development, L007 Kentucky Clinic, Lexington, KY 40536-0284** or to etlach@email.uky.edu. The committee will begin reviewing applications on January 14, 2002, and will continue accepting them until the position is filled.

*The University of Kentucky is an Affirmative Action/
Equal Opportunity Employer.*

**Director, Scientific Liaison & Scientific Review Office
National Toxicology Program
National Institute of Environmental Health Sciences
National Institutes of Health
Research Triangle Park, North Carolina**

The Environmental Toxicology Program of the NIEHS is recruiting a senior biologist or toxicologist to serve as Director, Scientific Liaison and Scientific Review Office. Priority will be given to applicants with demonstrated ability to foster effective scientific review and communication of research and testing results, who are internationally recognized as experts in the field of scientific review and/or scientific communications, and possess a level of managerial and executive ability to create an atmosphere for maximum creativity and scientific productivity. A medical degree or doctoral degree in toxicology or a related field or equivalent with a strong record of accomplishments in the review and summarization of toxicological data and publications demonstrating understanding of the broad array of data considered in an overall review of toxicological data is mandatory. Priority will be given to researchers whose primary interests are in the toxicological evaluation of environmental causes of disease. The incumbent will be a Title 42 Staff Scientist with an initial appointment of five years renewable every one to five years indefinitely. Salary commensurate with background, and Federal benefits apply. Excellent staff support is available.

For additional information, contact Dr. Anne Sassaman, Search Committee Chair, at (919) 541-7723 or Dr. Chris Portier, at (919) 541-3802. Applications from minority groups and women are particularly welcome. Interested persons should submit curriculum vitae, bibliography, brief statement of scientific interests and arrange for three letters of recommendation to be sent postmarked by January 7, 2002, to: Ms. Celestine Edwards (HNV-02-02)
NIEHS Human Resource Management Branch
P.O. Box 12233, Maildrop EC-11
Research Triangle Park, NC 27709
Phone: (919) 316-4602; e-mail: edwards3@niehs.nih.gov



NIEHS



NIEHS/NIH IS AN EQUAL OPPORTUNITY EMPLOYER

POSITIONS OPEN

FACULTY POSITIONS Major Initiative in Advanced Materials and Nanotechnology University of California, Riverside

The University of California at Riverside has established a Center for Nanoscale Science and Engineering that will have carbon, silicon, and biological materials as its initial focus. **Professor Robert Haddon** has been hired at the founding director of the Center. At this time, we invite applications for tenure-track or tenured faculty positions in the College of Engineering and the College of Natural and Agricultural Sciences. Applications are encouraged from candidates in the areas of spintronics, nanofabrication of electronic and photonic devices, and atomic and molecular scale manipulation and measurement. Applicants should have a Ph.D. in an appropriate field or an M.D. Senior candidates must have an exceptional research and teaching record. Junior candidates must show outstanding research and teaching potential. Candidates should be prepared to establish vigorous research programs in areas that will complement existing programs at the University. Applications must include curriculum vitae, a list of publications, a statement of research and teaching objectives, and names and addresses of four references (junior candidates may have reference letters mailed directly to Dr. Haddon). Applications should be directed to:

Professor Robert C. Haddon
Director, Center for Nanoscale Science
and Engineering
203 Pierce Hall Annex
University of California, Riverside
Riverside, CA 92521-0403

Review of applications will commence on January 15, 2002, but the positions will be open until filled. For more information, please visit UCR's website: <http://www.ucr.edu> or the College of Engineering website: <http://www.engr.ucr.edu> or the College of Natural and Agricultural Sciences website: <http://www.cnas.ucr.edu>.

The University of California is an Equal Opportunity Employer committed to excellence through diversity.

WAYNE STATE UNIVERSITY School of Medicine

The Department of Neurology at Wayne State University School of Medicine is seeking an MR Basic Scientist with experience, productivity, and proven funding as applied to neurologic diseases including multiple sclerosis. Position may include a joint appointment in one or more of the following departments: Anatomy, Neurosurgery, Radiology, and/or Pediatrics. This is a tenure-track position and faculty rank of **PROFESSOR/ASSOCIATE PROFESSOR** is dependent on prior experience and credentials. Send curriculum vitae along with names of three references to: **Robert P. Lisak, M.D., Professor and Chairman, Department of Neurology, Wayne State University School of Medicine, 8D University Health Center, 4201 St. Antoine, Detroit, MI 48201.**

Wayne State University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS Spatial Orientation or Balance Control

Two tenure-track faculty positions are available in the Department of Otolaryngology of the University of Pittsburgh School of Medicine for neuroscientists who use physiological, anatomical, molecular, or other approaches to study peripheral or central mechanisms of balance control and/or spatial orientation.

The appointments can be made at any level (**ASSISTANT to FULL PROFESSOR**) depending on experience. Strong opportunities for interaction are available within the Department, Center for Neuroscience, and Center for Neural Basis of Cognition. Applicants should send curriculum vitae, statement of research interests, and names of three references via e-mail to: **Dr. Bill Yates; e-mail: byates@pitt.edu.** *The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN



UNIVERSITY OF MISSOURI-COLUMBIA

The University of Missouri-Columbia is seeking two **ASSISTANT/ASSOCIATE PROFESSORS** of science education, a Biology Educator and a Biochemistry Educator to work within MU's Southwestern Bell Science Education Center. The faculty members will be appointed jointly in science education and biology or science education and biochemistry, with their tenure home in science education. See website: <http://www.swbsec.missouri.edu> for more information. Interested applicants should contact: **Professor Sandra K. Abell; e-mail: abells@missouri.edu.** Review of applications is ongoing from November 30, 2001, and will continue until the position is filled. *The University of Missouri is an Equal Opportunity/Affirmative Action Employer and specifically invites and encourages applications from women and minorities.*

ASSOCIATE PROFESSOR Boston University School of Medicine NHLBI's Framingham Heart Study Genetics Laboratory Department of Genetics

Boston University School of Medicine is seeking a prominent, nationally recognized, Human Molecular Geneticist with demonstrated accomplishment in research in diseases of the heart, lung, or blood systems. This exciting position offers the opportunity to play a leading role in the FHS Genetics Laboratory utilizing the extensive phenotypic data and DNA available on more than 10,000 persons representing three generations of Framingham Heart Study (FHS) participants (website: <http://www.nhlbi.nih.gov/about/framingham/index.html>). The FHS Laboratory is equipped with state-of-the-art, high-throughput genotyping machinery. The successful candidate will join a multidisciplinary team comprised of Clinicians, laboratory and statistical Geneticists, Programmers, and Statisticians in advancing the understanding of genetic risk factors for diseases of cardiovascular, blood, and pulmonary diseases.

The successful candidate will coordinate laboratory aspects of FHS genetics investigations and have an appointment in the newly established Department of Genetics. The awardee will also have access to the new core facilities for microarray analysis and bioinformatics. While this position is fully funded by NHLBI, applicants may also seek independent grant support to promote their research and for career development.

Forward applications or nominations to: **FHS Genetics Search Committee, c/o Philip A. Wolf, M.D., Boston University School of Medicine (B608), 715 Albany Street, Boston, MA 02118-2526. E-mail: pawolf@bu.edu.**

ENVIRONMENTAL BIOLOGIST

Whitman College invites applications for a one-year position beginning August 2002. Ph.D. required. Teaching responsibilities: introductory course in biological principles (with laboratories); an elective for biology majors; participation in the environmental studies program (introductory course, senior seminar, and senior research). Send curriculum vitae, three letters of recommendation, undergraduate and graduate transcripts, statements of teaching and research interests, and evidence of excellence in teaching to: **Dr. Dan Vernon, Department of Biology, Whitman College, 345 Boyer Avenue, Walla Walla, WA 99362. Telephone: 509-527-5326; FAX: 509-527-5904; e-mail: vernondm@whitman.edu.** For additional information about Whitman College, see website: <http://www.whitman.edu/>. Deadline: February 1, 2002. *Whitman College is a selective liberal arts college and is building a diverse academic community. Women, minorities and people with disabilities are encouraged to apply. Candidates must be lawfully employable in this country as a result of citizenship, visa, or resident alien status.*

POSITIONS OPEN

ASSISTANT PROFESSOR POSITION IN ANIMAL PHYSIOLOGY Central Michigan University

The Department of Biology invites applications from broadly trained individuals for an Assistant Professor tenure-track position in animal physiology beginning August 2002 or earlier. Candidates are expected to have a Ph.D. in the biological sciences; excellent verbal and written communication skills; and demonstrate a strong commitment to and potential for teaching, research, and external funding. Postdoctoral experience is preferred. Teaching responsibilities include courses in mammalian physiology, instruction in the individual's area(s) of expertise at the undergraduate and M.S. level, and ability to contribute to the Department's introductory program. Submit a letter of application, curriculum vitae, copies of all transcripts, statement of teaching philosophy and statement of proposed research plans, and three letters of recommendation to: **Animal Physiologist Search Committee, Department of Biology, Central Michigan University, Mt. Pleasant, MI 48859.** Review of applications will begin January 7, 2002, and continue until position is filled. Departmental information is available at website: <http://www.cst.cmich.edu/units/bio>. Serving more than 27,000 students, Central Michigan University is an innovative Doctoral/research-intensive institution recognized for strong undergraduate education and a range of focused graduate programs and research. *CMU, an Affirmative Action/Equal Opportunity Institution, is strongly and actively committed to increasing diversity within its community (see website: <http://www.cmich.edu/aaeo/>).*

PROFESSOR/CHAIR CELL AND MOLECULAR BIOLOGY

The University of Hawaii John A. Burns School of Medicine is seeking a **FULL PROFESSOR** of cell and molecular biology to serve as Department Chair of an expanding Department of Cell and Molecular Biology in a reinvigorated medical school under the leadership of a dynamic new Dean. Reporting directly to the Dean, this position will oversee and direct all academic, research, educational, and professional operations of the Department and will oversee the training of medical students using the problem-based learning approach. A key focus of the position will be on developing and leading an initiative in the molecular genetics of disease prevention. This is a full-time, general funded, 11-month tenure-track position (Number 83025) to begin approximately February/March 2002 pending position clearance and availability of funds. For detailed information on duties, responsibilities, and required qualifications, please refer to website: <http://www.hawaii.edu/news/job.vacancies.html> and click on Ku Lama 12/7/01. To apply, send curriculum vitae, cover letter, and names of five references to: **T. Samuel Shomaker, M.D., University of Hawaii, John A. Burns School of Medicine, Dean's Office, 1960 East-West Road, Honolulu, HI 96822.** Applications by e-mail not acceptable. Closing date: January 19, 2002. Inquiries: **Dr. T. Samuel Shomaker; Telephone: 808-956-5747; e-mail: shomaker@hawaii.edu.** *An Equal Employment Opportunity/Affirmative Action Institution.*

URBAN FORESTRY Rutgers, The State University

The Ecology, Evolution, and Natural Resources Department invites applications for a **FACULTY POSITION** in urban forestry (open rank) to develop a program of research/teaching/extension in urban forestry. Ph.D. and demonstrated research in urban forestry or related field required. Application deadline: February 1, 2002. Additional information can be found at website: <http://www/rci.rutgers.edu/~deen/>. Send letter of application, curriculum vitae, and names and addresses of three references to: **Dr. Mark Vodak, Search Committee, Department of Ecology, Evolution, and Natural Resources, 80 Nichol Avenue, New Brunswick, NJ 08901-2882.** *Rutgers University is an Affirmative Action/Equal Opportunity Employer.*



MANAGEMENT SEARCH GMBH

Beratungsgruppe PLAUT

We are a leading worldwide company with over 20,000 employees, a global presence, above-average

growth and high profitability in our special markets. Through intensive innovative research and development activities, we have also been the market leader for decades in the field of fertility control and hormone therapy. In the area of female reproduction biology, a successor is to be found for the position of Team Leader (m/f).

Together with your small, highly qualified team, you will develop new concepts for non-hormone fertility control as well as for the treatment of fertility disorders and gynaecological diseases in the preclinical area. You

TEAM LEADER (M/F) REPRODUCTION BIOLOGY LEADING WORLDWIDE PHARMACEUTICAL GROUP

will work closely together with other R&D functions in our company and represent the results of your research internally and externally.

After studying medicine, biology, biochemistry or pharmacology and completing your doctorate, you have acquired at least initial experience in reproduction biology/endocrinology, for example, as a postdoctoral fellow or as a scientist in university or industrial research. Ideally, you have also acquired experience with animal experiments as well as modern methods of molecular-

biology. Very good knowledge of English as well as flexibility and a team spirit round out your

profile.

We offer you a management position with potential for development in an innovative, team-oriented setting. Are you interested? Then please send your application and relevant experience quoting Ref. 10085E1 to the personnel consultancy we have engaged. For initial information, Mr. Gerd Schierenberg and Ms. Jutta Deutscher, Tel. No. 0049 / (0) 211 / 1 36 39-13, will be pleased to help you. Absolute discretion and compliance with requests for confidentiality will be assured.

Königsallee 60 A • D-40212 Düsseldorf • Germany • Phone 0049 / (0) 2 11 / 1 36 39-13 • Fax 0049 / (0) 2 11 / 32 44 63
duesseldorf@management-search.de • www.management-search.de

POSITIONS AVAILABLE IMMEDIATELY

The Department of Neurology at St. Luke's-Roosevelt Hospital Center, a university hospital of Columbia University College of Physicians & Surgeons, is launching a major research initiative into the biology of demyelinating diseases. The Department currently seeks applications for the following positions:

RESEARCH ASSOCIATE in Glial Biology

Seeking M.D. or Ph.D. with experience in glial cell biology. Applicant will have previous experience with growth factors and stem cell differentiation. The laboratory is currently developing growth factors that will induce cell regeneration and remyelination. Candidate must have two years of postdoctoral experience. Minimum \$55,000 plus benefits.

RESEARCH ASSOCIATE in Molecular Biology/Immunology

Seeking postdoctoral scientist with experience in immunology of demyelinating diseases or related fields. Applicant will be expected to investigate the antibody response in multiple sclerosis. Candidate should have two years postdoctoral experience in molecular immunology. Minimum \$55,000 plus benefits.

RESEARCH ASSOCIATE in Pathology

Seeking M.D. or Ph.D. with experience in immunopathology or neuropathology. Applicant should be familiar with all routine pathological techniques. Previous experience with animal work or in situ hybridization preferred. Minimum \$55,000 plus benefits.

POSTDOCTORAL POSITION

Two postdoctoral positions are available in immunology and molecular biology. Applicants must have extensive experience in molecular and cell biology. Candidate will be encouraged to develop independent research project related to demyelinating disease. Salary \$40,000 plus benefits.

All positions are funded for a two year period.

Please send CV and three letters of reference to:

Saud A. Sadiq, MD
Chairman

Department of Neurology
St. Luke's-Roosevelt Hospital Center
425 West 59th Street, Suite 7C
New York, NY 10019

POSITIONS OPEN

The Department of Mechanical Engineering invites applications for tenure-track **FACULTY POSITIONS** in the areas of control, dynamics, energy and transport, manufacturing, microfluidics, and design. These searches will be carried out broadly and all exceptional candidates within these areas will receive full consideration. We are, however, particularly interested in candidates who have research and teaching interests in one or more of the following fields:

Control: novel actuators and sensors; nano- and microactuators.

Dynamics: expertise in nonlinear dynamic phenomena in novel engineered and natural systems/materials; experimental exploration is highly desirable.

Energy and transport: new energy technologies; transport processes that underlie new energy technologies.

Manufacturing: new manufacturing processes; microfabrication.

Microfluidics: design, construction, and application of microfluidic devices, e.g., for studying fundamental questions related to the transport of fluids and rheology of complex materials on the microscale.

Design: robust design; design methods; computational methods of design. This appointment will be joint with Massachusetts Institute of Technology's Engineering Systems division.

The appointment will likely be at the rank of **ASSISTANT PROFESSOR** or **ASSOCIATE PROFESSOR** without tenure. Under exceptional circumstances an appointment at a higher rank may be possible. Applicants must hold a Doctorate in an appropriate field and must have demonstrated an ability to carry out outstanding research and have a strong record of or promise for exceptional teaching.

Applicants should send curriculum vitae, a research and teaching statement, copies of one or two publications, and complete contact information for at least three references to the following address:

Chair, Faculty Search Committee
(name of specific field)
Department of Mechanical Engineering
Room 3-173
Massachusetts Institute of Technology
77 Massachusetts Avenue
Cambridge, MA 02139-4307

Applications received by March 15, 2002, will receive full consideration.

MIT is an Equal Opportunity/Affirmative Action Employer. Women and underrepresented minorities are especially encouraged to apply.

FACULTY POSITION Developmental Neurobiology

The Division of Biology at Kansas State University invites applications for a tenure-track **ASSISTANT PROFESSOR** position beginning in the 2002/2003 academic year. We seek an individual who will establish a strong, extramurally funded research program in the general area of developmental neurobiology using molecular, cellular, and developmental genetic approaches on model or nonmodel invertebrate or vertebrate or stem cell systems. This individual will contribute to undergraduate and graduate instruction in a molecular, cellular, and developmental biology (MCDB) program ([website: http://www.ksu.edu/mcdb](http://www.ksu.edu/mcdb)). Ph.D. or equivalent and postdoctoral training are required. The position will include a competitive salary and start-up package. The Division of Biology consists of a large, diverse unit of 50 faculty with a strong record of research productivity and funding with both established Investigators and eight recently hired faculty in MCDB ([website: http://www.ksu.edu/biology](http://www.ksu.edu/biology)). Applicants should submit curriculum vitae, selected reprints, summaries of research and instructional interests, and have three letters of reference sent to: Gary W. Conrad, Chair, Developmental Neurobiology Search Committee, Division of Biology, Kansas State University, 232 Ackert Hall, Manhattan, KS 66506-4901. Review of applications will begin January 7, 2002, and continue until the position is filled. *KSU is an Equal Opportunity Employer and actively seeks diversity among its employees.*

POSITIONS OPEN

EMINENT SCHOLAR IN VACCINE RESEARCH Georgia Research Alliance

The University of Georgia invites nominations and applications for a distinguished scholar with national and international accomplishments commensurate with appointment to a Georgia Research Alliance Endowed Professorship in the area of vaccine research. Applicants should show expertise and creativity in vaccine research and related disciplines including immunology, microbiology, parasitology, biochemistry, and genetics. The successful candidate will have the ability to establish and direct a research group with a primary focus on animal vaccines and the capability to cooperate with the private sector. The Eminent Scholar will be based in the Department of Medical Microbiology and Parasitology within the College of Veterinary Medicine and will have the exciting opportunity to build an interdisciplinary program with scholars at the University of Georgia as well as with Researchers among Georgia's other research universities and biomedical industries. The Scholar's program will occupy extensive laboratory space within the newly completed Animal Health Research Center, a unique 76,000-square-foot facility with state-of-the-art BL3 biocontainment capabilities. A generous laboratory equipment start-up package is provided. Applications will be considered as received with the first major review on March 1, 2002; applications received by that date are assured of consideration. To apply, send a letter describing research goals and accomplishments, curriculum vitae, and the names and addresses of four references to:

Dr. Harry W. Dickerson
Search Committee Chair
Associate Dean for Research and
Graduate Affairs
College of Veterinary Medicine
The University of Georgia
Athens, GA 30602-7371

An Affirmative Action/Equal Employment Opportunity Institution.

ASSISTANT PROFESSOR Microbiology, Molecular Biology, and Biochemistry

The Department of Microbiology, Molecular Biology, and Biochemistry at the University of Idaho seeks to fill an academic-year, tenure-track position beginning fall of 2002. This position comes with a highly competitive start-up package and is to be filled by a candidate capable of establishing a nationally competitive research program in basic biomedical research. We are particularly interested in those persons using advanced molecular and cellular techniques to study medically important questions in host-pathogen interactions involving viral, fungal, or protozoan pathogens. The successful candidate will be responsible for a one-semester undergraduate course to be taught each year and a graduate-level course in his/her area of expertise to be taught in alternate years. Applicants should have a Ph.D. in microbiology, biochemistry, cell biology or an appropriately related field, and postdoctoral experience with a strong publication record. Send a letter outlining research and teaching interests and philosophy, curriculum vitae, copies of significant publications, and three letters of reference to: Dr. Ken Bayles, Department of Microbiology, Molecular Biology, and Biochemistry, University of Idaho, Moscow, ID 83844-3052. Applications will be accepted until suitable candidates have been identified. More information about the Department can be found at [website: http://www.uidaho.edu/micro_biology](http://www.uidaho.edu/micro_biology). *The University of Idaho is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

PROGRAM IN VIRAL VACCINES AND PATHOGENESIS Seattle Biomedical Research Institute and Department of Pathobiology University of Washington

Applications are invited for a faculty position (**ASSISTANT** or **ASSOCIATE MEMBER**) at Seattle Biomedical Research Institute (SBRI). We seek a Cellular and/or Molecular Immunologist to join our program in viral vaccines and pathogenesis established in 2000. Corresponding academic appointment (Assistant or Associate Professor) in the Department of Pathobiology, School of Public Health and Community Medicine, University of Washington, is anticipated with details depending on interests and qualifications. SBRI is a highly interactive, Investigator-driven research institute with a focus on human pathogens of global importance. It is anticipated that this Investigator will establish an independent research program that focuses on HIV or other key human viral pathogens with an emphasis on primate models and humans. The research environment at SBRI and in Seattle is highly conducive to collaborative research in vaccines and pathogenesis with affiliations to the University of Washington (UW), the UW Regional Primate Research Center, and the UW Center for AIDS Research. Applicants must have an M.D. or Ph.D. in a laboratory-based discipline and a strong record of published research accomplishments. Participation in graduate student training will be expected. The position is available immediately; closing date for applications is January 31, 2002. Senior Investigators with a strong commitment to collaborative research are also encouraged to apply.

Please send curriculum vitae; statement of proposed research program; and names, addresses, and e-mail addresses of four references to:

Nancy L. Haigwood, Ph.D.
Seattle Biomedical Research Institute
4 Nickerson Street, Suite 200
Seattle, WA 98109-1651
E-mail: nhaig@sbri.org
Website: <http://www.sbri.org>

The UW is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. SBRI and UW are Equal Opportunity/Affirmative Action Employers.

The University of New Mexico School of Medicine invites applications for a **SENIOR RESEARCH SCIENTIST II** position in genomics/biocomputing at a newly established biocomputing facility. This Ph.D. staff person will participate in studies which involve analysis of gene microchip data, database formation, and pathway analysis. For specific information on requirements and to apply, refer to the vacancy announcement at [website: http://www.unm.edu/~hrnet/jobs/h31702.htm](http://www.unm.edu/~hrnet/jobs/h31702.htm) or Telephone: 505-272-6445. For program information, contact: Richard Larson; Telephone: 505-272-9762; e-mail: rlarson@salud.unm.edu. Applications accepted until 5 p.m. MST on February 8, 2002. This vacancy may be closed prior to the advertised closing date. Indicate the requisition number (H31702) and job title on all correspondence. *Equal Employment Opportunity/Affirmative Action.*

POSTDOCTORAL FELLOWSHIP Immunology

A Postdoctoral Fellowship in immunology is available March 2002 to study the role of endosomal proteases in MHC Class II-restricted antigen presentation. The Fellowship will focus on the use of selective proteases, inhibitors, and gene-targeted mice to explore the role of specific cysteine proteases in antigen presentation *in vitro* and in select *in vivo* models of autoimmunity (see [website: http://www.ucsf.edu/chapman](http://www.ucsf.edu/chapman)). Qualified candidates should have experience in molecular biology and immunology. Send curriculum vitae to: Harold A. Chapman, M.D., Cardiovascular Research Institute, University of California San Francisco, San Francisco, CA 94143. FAX: 415-476-2283; e-mail: halchap@itsa.ucsf.edu.



**SENIOR EXECUTIVE SERVICE
POSITION
U. S. ARMY RESEARCH OFFICE
RESEARCH TRIANGLE PARK, NC**

Applications are being solicited for the position of Director, Research and Technology Integration Directorate, at the U.S. Army Research Office located in Research Triangle Park, North Carolina. This is a top Senior Executive Service position with a salary range of \$117,479 - \$133,700 depending upon individual qualifications and salary history. The Director, Research and Technology Integration Directorate exercises technical direction and line authority over the integration of academic, industrial and Army technology base activities which interface Army Research Office products and operations with the technology base organizations within the Army Research Laboratory, the Department of the Army (DA) and Department of Defense (DOD), taking into consideration current DA technology requirements, impact on the Objective Force and future requirements of the 21st Century Army. He/she plans and manages special interest programs for which the Army Research Office (ARO) is assigned lead management responsibility including the Army Small Business Innovation Research and Small Business Technology Transfer Programs, DOD University Research Initiative, and DOD Historically Black Colleges and Universities/Minority Institutions Program. Provides staff oversight of the ARO extramural basic research program in the physical and engineering sciences to ensure regulatory compliance and consistency with overall program plans. Represents ARO, ARL, AMC, Army, and/or DOD at meetings with high level representatives of industry, academia, other government organizations and the scientific community. Participates in the formulation of national, DOD, and DA policy regarding technology base programs. Acts for the Director ARO in his absence with full delegated authority.

Applicants must be U.S. citizens, be able to obtain a Top Secret Clearance and comply with provisions of the Ethics in Government Act. Some travel is required.

Questions pertaining to the position may be directed to:

**Dr. Andrew Crowson, (919)549-4261
E-Mail: crowson@aro.arl.army.mil**

The complete announcement may be viewed and/or downloaded at www.usajobs.opm.gov

Interested individuals may obtain a complete application package by calling **Tammy Higgins, (703) 617-9415**. Complete applications must be received by 18 January 2002.

**NASA Goddard Space Flight Center
Visiting Fellows Program
In the Earth Sciences**

The Goddard Earth Sciences and Technology Center (GEST) and the NASA Goddard Earth Sciences Directorate are seeking highly qualified Ph.D. scientists for collaboration in scientific research relating to the observation, analysis and modeling of physical processes within the earth-atmosphere system, and to relevant global change issues. Selected candidates will be offered appointments as Visiting Fellows to pursue independent research in collaboration with scientists in the Laboratories within the Earth Sciences Directorate, and will have full access to NASA computing facilities and other resources at either the Goddard Space Flight Center in Greenbelt, MD or at the Goddard Institute for Space Studies in New York, NY. This solicitation is aimed at all levels from post-doctoral to senior scientists. We particularly encourage university faculty interested in sabbatical arrangements.

GEST is a new consortium of three universities (University of Maryland, Baltimore County, Howard University, and Hampton University) and two private industry partners (Caelum Research Corporation and the Northrop-Grumman Corporation) working under a Cooperative Agreement with the Goddard Space Flight Center to promote excellence in Earth science research. Goddard Space Flight Center is a world leader in research on the Earth and its environment through the development and use of near-Earth orbiting spacecraft. Research interests in the Earth Sciences Directorate include attaining knowledge and understanding of the components of the Earth system through experimental and theoretical studies using NASA technology, information science, and space observations. The approach includes instrument, algorithm and model development involving remote sensing and *in situ* measurements. The principal components of research and corresponding research interests are as follows:

Atmospheric Research: Involves the structural, dynamic, radiative, and chemical properties of the Earth's troposphere, stratosphere, mesosphere and thermosphere and the atmospheres of other planets. Research interests include ozone, clouds, aerosols, precipitation, regional and global climate, fronts, gravity waves, cyclones, thunderstorms, and convective systems. Data derives from optical, UV, IR and laser sensors, and *in situ* mass spectrometers.

Terrestrial Physics Research: Involves geological and geophysical processes of solid Earth and the planets, and global land surface properties, both vegetative and biological. Research interests include Earth and planetary gravity and magnetic fields, Earth's rotation, plate motion, volcanic activity, post-glacial rebound, land surface topography, biospheric processes, vegetation monitoring, and biosphere-atmosphere interactions. Data derives from space and ground based lasers, laser altimeters, field campaigns involving measurements in local ecosystems and the climate/oceanic/biospheric system.

Hydrospheric Research: Involves the oceanic, cryospheric and hydrologic sciences. Research interests include the natural variability of the physical climate system on seasonal-to-interannual time scales, the global carbon cycle, global land ice and sea ice covers, the global hydrological cycle, and interactions between the physical climate system and biogeochemical cycles. Data derives from optical, microwave, and laser sensors and *in situ* hydrologic measurements.

To apply, send a current curriculum vitae and the names and email addresses of three professional references along with a brief proposal (maximum three pages) that contains a statement of research interests, expected contributions to NASA's efforts, and your availability to:

**Dr. Robert J. Curran, Director
Goddard Earth Sciences and Technology Center
3.002 South Campus
University of Maryland, Baltimore County
1000 Hilltop Circle
Baltimore, MD 21250
Attn: Goddard Visiting Fellows Program
or send by email to: curran@umbc.edu**

Applications may be made at anytime of the year. Initial appointments are expected to be for periods up to one year with terms and exact start dates negotiable. Applicants wishing appointments to commence in fall 2002 should apply by January 18, 2002 to be considered. The latter applications will be reviewed and selections made by March 1, 2002. Review will be by a panel of university and NASA scientists based on relevance to NASA's missions, expertise and credentials offered, and clarity and feasibility of stated research goals within the proposed time frame and available resources. Compensation will be commensurate with experience and qualifications.

GEST partners are Equal Opportunity/Affirmative Action Employers. Applications from women and minorities are strongly encouraged. Due to NASA Goddard security regulations, citizens of certain nations may be ineligible.

POSITIONS OPEN

ASSISTANT PROFESSOR BIOCHEMISTRY

The Department of Chemistry at the University of Texas at El Paso invites applications for a tenure-track opening in biochemistry at the Assistant Professor level to begin August 2002. A Ph.D. in chemistry or biochemistry is required and postdoctoral experience is desired. The successful candidate must have a strong commitment to teaching at the undergraduate and graduate levels and is expected to develop an externally funded research program. It is anticipated that the successful candidate will play a leading role in the development of a new B.S. in biochemistry. Responsibilities include teaching biochemistry lecture and laboratory and participating in the M.S. in bioinformatics. Opportunities exist for collaborative research in health and with UTEP's Ph.D. programs in environmental science and engineering, materials science and engineering, pathobiology, and others. Candidates in all areas of biochemistry will be considered but those with a strong background in structural biochemistry and protein crystallography are especially encouraged. Candidates should submit a letter of application, detailed curriculum vitae, a statement of teaching philosophy, a description of proposed research, and should arrange for three letters of reference to be separately sent to: **Biochemistry, Assistant Professor Search Committee, c/o Dr. James E. Becvar, UTEP, Department of Chemistry, El Paso, TX 79968-0513.** Closing date for receipt of materials is January 31, 2002. More information about our Department can be found at [website: http://www.chemistry.utep.edu](http://www.chemistry.utep.edu). UTEP does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in Employment or the provision of services.

GUILFORD COLLEGE Greensboro, North Carolina

BIOLOGY, GENETICIST or MICROBIOLOGIST. Full-time, tenure-track position beginning August 2002. Major interest must be in teaching undergraduates (both majors and nonmajors). Primary teaching responsibilities include genetics, microbiology, biochemistry, general biology, and seminar for first-year students in area of interest. Must be committed to working closely with students; guiding their research and internships; and serving as an academic adviser, particularly with students interested in the health professions. Although the applicant's major extradepartmental focus will be in health sciences, applicants interested in developing an additional course such as microbial ecology for the environmental studies program are invited. Ph.D. required. Guilford College is a private, selective, coeducational liberal arts college of 1,200 students founded by the Religious Society of Friends (Quakers). Please send letter of application, curriculum vitae, three references to: **Dr. Lynn Moseley, Biology Department, Guilford College, Greensboro, NC 27410.** Review of applications will begin February 1, 2002. *Affirmative Action/Equal Opportunity Employer. Guilford College seeks applications from people representative of diversity based on age, race, gender, sexual orientation, disabilities, ethnicity, religion, national origin, career and life experiences, socioeconomic background, and geographic roots as well as members of the Society of Friends.*

STATISTICIANS: The Procter & Gamble Company is seeking Statisticians for entry-level positions in our Biometrics and Statistical Sciences Department. Successful candidates will be involved in clinical study design and will be responsible for analyzing the data and reporting the statistical findings. All positions require a Ph.D. in statistics, at least a year of relevant postdoctoral training, a history of utilizing SAS and S Plus in clinical trials, and strong written and oral communication skills. Experience with clinical trials involving over-the-counter health care products is preferred. Qualified candidates should apply electronically to this position by going to [website: http://www.pg.com/jobs/apply_now](http://www.pg.com/jobs/apply_now) and referencing Ad Code NAUSD001194. P&G is an Equal Opportunity Employer.

POSITIONS OPEN

FACULTY POSITION COGNITIVE/AFFECTIVE NEUROSCIENTIST Health Psychology/Behavioral Neuroscience Program University of California, San Francisco

The University of California, San Francisco (UCSF), seeks an **ASSISTANT PROFESSOR** in cognitive or affective neuroscience for the Health Psychology/Behavioral Neuroscience Program. We prefer candidates who are actively engaged in human research in cognitive or affective neuroscience whose work is applicable to health issues. Candidates can have a Ph.D. in psychology and/or neuroscience or an M.D. with Board eligibility in psychiatry. The appointee will play a role in the development of a joint graduate program in health psychology and behavioral neuroscience involving UCSF and University of California Berkeley. Outstanding applicants who have a strong commitment to research and teaching and an interest in collaborative, interdisciplinary research are encouraged to apply. Applicants should send curriculum vitae, statement of research and teaching interests, and the names of three references to: **Paul Ekman, Ph.D., Search Committee Chair, c/o Catherine Yunker, 401 Parnassus Avenue, San Francisco, CA 94143.** Applications will be reviewed beginning February 1, 2002; the position will be open until filled. *The University of California is an Equal Opportunity/Affirmative Action Employer. The University undertakes Affirmative Action to assure Equal Employment Opportunity for underrepresented minorities and women, for persons with disabilities, and for Vietnam-era veterans and special disabled veterans.*

WEILL MEDICAL COLLEGE OF CORNELL UNIVERSITY Department of Pharmacology

Candidates are sought for tenure-track positions at the level of **ASSISTANT PROFESSOR.** Candidates with interests in a wide range of areas related to the disciplines of pharmacology and clinical pharmacology will be considered. The responsibilities of this position include development of an active, independent research program and participation in both medical and graduate student teaching programs in the Department. Applicants should send curriculum vitae, a summary of proposed research, and should arrange to have letters sent from at least three Scientists who can evaluate the candidate's accomplishments. Weill Medical College of Cornell University is a part of the New York Presbyterian-Weill Cornell Medical Center and is adjacent to Memorial Sloan-Kettering Cancer Center and Rockefeller University. Applications should be sent to: **Chair, Pharmacology Search Committee, Box 70, Pharmacology Department, Weill Medical College, 1300 York Avenue, New York, NY 10021. FAX: 212-746-8858.** *Equal Employment Opportunity/Affirmative Action/Minorities/Females/Disabled/Veterans.*

PEDIATRICS/NEONATOLOGY
University of Kentucky College of Medicine
ASSOCIATE PROFESSOR/ASSISTANT PROFESSOR. The University of Kentucky is interested in recruiting an M.D./Ph.D. or a Ph.D. faculty member on tenure track. The faculty member will direct the research laboratory in neonatal physiology; pursue independent research; and collaborate with Clinical Researchers who are interested in understanding mechanisms of perinatal brain injury, potentially translating basic science findings to clinical trials for neuroprotection and therapy. The faculty member will also provide mentorship in basic science research to Postgraduate Fellows. Experience in collaborative research with Clinicians and background in developmental cerebral/cardiovascular physiology, neuroscience, and or cell biology preferred. The bluegrass area of Kentucky provides outstanding quality of life and a progressive university. Candidates should contact: **Dr. Henrietta S. Bada, Chief of Neonatology, University of Kentucky Medical Center, 800 Rose Street, Lexington, KY 40536. E-mail: csams0@uky.edu; website: http://www.mc.uky.edu/chuk.** *Equal Opportunity Employer.*

POSITIONS OPEN

VA ASSOCIATE CHIEF OF STAFF FOR RESEARCH

**Miami Veterans Affairs Medical Center
and the University of Miami School of Medicine**

The Miami VAMC and UMSM invite applications for the position of Associate Chief of Staff for Research at the VAMC. The position entails responsibility for leadership and oversight of the existing research program at the VAMC and the development of new programs in collaboration with our closely affiliated School of Medicine. Candidates should possess M.D. and/or Ph.D. degrees and have strong leadership and administrative skills and a record of scientific accomplishment. Faculty appointment will be made in a department of the UMSM appropriate to the individual's background.

Support for the Miami VAMC research program totals more than \$9 million annually including funds administered by the South Florida VA Foundation for Research and Education. The Miami VAMC hosts a Geriatric Research, Education, and Clinical Center (GRECC) and Centers for Spinal Cord Injury Rehabilitation Research, Behavioral Medicine Research, HIV/AIDS, and Hepatitis.

Applicants should submit a letter of interest, current curriculum vitae, and the names of three references to: **Chair of the ACOS Search Committee, Herman S. Cheung, Ph.D., Research Service (151), VA Medical Center, 1201 N.W. 16th Street, Miami, FL 33125.** Consideration of applications will be ongoing until January 31, 2002.

The Miami VAMC and UMSM are Equal Opportunity Employers and encourage the applications of women and minorities.

MICROBIOLOGY FACULTY POSITION University of Utah

The Department of Biology at the University of Utah invites applications for a tenure-track faculty position in the general area of microbiology. While we hope to make an appointment at the **ASSISTANT PROFESSOR** level, more senior candidates will be considered. We seek an individual who can contribute to both the research and teaching activities of a department with unusually broad interests ranging from biochemistry to community ecology. Research areas of particular interest for this appointment include metabolism/energetics and population biology/evolution, but we will consider candidates working in any area of microbial biochemistry, physiology, genetics, or ecology. In addition to developing a strong research program, the successful candidate will be expected to contribute to teaching at the undergraduate and graduate levels including courses in microbiology. Please submit curriculum vitae, a description of research and teaching interests, several representative publications, and three letters of reference to: **John Roth, Chair, Microbiology Search Committee, Department of Biology, University of Utah, 257 South 1400 East, Salt Lake City, UT 84112-0840.** Review of applications will begin January 15, 2002. *The University of Utah is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities and provides reasonable accommodation to the known disabilities of applicants and Employees.*

POSTDOCTORAL RESEARCH ASSOCIATES

Using gene arrays and proteomics, we are identifying proteins differentially expressed in the brain during drug self-administration. We seek individuals trained in neuropharmacology or neuroscience who are interested in understanding the functions of these molecules involved in addiction/brain plasticity. Qualified individuals will have strengths in *in situ* hybridization, immunocytochemistry, receptor autoradiography, and the analysis of protein phosphorylation. Please send curriculum vitae, detailed statement of research interests, and three reference letters to: **Burt Sharp, M.D., Department of Pharmacology, University of Tennessee, 874 Union Avenue, Memphis, TN 38163. E-mail: bsharp@utmem.edu.**

POSTDOCTORAL POSITIONS



MOLECULAR MICROBIOLOGY AND IMMUNOLOGY

The Department of Molecular Microbiology & Immunology (MMI) at the University of Missouri is currently in a significant growth phase, enjoying a substantial University commitment of resources. MMI is an integral part of state and federally supported programs in Molecular Biology (MBP), Microbial Pathogenesis and Immunity (PMPI), and Prevention of Animal Infectious Diseases (PPAID), and provides a highly interactive, rich, and supportive scientific environment. Facilities are excellent and include state-of-the-art core facilities for nucleic acid sequencing, flow cytometry, confocal, fluorescence and electron microscopy, mouse transgenics, ES cell manipulations, hybridoma production, comprehensive protein analysis and production, proteomics, and microarray facilities.

General areas of research include:

- Regulation of gene expression in prokaryotic pathogens including: iron regulated operons in *E. coli* and phase variation in mycoplasmas
- Prokaryotic genomics
- Membrane protein structure and function in pathogens; mechanisms of phenotypic switching; surface antigen variation
- Pathogenic mechanisms of *Haemophilus influenzae* including horizontal transmission of virulence gene(s)
- Pathogenic mechanisms of *Rickettsia*, *Ehrlichia* and *Borrelia*
- Activation and differentiation of human CD8⁺ T lymphocytes, HIV vaccines
- Regulation and expression of human toll receptors
- Autoimmune diseases
- Molecular aspects of Viral Pathogenesis, Molecular Virology
- Regulation of cell cycle and gene expression in yeast
- Parasitic nematodes: identifying genes critical for fertility in *Ascaris*; germline development in the model organism, the free-living nematode *Caenorhabditis elegans*
- T cell biology and autoimmunity

Complete descriptions of research programs are available on our web site: www.missouri.edu/~mmiwww.

Interested candidates should submit a curriculum vitae to:

Postdoctoral Opportunities

Attn: Ms. Shelly Crawford,

Office Supervisor

University of Missouri-Columbia

Dept. of Molecular Microbiology
and Immunology

M616 Medical Sciences Building

Columbia, MO 65212

(573) 882-8989

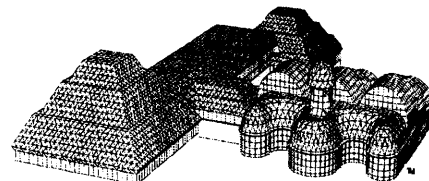
Email: crawfords@missouri.edu

The University of Missouri is an Affirmative Action, Equal Opportunity Employer.

Women and members of traditionally under-represented minorities are encouraged to apply. To request ADA accommodations, please contact our ADA Coordinator at (573) 884-7278, or email try@missouri.edu.



THE COLUMBIA EARTH INSTITUTE BIOSPHERE 2 CENTER ...exploring Earth's future



FACULTY APPOINTMENTS IN EARTH SYSTEMS SCIENCE

to provide research leadership at
Columbia University's Biosphere 2 Center, Oracle, Arizona.

Six Columbia University faculty appointments (non-tenured or tenured, at any level) are sought to lead multi-disciplinary research programs in the Biosphere 2 Laboratory (B2L), in the following fields and related areas:

- Terrestrial plant ecophysiology, with proven ability to lead research in the diverse biomes of B2L.
- Biological oceanography, with emphasis on plant activities in the B2L ocean biome.
- Soil science, with emphasis on instrumentation or microbiology needed to integrate soil and above ground processes.
- Stable isotopes as integrators of complex system behavior and indicators of component processes in different biomes of B2L.
- Radiation based remote sensing as integrators of complex system behavior and indicators of component plant processes in the biomes of B2L.
- Modeling of B2L as a system, and of complex earth systems that include plants.

Successful applicants will have established outstanding personal research programs, and will have a commitment to building multi-user teams focused on research in the different biomes of B2L. They will be located in Arizona at the Biosphere 2 Center, but hold appointments in appropriate Columbia University Departments. They will be expected to take advantage of generous leave provisions to sustain links with the host departments at Columbia, and for research activities at other sites. Significant start-up research grants will be negotiated, but programs are expected to become self-sustaining. Appointees are also expected to contribute a proportion of their time to educational programs in the Biosphere 2 Center.

Now proven as an indispensable prototype apparatus for global and climate change science, the B2L is the largest controlled environment growth and measurement facility available for analysis of complex system responses in the ocean, and in the soil-plant-atmosphere continuum of rainforest, agro-forestry and desert ecosystems. It offers unparalleled opportunities for experimental manipulation of mass, flux and isotope exchange measurements of key elements at the mesocosm scale. Research in the Biosphere 2 Laboratory thus complements and extends that done in other systems, testing hypotheses and generating the evidence needed to scale from the laboratory to the landscape. A summary of the facility and its capabilities, and of recent research achievements, is available on www.bio2.

A letter of interest, curriculum vitae along with the names and complete contact information of three referees should be sent to the attention of the appropriate search committee (Terrestrial Plant Ecophysiology, Biological Oceanography, Soil Science, Stable Isotopes, Remote Sensing or Modeling) at the address listed below. Electronic applications are strongly encouraged and should be emailed to FRL@bio2.columbia.edu. Please send separate application materials for each position in which you are interested. **Biosphere 2 Center, Attn: Susan Adamiec, Administrative Associate, P.O. Box 689, Oracle, AZ 85623.** Review of applications will begin on January 15, 2002 and all positions will remain open until filled.

Columbia University is an Equal Opportunity Employer. Minorities and women are encouraged to apply.



COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK AND IN THE DESERT OF
ORACLE, ARIZONA

POSITIONS OPEN

BIOLOGY AND SCIENCE EDUCATION

The Biology Department at Western Washington University invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level to begin September 2002. The applicant must have a Ph.D. in biological science by August 2002; postdoctoral experience is desired. Biology specialty is open but a Biologist who integrates research across biological subdisciplines is preferred. WWU is in the city of Bellingham between Seattle and Vancouver, B. C., on the shores of Bellingham Bay along the foothills of the Cascade Mountains. The region comprises a rich diversity of terrestrial and marine habitats. The applicant should provide evidence of experience and the ability to teach courses in introductory biology, courses in the applicant's area of biological expertise, and methods and curriculum courses in science education. Applicant must have experience in at least one of the following: (1) developing educational programs, (2) training K-12 teachers, or (3) conducting workshops for science teachers. The successful applicant will be expected to maintain an active program of biological research, seek extramural funding, and mentor undergraduate and M.S. graduate student research. An important part of the application package will be concise statements of interests and accomplishments in (1) biology teaching, (2) biology research, and (3) science education. Applicant is also required to submit (4) full curriculum vitae; (5) transcripts and lists of relevant biology and science education coursework; (6) names, addresses, e-mail addresses, telephone and FAX numbers of four references to: **Rich Fonda, Search Committee, Chair, Biology Department, Western Washington University, 516 High Street, Bellingham, WA 98225-9160. Telephone: 360-650-6599; (WA ST TTY RELAY) #1-800-833-6388; FAX: 360-650-3148.** Full position announcement at [website: http://fire.biol.wvu.edu/biology/](http://fire.biol.wvu.edu/biology/). For full consideration, the application package should be received by January 15, 2002. *Affirmative Action/Equal Opportunity Employer. For disability accommodation, Telephone: 360-650-3771 (voice) or 360-650-7696 (TTY).*

MAMMAL ECOLOGIST

The Department of Environmental and Resource Sciences seeks a tenure-track **ASSISTANT PROFESSOR** in wildlife and conservation biology with expertise in the ecology of large mammals to begin July 1, 2002. Candidates with a broad range of interests (for example, population biology, wildlife nutrition, and behavior) will be considered; two years of professional experience post-Ph.D. is preferred. Candidates are expected to develop a competitively funded research program, a dynamic graduate training program, and to play an integral role in developing a curriculum in wildlife and conservation biology. Candidates with interests in working in arid and montane ecosystems and interacting with state and federal agencies are especially encouraged to apply. Applicants should send a cover letter; statements of teaching and research interests; current curriculum vitae; and have three letters of reference sent by February 1, 2002, to: **Ms. Jean Freestone, Department of Environmental and Resource Sciences, University of Nevada Reno, 1000 Valley Road, Reno, NV 89512. Telephone: 775-784-4020; e-mail: freestone@cabnr.unr.edu.** View complete position announcements and requirements at [websites: http://www.ag.unr.edu/coa/employ.htm](http://www.ag.unr.edu/coa/employ.htm) and/or <http://jobs.unr.edu>. *Equal Employment Opportunity/Affirmative Action.*

POSTDOCTORAL POSITION

Mouse Developmental Genetics/Genomics

Positions are available to study (1) embryonic lethal mutations induced by region-directed ENU mutagenesis and (2) haploinsufficient and imprinted loci uncovered by chromosomal deletions. To inquire, send curriculum vitae to: **John Schimenti, Ph.D., The Jackson Laboratory, Bar Harbor, ME 04609. E-mail: jcs@jax.org; Telephone: 207-288-6402; website: http://www.jax.org/~jcs.**

POSITIONS OPEN

A **POSTDOCTORAL APPOINTMENT** is available immediately in the Division of Genetic and Reproductive Toxicology at the National Center for Toxicological Research (NCTR) in Jefferson, Arkansas. It involves studies of the mechanism of developmental toxicants in both *in vivo* and *in vitro* model systems. Duties include dissection of rodent embryos/fetuses with subsequent histological (*in situ* hybridization, immunohistochemistry) or molecular biology (RT-PCR assays, genomics, cloning) techniques applied to tissues.

Candidates will have a background in embryology, toxicology, or molecular biology and those with experience in genomics will be given special consideration.

The one-year appointment may be renewed annually for up to three years. The stipend range is \$40,000 to \$45,000 per year.

E-mail a résumé and a cover letter with a statement of future goals to e-mail: dhansen@nctr.fda.gov or mail paper copies to:

**Dr. Deborah Hansen
Division of Genetic and
Reproductive Toxicology
National Center for Toxicological Research
3900 NCTR Drive
Jefferson, AR 72079-9502**

Administered by the Oak Ridge Institute for Science and Education.

FACULTY POSITION

**Department of Molecular and Medical Genetics
Oregon Health and Science University
Portland, Oregon**

Applications are invited for an **ASSISTANT PROFESSOR** position. The Department seeks individuals who have demonstrated research excellence in eukaryotic genetics. Applicants with special expertise in molecular and developmental genetics are encouraged to apply in order to complement existing programs. Applicants should include curriculum vitae, a brief description of research accomplishments and future research goals, and the names of three references. Deadline is February 1, 2002. Please address applications to:

**Markus Grompe, M.D.
c/o Glenda Benton
Department of Molecular
and Medical Genetics, L103
Oregon Health and Science University
3181 S.W. Sam Jackson Park Road
Portland, OR 97201-3098
Website: <http://www.ohsu.edu/som-genetics/>**

OHsu is an Equal Employment Opportunity/Affirmative Action Employer.

TENURE-TRACK POSITIONS

Molecular Endocrinology and Metabolism

Baylor College of Medicine is seeking outstanding Scientists (M.D., Ph.D., M.D./Ph.D.) with a strong record of research for tenure-track positions (**ASSISTANT** or **ASSOCIATE PROFESSOR** level) in molecular endocrinology and metabolism. Preference will be given to candidates with strong research in diabetes-related areas, e.g., islet cell biology, developmental biology, and insulin secretion and action but qualified candidates in all areas of molecular endocrinology/metabolism will be considered. Physician-Scientist candidates have an option of limited clinical attending at a Baylor-affiliated hospital but excellence in research is the primary requirement. There is a core of outstanding Scientists in molecular endocrine research at Baylor; opportunities for interaction and collaboration are excellent.

Applicants should submit curriculum vitae including a summary of current and future proposed research and arrange for three letters of recommendation to be sent to: **Dr. Lawrence Chan, Chief, Division of Endocrinology and Metabolism, Department of Medicine, Baylor College of Medicine N803, One Baylor Plaza, Houston, TX 77030.** *Baylor is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

TENURE-TRACK FACULTY POSITIONS Microbial Pathogenesis

The Center for Microbial Pathogenesis at the University of Connecticut Health Center is seeking individuals with Ph.D., M.D./Ph.D., or M.D. degrees with outstanding backgrounds in the molecular and cellular biology of bacterial, fungal, or parasitic infections for positions at the **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** level. The successful applicant will be expected to establish an independent research program and contribute to a rich, interactive scientific environment. To this end, he/she will be provided with a generous start-up package and space in a newly constructed research building. Our Medical Center also contains state-of-the-art core facilities for nucleic acid sequencing, DNA microarray analyses, flow cytometry, confocal fluorescence and electron microscopy, mass spectrometry, and mouse transgenics. Candidates may apply by submitting three copies of complete curriculum vitae, three letters of reference, and a one- to two-page statement of research interests/goals to: **Dr. Justin Radolf, Director, Center for Microbial Pathogenesis, c/o Ms. Kimberly Young, Center for Microbial Pathogenesis, University of Connecticut Health Center, 263 Farmington Avenue, Farmington, CT 06030-3710. E-mail: kyoung@up.uchc.edu.** To learn more about our Center, access our **website: <http://cmp.uchc.edu>.** *University of Connecticut Health Center is an Affirmative Action/Equal Opportunity Employer. Minority/Female/People With Disabilities/Veteran.*

REGULATORY HEALTH PROJECT COORDINATOR/MANAGER

**Positions in Vaccines
U.S. Food and Drug Administration (FDA)
Rockville, Maryland**

Regulatory Health Project Coordinator/Manager positions are available in the Office of Vaccines Research and Review, Center for Biologics Evaluation and Research, FDA, for persons with a B.S. or Master's degree in biology, molecular microbiology, immunology, chemistry, or a related field. Registered nurses (RN) are also eligible. The individual will manage projects for investigational viral and/or bacterial vaccine applications. The candidate should have strong organizational and communication skills. *Requirements include U.S. citizenship.* The positions range from GS-12 (starting at \$53,156) to GS-13 (starting at \$63,211). The candidate may also be eligible for the PHS Commissioned Corp. Please mail curriculum vitae to: **Kerin Denault, Office of Vaccines Research and Review, 1401 Rockville Pike, Suite 370N/HFM-475, Rockville, MD 20852-1448. Telephone: 301-827-3070; FAX: 301-827-3532.** *FDA is an Equal Opportunity Employer.*

DEAN, College of Basic and Applied Sciences, Middle Tennessee State University. Located in Murfreesboro (30 miles from Nashville), MTSU is the fastest growing university in Tennessee (currently 20,000 students). The college offers 15 undergraduate major programs. Six of the 10 departments within the college offer Master's degrees and one department offers a Doctor's degree. The college has 174 faculty and approximately 3,700 undergraduate majors. For a complete announcement, see **website: <http://www.mtsu.edu/~chem/positions.html>.**

POSTDOCTORAL POSITIONS. Microarray analysis of glucocorticosteroid-regulated genes encoding glucocorticoid-induced cell cycle arrest and apoptosis in leukemia/lymphoma cells. Send curriculum vitae, statement of research interests/career goals, and names of three references to: **Dr. Clark W. Distelhorst, Case Western Reserve University, Cleveland, OH. E-mail: cwd@po.cwru.edu; website: <http://pharmacology.cwru.edu/Faculty/Distelhorst.htm>.** *CWRU is an Equal Opportunity Employer.*

DIRECTOR OF RESEARCH

Naval Research Laboratory



ES 5 or 6, \$133,700* per annum (includes locality pay)
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Become the leader of an elite research and development community involved in basic and applied scientific research and advanced technological development for tomorrow's Navy and for the Nation.

- Provides executive direction and technical leadership to the scientific and support divisions of NRL, which as the Navy and Marine Corps Corporate Laboratory, conducts a broadly based multi-disciplinary program of scientific research and advanced technological development directed toward new and improved material, equipment, techniques, systems, and operational procedures.
- Directs the planning of a long-range research program and formulates operating policies for the Laboratory.
- Represents NRL and the Commanding Officer in contacts and consultations with other Government organizations and with industrial and university laboratories.
- Applicants should be recognized as national/international authorities and should have planned and executed difficult programs of national significance that show outstanding attainments in their field of research.
- Visit NRL's Executive Search website at <http://www.jobs.nrl.navy.mil/> for application procedures.
- Receipt by 31 January 2002 is required.
- For further information contact Kathy Weaver, Human Resources Office, NRL at Kweaver@HRO1.nrl.navy.mil or (202) 404-8305.

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GLOBAL OPPORTUNITIES



NATIONAL SCIENCE FOUNDATION

HEAD TOKYO REGIONAL OFFICE

The National Science Foundation (NSF) invites applications for the Head of its Tokyo Regional Office located in the American Embassy in Tokyo, Japan. The Office represents NSF in Japan. The incumbent's responsibilities include reporting on science policy and programs, maintaining relationships with Japanese organizations, coordinating on NSF's research and exchange programs, and overseeing the efficient performance of all operations of the Office.

This position may be filled through temporary appointment, Inter-governmental Personnel Act assignment, or reimbursable interagency detail. The NSF salary for the position currently ranges from \$95,652 to \$114,200, plus Government allowances for overseas posting. The position is for a minimum period of two years with the possibility of extension for up to an additional two years. The appointment will begin in August 2002.

Applicants must have a Ph.D. or equivalent professional experience or combination of education and equivalent experience in science, technology, engineering or mathematics, plus six or more years of successful research, research administration, and/or managerial experience.

Announcement E20020034, with application procedures, is located on the NSF Home Page at <http://www.nsf.gov/home/menus/jobs.htm>. Applicants may also obtain the announcements by contacting the Executive Personnel Staff, 703-292-8755 (Hearing impaired individuals may call TDD 703-292-8044). Formal consideration of applications is expected to begin in early January 2002.

NSF IS AN EQUAL OPPORTUNITY EMPLOYER

Postdoctoral Opportunity National Institutes of Health

Postdoctoral position is available for studies on the genetic regulation of mammalian germ cell and sexual development. Experience in molecular biology techniques, cell culture and animal experimentation desirable. Candidates must have a Ph.D. degree and less than 5 years postdoctoral experience. The salary level is commensurate with experience (minimum \$30,800 per annum).

Interested applicants should submit curriculum vitae, bibliography, a statement of research interest, and three letters of reference to:

Wai-Yee Chan, Ph.D.
National Institutes of Health, NICHD
Bldg. 49, Room 2A08
49 Convent Drive MSC 4429
Bethesda, MD 20892-4429
(301) 451-8821; Fax (301) 480-4700
chanwy@mail.nih.gov

Apply before January 1, 2002.

POSITIONS OPEN

CHAIR, DEPARTMENT OF BIOLOGY GEORGIA SOUTHERN UNIVERSITY

Georgia Southern University invites applications for the position of Chair of the Department of Biology beginning July 1, 2002. The Department has a broad integrative biology program leading to B.S. and M.S. degrees ([website: http://www.bio.gasou.edu/](http://www.bio.gasou.edu/)). The Chair is expected to provide leadership for the teaching, research, and service missions of the Department. Candidates must have the Ph.D. degree in one of the biological sciences from an accredited institution and have credentials consistent with those of tenured faculty members holding the rank of **ASSOCIATE** or **FULL PROFESSOR** at Georgia Southern University. The successful candidate will be a nationally recognized scholar with an established, Investigator-initiated research program. The new Chair will possess strong administrative, leadership, and interpersonal skills; will support and encourage the independent scholarly activities of faculty; and will have demonstrated a commitment to teaching excellence. Ability to work with diverse populations preferred.

Complete applications will include a letter addressing the qualifications cited above; curriculum vitae; statement of research interests; and names, addresses, and telephone numbers of five persons who may be contacted as references. Send applications to: **Dr. Dallas D. Rhodes, Biology Chair Search Committee, Georgia Southern University, Box 8149, Statesboro, GA 30460.** Review of applications has begun and will continue through January 14, 2002. Georgia is an open records state. Individuals who need reasonable accommodations under the Americans With Disabilities Act in order to participate in the search process should contact the Search Chair. Equal Opportunity/Affirmative Action Institution.

PLANT EVOLUTIONARY GENETICIST TENURE-TRACK POSITION The University of Montana

The Division of Biological Sciences invites applications for a tenure-track **ASSISTANT/ASSOCIATE PROFESSOR** in plant evolutionary genetics (start date August 2002). We are seeking candidates who integrate a variety of approaches to study the genetic basis of adaptive evolution in natural plant populations. The candidate is expected to develop a vigorous, externally funded research program; to interact with other faculty and students ([website: http://biology.dbs.umt.edu/dbs](http://biology.dbs.umt.edu/dbs)); and to mentor undergraduate and graduate students. Teaching expectations include a core course in genetics and evolution in alternate years, local/regional flora, and advanced course or seminar in areas of specialty. Requirements include a Doctoral degree and a strong record of research accomplishments. Teaching experience and postdoctoral research are highly desirable. Send letter of application, curriculum vitae, statement of research goals, teaching interests, and philosophy, and three letters of reference to: **Dr. Anna Sala, Chair, Plant Evolutionary Geneticist Search Committee, Division of Biological Sciences, The University of Montana, Missoula, MT 59812. Telephone: 406-243-5122; FAX: 406-243-4184.** For full consideration, complete applications should be received by January 25, 2002. The University of Montana is an Affirmative Action/Equal Opportunity Employer. State veterans preference.

POSTDOCTORAL POSITIONS HEART FAILURE

Two NIH-funded Postdoctoral positions available immediately to study gene regulation and molecular pathways relevant to pathogenesis of heart failure. Ph.D. required. Experience in basic molecular biology, cell culture, and transgenic mouse techniques will be helpful but not essential. Send curriculum vitae, reprints/abstracts, and three names of references to: **Maresh P. Gupta, Ph.D., Department of Surgery (Cardiac, MC 5040), University of Chicago, 5841 South Maryland Avenue, Chicago, IL 60637. E-mail: mgupta@surgery.bsd.uchicago.edu.**

POSITIONS OPEN



RESEARCH GENETICIST/PHYSIOLOGIST

The Agricultural Research Service, U.S. National Arboretum in Washington, D.C., is seeking a Research Geneticist/Physiologist with responsibility for a research program that will lead to (1) improved understanding of the basic biology of stress responses of turfgrasses and determination of the genetic processes underlying stress responses; (2) improved techniques for efficient plant selection and breeding for desirable traits; (3) effective use of molecular techniques in germplasm enhancement; and (4) the development and release of new and improved germplasm of turfgrass species for use on home lawns, business landscapes, roadsides, parks, and recreational facilities. Applicants must have a degree in genetics, physiology, or a related biological science that included at least nine semester hours in genetics. In addition, applicants must have one year of specialized experience as indicated in the vacancy announcement or applicants at the GS-12 level can also qualify with either a Ph.D. or equivalent Doctoral degree with emphasis on genetics or physiology. *Must be U.S. citizen.* Salary for GS-12 ranges from \$53,156 to \$69,099; GS-13 salary ranges from \$63,211 to \$82,180; GS-14 salary ranges from \$74,697 to \$97,108 depending on experience. Closing date of this announcement is January 7, 2002. **Telephone: 301-504-1482** to request a copy of ARS-X1E-2034 or access **website: http://www.ars.usda.gov.** For specific questions, **Telephone: 301-504-1333.** USDA/ARS is an Equal Opportunity Provider and Employer.

The U.S. Department of Agriculture, Animal, and Plant Health Inspection Service, Plant Protection and Quarantine, Riverdale, Maryland, is seeking four full-time **BIOTECHNOLOGISTS** with scientific expertise in at least one of the following areas: plant molecular biology, entomology, weed science, turfgrass biology, forestry or fruit tree biology, plant breeding, ecology, or population genetics. The position is a Biotechnologist, GS-0401-12/13. Appropriate qualifying education and experience is required (see Vacancy Announcement). Salary range is \$53,156 to \$82,180. The Biotechnology Program is responsible for authorizing field testing of engineered organisms and is part of the federal government's review authorizing the commercial use of engineered plants and microorganisms. Represents the program when participating in professional societies, committees, and meetings. Prepares a variety of environmental documents, reports, technical analyses, and position papers on different aspects of biotechnology. For more information, e-mail: james.l.white@aphis.usda.gov. Please refer to the Vacancy Announcement 9-77-055-2 (status applicants) and 24-77-142 (nonstatus applicants) for specific requirements and application procedures. To obtain a copy of the Vacancy Announcement, you may visit **website: http://www.aphis.usda.gov/mb/mrphr/jobs/vacancy.html.** *Must be U.S. citizen.*

POSTDOCTORAL/RESEARCH ASSOCIATE POSITIONS are available to study the molecular signaling mechanisms, structure-function relationships, and gene expression of vasoactive peptide hormone receptors in mammalian cells *in vitro* or in gene-targeted mutant mouse models *in vivo*. All candidates must have a Ph.D. or M.D. degree; strong background either in molecular biology, protein chemistry, and/or renal/cardiovascular physiology is required. Interested candidates should send résumé and names of two references to: **Dr. K. N. Pandey, Department of Physiology SL-39, Tulane University Health Sciences Center, New Orleans, LA 70112. E-mail: kpandey@tulane.edu.** An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

MAGNETIC RESONANCE IMAGING Northwestern University and Evanston Northwestern Healthcare

The Biomedical Engineering (BME) Department at Northwestern University and the Evanston Northwestern Healthcare Research Institute (ENHRI) seek a **FACULTY MEMBER** with research interests in magnetic resonance imaging, particularly in the development and implementation of advanced imaging technologies that may have applications for functional and molecular imaging. ENHRI currently has expertise in and dedicated research instruments for neural, cardiovascular, and functional body imaging of humans and animals, and there will be extensive collaboration with the new interdepartmental Molecular Imaging program at Northwestern University. The successful candidate will be expected to develop an outstanding, independent research program; collaborate with others across Northwestern and its associated hospitals; and teach undergraduate and graduate students. The rank of appointment, which will be in radiology in the Northwestern University Medical School as well as BME in the Robert R. McCormick School of Engineering and Applied Science, is open. Applications including a letter; curriculum vitae; names of references; and statement of research interests should be submitted by January 1, 2002, for full consideration to: **Dr. Robert R. Edelman, Chair, Search Committee, Department of Radiology, Evanston Hospital, 2650 Ridge Avenue, Evanston, IL 60201.** The earliest starting date is September 1, 2002. Northwestern and ENHRI are Affirmative Action/Equal Opportunity Employers. Hiring is contingent upon eligibility to work in the United States. Women and candidates from underrepresented minority groups are encouraged to apply.

The Department of Biology, California State University, Bakersfield, is currently conducting searches for the following two positions available September 1, 2002. **ASSISTANT PROFESSOR**, tenure track, in molecular microbiology. Candidates must have a Ph.D. in a biological science and will be expected to teach molecular and microbiology and conduct research in their area of specialization. Position dependent upon final approval. **ASSISTANT PROFESSOR**, tenure track, General Botanist. Candidates must have a Ph.D. in a biological science (botany) with an interest in natural history and science education. The primary teaching responsibility will be to teach an upper-division science course (integrating physical and life sciences) for K-8 pre-teachers. Other major or nonmajor courses assigned as needed. Application deadline: February 1, 2002, for both positions. See **website: http://www.csusb.edu/biology** for full descriptions, qualifications, and application instructions or contact: **Department of Biology, California State University, Bakersfield, CA 93311-1099. Telephone: 661-664-3089; FAX: 661-665-6956.** California State University, Bakersfield, is an Affirmative Action/Equal Opportunity Employer.

FLOW CYTOMETRY SPECIALIST

Cold Spring Harbor Laboratory has an immediate opening for an operator of its flow cytometry facility. The qualified individual will be responsible for the day-to-day operation of the facility and will need to be able to interact and communicate with faculty in the development of new projects requiring flow cytometry. Duties include scheduling, data acquisition and analysis, data management, instrument maintenance, and general support for Scientists using the facility. Candidates should have an M.S. or Ph.D. in cell biology or a related area or a B.S. with documented experience utilizing flow cytometry.

We offer a competitive salary including comprehensive benefits plus on-site child care center. For immediate consideration, send your résumé and the names of three references to: **Human Resources/LTFLOW, Cold Spring Harbor Laboratory, 1 Bungtown Road, Cold Spring Harbor, NY 11724. FAX: 516-367-6850; e-mail: jobline@cshl.edu; website: <http://www.cshl.edu>.** Equal Opportunity Employer.

FACULTY POSITION MOLECULAR AND CELLULAR PHARMACOLOGY

The Division of Pharmaceutical Sciences at the University of Kentucky College of Pharmacy invites applications for a tenure-track position at the assistant professor level in the area of molecular and cellular pharmacology, beginning in the 2002-2003 academic year. Exceptional candidates at advanced rank may be considered.

Candidates should have a Ph.D. degree and relevant postdoctoral experience. Research emphasis complementary to our current strengths in cardiovascular, CNS, cancer and aging research, and a commitment to interdisciplinary research in the pharmaceutical sciences is desirable. Individuals with interests in one or more of the following areas are encouraged to apply: physiology and pharmacology of membrane proteins; trafficking and regulation of receptors, transporters or other cellular proteins; and drug delivery to cellular/subcellular targets. The selected candidate will be expected to develop a competitive, extramurally supported research program and will contribute to our graduate training program and to professional pharmacy education. A background in pharmacy would be advantageous.

Applicants should submit a letter of application, curriculum vitae, a one-page synopsis of proposed research program, and the names, addresses and phone numbers of three references who can address your research and teaching potential, to: Professor Robert Yokel, Division of Pharmaceutical Sciences, College of Pharmacy, University of Kentucky, Lexington, KY 40536-0082. E-mail: ryokel1@uky.edu.

Application review will begin Dec. 1, 2001, and will continue until the position is filled. For more information, visit the College of Pharmacy Web site at www.uky.edu/Pharmacy/employment.html.



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UNIVERSITY OF KENTUCKY



Virginia Commonwealth University

FACULTY POSITIONS DEPARTMENT OF BIOCHEMISTRY CELLULAR AND MOLECULAR SIGNALING INITIATIVE

Medical College of Virginia of Virginia Commonwealth University Tenure Track and Tenured Faculty Positions

The Department of Biochemistry on the Medical College of Virginia Campus of Virginia Commonwealth University is developing a new initiative in molecular and cellular signaling. Virginia Commonwealth University is an ethnically and culturally diverse institution of higher learning located in Richmond, Virginia. We invite applications from outstanding individuals with expertise and interest in signal transduction for tenure-track faculty positions as Assistant/Associate Professor/Professor. Successful applicants, with a Ph.D. and/or M.D. degree and several years of post-doctoral experience, are expected to develop a vigorous, externally funded research program and participate in the teaching mission of the Department. Applications are particularly encouraged from individuals using genetic and molecular approaches to study control of cell cycle and apoptosis, angiogenesis, mechanisms of signal transduction, actions of G proteins, or novel lipid signaling. Successful applicants are expected to complement a highly interactive, multi-disciplinary program.

Applications should include a CV, a brief statement of research plans and three letters of recommendation; include, if appropriate, information on extramural funding and teaching. This material should be sent to: **Dr. Robert Diegelmann, Chair, Search Committee, Department of Biochemistry, Medical College of Virginia Campus, Virginia Commonwealth University, Richmond, VA 23298-0614** or e-mail directly to rdieglm@hsc.vcu.edu. For full consideration applications should be submitted before February 1, 2002.

*Virginia Commonwealth University is an Equal Opportunity/
Affirmative Action Employer. Women, persons with disabilities,
and minorities are encouraged to apply.*



PROFESSOR (TWO TENURE TRACK POSITIONS)

Concours SP 01-72

ENVIRONMENTAL HEALTH

The Institut national de la recherche scientifique invites applications for two tenure-track positions in Environmental Health at the INRS-Institut Armand Frappier—Santé humaine centre located in Pointe-Claire, on the Island of Montreal.

The selected candidates will join a staff of over 40 professors with research and teaching programs in a variety of fields including toxicology.

FUNCTIONS

The candidates will be expected to develop an independent and innovative research program within multidisciplinary research teams in the following areas of research:

- Human Toxicology, using laboratory and/or field studies that aim to understand the effects of xenobiotics.
- Reproductive Toxicology, with research interests on the effects of xenobiotics on reproductive and endocrine functions.

The candidates will be required to secure external research funding.

The candidates will participate in graduate teaching activities, both at the M.Sc. and Ph.D. level, as well as supervise graduate students and research personnel.

QUALIFICATIONS

Ph. D. or equivalent

For the human toxicology position: background in toxicology and ability to work under laboratory or field conditions; expertise to operate at the interface between laboratory research at the cell and molecular levels and epidemiological type research would be considered an asset.

For the reproductive toxicology position: background in molecular biology and expertise in genomics.

At least two years of related postdoctoral experience.

Research productivity demonstrating both autonomy and originality.

The potential to develop a major research program and demonstrate the ability to obtain external funding from various partners.

Ability to work in a team and with research networks.

Demonstrated skills for teaching and supervision of graduate students.

PLACE OF EMPLOYMENT

INRS-Institut Armand-Frappier—Santé humaine
245, boulevard Hymus, Pointe-Claire (Québec)

WORKING LANGUAGE

French is the working language. Knowledge of English is essential.

SALARY

In accordance with the collective agreement in effect at INRS.

All applications will be treated confidentially. Interested applicants should forward a complete curriculum vitae, a copy of their three most representative publications, a 1 to 2 page description of their research interests, as well as the names and addresses of three references before February 4, 2002 to:

Director
INRS-Institut Armand-Frappier—Santé humaine
531, boulevard des Prairies
Laval (Québec)
H7V 1B7
concours72@inrs-iaf.quebec.ca

INRS ascribes to the principle of work equality. In accordance with Canadian immigration laws, Canadian citizens and residents will be given priority for these positions.



Université du Québec
Institut national de la recherche scientifique

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ANATOMY AND NEUROBIOLOGY

CHAIR SEARCH The College of Medicine of the University of Tennessee Health Science Center seeks an accomplished Scientist for the Simon R. Bruesch Professorship and Chair of the Department of Anatomy and Neurobiology. This individual will be the Director of the state-supported Center of Excellence in Neuroscience. The Department has 23 full-time faculty who are very well funded and recognized for their contributions to developmental, membrane biophysics, and integrated systems approaches to neurobiology. The Department is located in newly renovated research facilities and has advanced instrumentation for calcium and computer-assisted imaging and confocal microscopy. In addition, the Health Science Center is actively developing advanced molecular, genomic, and bioinformatic capabilities. Applicants for this position should hold the M.D. and/or Ph.D. degree or equivalent with established credentials in education, an internationally recognized basic research program, and the capability for strong academic leadership. We are especially interested in individuals who are enthusiastic about participating in the leadership of a highly interactive neuroscience research community that includes faculty from multiple hospitals and academic campuses.

The initial pool of applicants will be reviewed by February 1, 2002. However, the application process will remain open until the position is filled by a suitable candidate. Applicants are requested to submit curriculum vitae and the names and addresses of three references along with a letter of intent to:

Burt M. Sharp, M.D.
Chairman, Anatomy and
Neurobiology Advisory Committee
The University of Tennessee
Health Science Center
800 Madison Avenue
P.O. Box 63647
Memphis, TN 38163

The University of Tennessee is an Equal Opportunity/Affirmative Action/Title VI/Title IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Employer.

RESEARCH ASSOCIATE in auditory neuroscience. Perform research on the physiology of inner ear microcirculation, immunohistochemical localization inner ear proteins, confocal microscopy, electrochemistry, and Western blotting. Minimum M.D. or Ph.D. degree and five years of experience in the following: ear microvascular physiology, ear surgical skills, noise damage mechanisms, and auditory electrophysiology. Salary: \$21,246 to \$30,343 commensurate with qualifications and experience. Send curriculum vitae to: **Theresa Nims, Oregon Hearing Research Center, Oregon Health Sciences University, 3181 Sam Jackson Park Road, NRC04, Portland, OR 97201-3098.**

POSTDOCTORAL FELLOW POSITION available to study molecular mechanisms of proteinuria and antibody-induced glomerular injury. Experience in basic molecular biology techniques is a must. Exposure to kidney field is helpful but not essential. Send curriculum vitae and summary of research experience to: **Sumant S. Chugh, M.D., Northwestern University Medical School, Searle 10-475, 320 East Superior, Chicago, IL 60611. E-mail: schugh@northwestern.edu.**

**FULL/ASSOCIATE PROFESSOR
MEDICINAL CHEMISTRY
University of Washington**

The Department of Medicinal Chemistry, School of Pharmacy, at the University of Washington invites applications for a senior faculty position in the Medicinal Chemistry Department. The Department and university offer state-of-the-art instrumentation and ample opportunities for collaborative research (**website: <http://depts.washington.edu/medchem/>**). The appointment will be made at the rank of **ASSOCIATE or FULL PROFESSOR**. Candidates must have a Ph.D. degree, outstanding teaching and research credentials, and an internationally recognized research program with established extramural support. Preference will be given to candidates with expertise in mechanistic aspects of drug action, metabolism, and toxicology. Responsibilities include teaching at the professional and graduate levels.

Applicants should forward a cover letter, curriculum vitae, a statement of current and future research interests, and contact information for three letters of reference to: **Dr. Kent Kunze, Search Committee Chair, Medicinal Chemistry Box 357610, University of Washington, Seattle, WA 98195-7610. E-mail: medchem@u.washington.edu**. Review of applications will begin February 1, 2002, and will continue until the position is filled.

The University of Washington is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. The University of Washington is an Affirmative Action/Equal Opportunity Employer.

**AN EXCEPTIONAL OPPORTUNITY FOR
TWO OUTSTANDING SCIENTISTS**

Ciphergen Biosystems (the leading proteomics, ProteinChip® system company) is establishing a subsidiary company in Beijing under the direction of **Yang Dave Xu, M.D., Ph.D./Chief Scientist and Managing Director, China**. We are looking for two Ph.D. Scientists with a background in the biological sciences (biology, cell biology, molecular biology, or in protein chemistry) who are fluent in English and spoken and written Mandarin Chinese. They must be thoroughly familiar with mainland Chinese customs and multi-Chinese dialects, sales techniques, and business practices. Applicants must be willing to travel 30% to 50% of the time and to live in China for a minimum of three years (positions in Beijing and Shanghai are currently available). The persons we seek will have completed two terms in postdoctoral studies or will be in **ASSOCIATE PROFESSOR** or equivalent positions in industry. If this possible career path is for you, please contact: **Mr. Jeff Smoker, Human Resources, Ciphergen Fremont; e-mail: jsmoker@ciphergen.com or Dr. Yang Xu; e-mail: yxu@ciphergen.com**.

INVERTEBRATE MARINE ECOLOGIST.

The Department of Biology at Sonoma State University invites applications from Invertebrate Marine Ecologists for a tenure-track position beginning fall 2002. Areas of specialty may include physiological, population, community, or evolutionary ecology of near-shore organisms. See full announcement on our **website: <http://www.sonoma.edu/biology>**. For additional information, contact: **Dr. J. Hall Cushman; e-mail: cushman@sonoma.edu; Telephone: 707-664-2142**. Applications postmarked by January 2, 2002, will receive priority consideration. *An Affirmative Action/Equal Opportunity Employer.*

Two **POSTDOCTORAL POSITIONS** at Yale University available immediately to study homeobox genes in development of the endoderm, liver, and lung. Experience in developmental biology, gene targeting, and molecular biology desired. Excellent facilities and resources available. Applicants with M.D. and/or Ph.D. should submit their curriculum vitae and names of three references to: **Clifford Bogue, M.D., Yale Child Health Research Center, Yale University School of Medicine, 464 Congress Avenue, New Haven, CT 06519-1361. FAX: 203-737-5972; e-mail: clifford.bogue@yale.edu**. Yale University is an Affirmative Action/Equal Opportunity Employer.



**NEUROSCIENCE FACULTY
Medical College of Georgia**

Applications are invited for a tenure-track faculty position in the Department of Pharmacology and Toxicology at the **ASSISTANT or ASSOCIATE PROFESSOR** level as part of the campuswide effort to grow neuroscience research. Individuals with outstanding research potential and accomplishments in cell signaling, neurogenetics, development, or behavior and cognition are particularly encouraged to apply. The successful applicant will be expected to establish an extramurally funded research program and to contribute to our teaching efforts in pharmacology and neuroscience. Competitive salary and start-up funds will be provided, and excellent core facilities in imaging, molecular biology, genetics, proteomics, and animal behavior are available. Send curriculum vitae, statement of research interests, and the names and contact information for three references to: **Dr. Deborah Lewis, Chair, Faculty Search Committee, Department of Pharmacology and Toxicology, Medical College of Georgia, Augusta, GA 30912. Telephone: 706-721-6345; e-mail: dlewis@mail.mcg.edu**. Application deadline: February 15, 2002.

The Medical College of Georgia is an Affirmative Action/Equal Educational and Employment Opportunity Institution. PO# E-02177980.

**ENVIRONMENTAL SCIENTIST
TENURE TRACK
Muhlenberg College**

Muhlenberg College invites applications for a tenure-track position in environmental science beginning in fall 2002. The Committee welcomes the broadest range of candidates at the junior to senior level from any of the disciplines linked to the study of environmental science. The position will be located in the Division of Natural Science and therefore the candidate could have strengths in the traditional disciplines of biology, chemistry, geology, physics, or mathematics as linked to environmental science. The successful candidate will have a commitment to excellence in teaching and to developing a productive undergraduate research program. Teaching responsibilities will be in introductory courses in environmental science, advanced courses employing the candidate's special interests and training, and a capstone seminar course for senior majors. Salary commensurate with qualifications and experience. To apply, send curriculum vitae, letter of interest, statements of teaching philosophy and research interests, transcripts, and three current reference letters to: **Dr. Carl S. Oplinger, Chair of Search Committee, Biology Department, Muhlenberg College, Allentown, PA 18104**. Application review begins December 15, 2001, and will continue until the position is filled. *Equal Opportunity Employer.*

SRCASM SIGNALING IN SKIN

POSTDOCTORAL POSITION available to study the role of the Src activating and signaling molecule (Srcasm) in keratinocyte differentiation and cutaneous disease. Available projects include analysis of transgenic and knockout mice to study the role of Srcasm *in vivo* and use of adenoviruses and lentiviruses to study the biology of Srcasm in cell lines and primary cultures of murine and human keratinocytes. Candidates should have a Ph.D. or M.D. with experience in molecular/cell biology and U.S. citizenship or permanent resident status. Please send curriculum vitae and three references to: **John T. Seykora, M.D., Ph.D., Department of Dermatology, Room 217 CRB, 415 Curie Boulevard, Philadelphia, PA 19104-6142. FAX: 215-573-7173; e-mail: seykora@mail.med.upenn.edu**. *Equal Opportunity/Affirmative Action Employer.*

**TWO FACULTY POSITIONS IN
PHARMACOGENOMICS, QUANTITATIVE BIOLOGY, OR
GENETICS OF COMPLEX DISEASES
ASSISTANT/ASSOCIATE PROFESSOR
DEPARTMENT OF PHARMACOLOGY
COLLEGE OF MEDICINE AND PUBLIC HEALTH
THE OHIO STATE UNIVERSITY**

The Department of Pharmacology is establishing new programs in pharmacogenomics and molecular pharmacology, with applications to therapeutics and disease prevention. We invite applications for two tenure-track positions at the Assistant or Associate Professor levels. Candidates whose research interests include genomics, quantitative biology, or genetics of complex diseases are encouraged to apply. The selected candidates will have the opportunity to participate in well-established programs in genomics, basic biomedical sciences and medical informatics. We encourage applicants from diverse backgrounds including mathematics, computer sciences, physics, genetics-genomics, biology, pharmacology and therapeutics. Applicants should have a Ph.D., M.D., or other advanced degree; they are expected to establish a dynamic research program and contribute to graduate and professional teaching.

Send curriculum vitae, three letters of reference, summary of current research, and a concise outline of future research to the address below by March 15, 2002.

**Quantitative Biology/Genomics Search Committee
Department of Pharmacology
College of Medicine and Public Health
5072 Graves Hall
333 West 10th Avenue
Columbus, Ohio 43210-1239
For electronic submissions send to ring.32@osu.edu.**

OSU is an Equal Opportunity, Affirmative Action employer.



**DIRECTOR OF THE
BIOENGINEERING INSTITUTE**

Worcester Polytechnic Institute invites applications for the position of Director of the Bioengineering Institute. The Bioengineering Institute will be the cornerstone of an envisioned university-related research park that will build upon the University's research strengths and regional partnerships. The focus will be on applied research, product development and product realization and will eventually include a network of universities, hospitals, research organizations, and development organizations linked electronically through design studios. As a magnet for partner researchers, the Institute will provide access to highly specialized, one-of-a-kind laboratory equipment and R & D facilities. It will seek to create bio-engineered products which can be handed-off to existing companies or form the basis for the start-up of new companies.

The Director will provide an overall vision for the Bioengineering Institute, working closely with an external advisory board and university personnel. The Director will develop and maintain a five-year global/strategic plan for the Institute including budgetary matters, and will coordinate and manage the construction and/or renovation of facilities and the allotment of lab and office space.

A Ph.D. in engineering or the life sciences is required along with a strong research background and experience with funding agencies. Administrative experience in a university and/or research environment is required.

A detailed job description can be found on WPI's website www.wpi.edu/Admin/HR. Please send letter of interest, curriculum vitae, and other appropriate materials to: **Search Committee, WPI, Human Resources, 100 Institute Rd., Worcester, MA 01609. You may fax your information to (508) 831-5715 or email: human-resources@wpi.edu.**

To enrich education through diversity, WPI is an affirmative action, equal opportunity employer.



Doctoral Training Program

Frontiers in Genetics is an international program for doctoral training, supported by the Swiss National Science Foundation. The program is based at the **University of Geneva** but includes participating members at the Universities of Lausanne and Zurich and at the Swiss Institute for Experimental Cancer Research, Lausanne. The program accepts students towards a Ph.D. degree starting October 2002 and provides a strong grounding in molecular genetic, genomic and proteomic approaches to the study of modern biological problems.

We are seeking outstanding candidates with a degree in the Biological or Physical Sciences and a commitment to a career in research. The students selected will receive stipends for four years, subject to completion of all program requirements.

Applicants should send a letter describing their interests, background and research experience, if any, an official transcript of their university curriculum with grades, and contact information of two persons who can supply letters of recommendation to this address:

Frontiers in Genetics Doctoral Program
National Center of Competence in Research
30 quai Ernest Ansermet
CH-1211 Geneva, Switzerland
e-mail: front-genetics@zoo.unige.ch

The application deadline is January 15, 2002 for admission in October 2002.

For additional information and application form:
www.unige.ch/frontiers-in-genetics

Participating Faculty and research interests:

Stylianios E Antonarakis, University of Geneva
Molecular pathophysiology of Human Gene Disorders including aneuploidies

Konrad Basler, University of Zurich
Cell communication and signal transduction in embryonic development

Stuart Clarkson, University of Geneva
DNA repair deficiencies in human genetic disorders

Denis Duboule, University of Geneva
Mouse developmental and molecular genetics

Susan Gasser, University of Geneva
Chromatin 3-D organization and nuclear function

Ernst Hafen, University of Zurich
Cell signaling and growth control in *Drosophila*

Uli Laemmli, University of Geneva
Chromosome structure and function

Joachim Lingner, ISREC Lausanne
Telomerase and chromosome end replication

Vincenzo Pirrotta, University of Geneva
Polycomb complexes and chromatin silencing

Ueli Schibler, University of Geneva
Molecular analysis of the mammalian circadian timing system

David Shore, University of Geneva
Chromatin structure and gene regulation; telomere replication and function

Pierre Spierer, University of Geneva
Epigenetic and genetic control in *Drosophila* development

Didier Trono, University of Geneva
Gene remodeling by exogenous elements: clues and uses of retroviral genevasion

Jean-Dominique Vassalli, University of Geneva
Mammalian embryogenesis: germ line and endocrine pancreas differentiation

Walter Wahli, University of Lausanne
Genetics of energy homeostasis in mammals

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE Novel Ion Channel Sensors to Study Cyclic Nucleotide Signaling

A Postdoctoral position is available immediately to join an interdisciplinary research group studying cAMP signaling with unprecedented resolution. We have genetically engineered cyclic nucleotide-gated (CNG) ion channels to be superb sensors of cAMP. The new adenovirus-encoded sensors are being used in electrophysiology and imaging experiments to measure cAMP signals in both excitable and nonexcitable cells (see, e.g., *PNAS* 98:13049, 2001; 98:13482, 2001; *J. Gen. Physiol.* 118:63, 2001; 116:147, 2000; 116:143, 2000) with the ultimate goal of understanding how cAMP is able to differentially regulate hundreds of cellular targets. A Ph.D. in physiology, biophysics, or a related discipline; experience with patch clamp techniques; and a keen interest in using quantitative approaches to studying cellular signaling processes are required. The successful candidate will collaborate with Investigators having expertise in a broad array of techniques. Salary will be at the NIH level and commensurate with experience. We will begin to evaluate applications on January 15, 2002.

Please send curriculum vitae and the names and contact information of three references to:

Jeffrey W. Karpen, Ph.D.

Department of Physiology and Biophysics
University of Colorado Health Sciences Center
4200 East Ninth Avenue, C240
Denver, CO 80262
Telephone: 303-315-8780
FAX: 303-315-8110
E-mail: jeffrey.karpen@uchsc.edu

FACULTY POSITIONS EXPERIMENTAL PATHOLOGY

University of Oklahoma Health Sciences Center

The Department of Pathology invites applications for two tenure-track positions, one at the ASSISTANT or ASSOCIATE PROFESSOR level and one at the ASSOCIATE to PROFESSOR level. Both positions will be in experimental pathology, and we seek candidates with research experience in the area of cancer biology. Candidates for either position will be expected to establish and/or maintain a vigorous and funded research program and participate in teaching at the graduate level. They should also have an M.D., Ph.D., or equivalent.

Candidates for the Assistant- to Associate Professor-level position should have postdoctoral research experience in an area related to their planned research program. The successful candidate for the position at the Associate Professor- to Professor-level position will have a strong track record with demonstrated funding at the national level and a strong publication history in peer-reviewed journals.

Applicants should submit curriculum vitae with an indication of the position they are applying for, a concise description of research interests and goals, and the names, addresses, telephone numbers, and e-mail addresses of three references to: **Dr. Lawrence E. DeBault, Search Committee Chair, Department of Pathology, P.O. Box 26901, BMSB 451, Oklahoma City, OK 73190.** Evaluation of applications begins January 15, 2002. *The University of Oklahoma is an Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITION

A Postdoctoral Fellow position is available to study mitochondrion and its roles in human diseases and aging. Motivated applicant should send a letter with curriculum vitae and the names of three references to: **Yidong Bai, Ph.D., Department of Cellular and Structural Biology, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78229-3900.** E-mail: baiy@uthscsa.edu. *The University of Texas Health Science Center at San Antonio is an Equal Employment/Affirmative Action Employer.*

POSITIONS OPEN

POSTDOCTORAL AND GRADUATE STUDENT FELLOWSHIPS IN SENSORY NEUROSCIENCE

The training program in the cellular and molecular neuroscience of sensory systems at the University of Kentucky is seeking qualified applicants at the Postdoctoral, Medical Resident, medical student, and graduate student levels. *Applicants for these NIH training program-sponsored Fellowships must be U.S. citizens or permanent residents.* Program faculty and their research interests include:

Robert Baker: eye movement disorders, **Elizabeth Debski:** visual plasticity, **Marilyn Getchell:** olfactory system neurodegeneration, **Thomas Getchell:** olfactory cell regeneration, **Lei Li:** retinal degeneration and modulation, **Tim McClintock:** molecular basis of olfaction, **Douglas McMahon:** vision and circadian rhythms, **Diane Snow:** axon guidance and regeneration, **Chuck Staben:** bioinformatics, and **Hong Yan:** auditory neurophysiology.

A more complete description of the research environment and training program can be found at website: <http://biology.uky.edu/sensory/>. Applicants should send their curriculum vitae, a brief description of current research, and the names of three references to: **Douglas McMahon, Ph.D., Department of Physiology, University of Kentucky, Lexington, KY 40536-0084.** Telephone: 859-257-2345; FAX: 859-323-1070; E-mail: dgmcmal@uky.edu. *The University of Kentucky is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR OF PLANT PATHOLOGY University of Texas-Pan American

The Department of Biology at the University of Texas-Pan American invites applications from outstanding candidates for a tenure-track faculty position in plant pathology. Candidates with expertise in mycology are especially encouraged to apply. The University offers new facilities and a supportive collegial environment to foster development of academic careers. Salary is negotiable based on background and experience.

The successful candidate will be expected to develop an externally funded research program in plant pathology and to display a commitment to teaching excellence. The candidate is expected to assist in teaching the Department's general biology courses and develop a course or courses in candidate's specialty in plant pathology and mycology. Visit our department website: <http://www.panam.edu/dept/biology> and the University of Texas-Pan American Personnel Department website: <http://w3.panam.edu/www/personnel> for more information.

Evaluation of applications will begin on January 22, 2002, and all material must be received by this date. Applicants must hold a Ph.D. or equivalent degree. A letter of application, curriculum vitae, copies of representative publications, a one-page description of future research, a statement of your teaching philosophy, and three letters of recommendation (sent under separate cover) should be addressed to:

Dr. Luis Materon
Chair, Search Committee
Department of Biology
University of Texas-Pan American
1201 West University Drive
Edinburg, TX 78539-2999
E-mail: lmateron@panam.edu
Fax: 956-381-3657
(F01/02-28)

The University of Texas-Pan American is an Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR OF GENETICS Drake University

Drake University invites applications for a tenure-track position in genetics at the ASSISTANT PROFESSOR level beginning fall 2002. The position stresses teaching in an academically diverse undergraduate program that includes students in biochemistry, cell and molecular biology, prehealth, environmental science, ecology, and general biology. Instructional responsibilities include an introductory genetics course with an inquiry-based laboratory component and an upper-level course in the applicant's area of expertise. Participation in a team-taught, inquiry-based, introductory biology course and a biology capstone course is also expected. Additional responsibilities include directing undergraduate research in an interdisciplinary setting and developing a research program in one's specialty. Ph.D. required and postdoctoral experience preferred. A commitment to teaching is essential. Applicants are requested to submit cover letter, curriculum vitae, transcripts, narrative on philosophy of teaching and research, representative reprints, and the names and addresses (including e-mail addresses) of three references. For full consideration, applications should be received by February 15, 2002. Send application materials to: **Dr. Richard Wacha, Professor and Chair of Biology, 2507 University Avenue, Drake University, Des Moines, IA 50311.** *Drake University is an Equal Opportunity Employer.*

REVIEW MEDICAL OFFICERS INFECTIOUS DISEASES Board Certified/Board Eligible

Infectious diseases (BC/BE), Rockville, Maryland. U.S. Food and Drug Administration, Office of Vaccines Research and Review, is recruiting Review Medical Officers. Positions offer opportunity to provide scientific and regulatory guidance to sponsors at all phases of drug development from clinical trial design to evaluation of clinical trial data submitted for approval. Review areas include viral vaccines, bacterial vaccines, and related products. Multidisciplinary team approach facilitates interaction with a wide range of scientific disciplines. Basic qualification is a Doctor of Medicine or Doctor of Osteopathy. Board certified/Board eligible in adult/pediatric infectious diseases is highly desirable. The Civil Service salary for Physicians (regulatory) is GS-14 (\$79,060 to \$99,391) plus an additional physician comparability allowance (PCA) of \$14,000 to \$16,000 may also be paid. The candidate may also be eligible for the PHS Commissioned Corp. Please mail curriculum vitae to: **Kerin Denault, 1401 Rockville Pike, Suite 370N, HFM-475, Rockville, MD 20852-1448.** *FDA is an Equal Opportunity Employer. This agency provides reasonable accommodations to applicants with disabilities.*

POSTDOCTORAL POSITIONS EUNICE KENNEDY SHRIVER CENTER University of Massachusetts Medical School

Funded Postdoctoral positions available immediately to study genetic variation in human cell surface glycoconjugates, pathogen binding to host cell glycoconjugates, and human milk glycoconjugates that inhibit pathogen binding to the host cell surface. Candidates should have a professional degree with experience in analytical biochemistry and familiarity with glycobiology. A working knowledge of HPLC, CE, and other analytical methodology is desirable. Another position involves oligosaccharide synthesis. The Shriver Center, located in suburban Boston, is part of The University of Massachusetts Medical School. The Program in Glycobiology offers many opportunities for scientific interactions and advancement.

Please send curriculum vitae and the names/telephone numbers of three references to: **Dr. David S. Newburg, Program in Glycobiology, E. K. Shriver Center, 200 Trapelo Road, Waltham, MA 02452.** FAX: 781-894-9968; e-mail: david.newburg@umassmed.edu; website: <http://www.shriver.org>.

Group Science Development Co-ordinator

based at Addlestone, Surrey

The successful candidate will be responsible for the management of the scientific and technical output of the Immunochemistry Group's programme of projects and the development of staff and expertise to enable this. Current areas of interest include the development and evaluation of a variety of immunoreagents and test formats for TSE diagnosis and research, biochemical strain typing of TSE agents, rendering studies, potential TSE therapeutics and disease pathogenesis. The work will include experiment planning and design, data quality assessment, data interpretation and subsequent, iterative, re-planning to ensure project objectives are attained in full, that the quality of delivery is improved and that future studies are identified. The postholder will also undertake initially assigned, and later self-generated, projects to milestones and to budget. It will also be essential to develop and maintain an up-to-date and broad knowledge of all literature concerning TSE diagnostics and molecular biology.

A proven record of undertaking and delivering a programme of research work is essential, this will be at post doctoral level or with considerable, equivalent experience. A good understanding of TSE diseases and the biology/biochemistry of the TSE agent(s) is also required. A background in immunology or related subjects would be beneficial, as would a knowledge and appreciation of working to a Category III containment level.

The post is in Pay Band C £24,500 to £45,400 per annum. Progression is performance related, starting pay will be based on the length and amount of relevant experience. Benefits include a non-contributory pension scheme and 25 days annual leave.

Applications are welcome from all sections of the community irrespective of race, ethnic origin, religious beliefs, marital status, gender, sexual orientation, disability or age.

An Executive Agency of the Department for Environment, Food and Rural Affairs.



Veterinary Laboratories Agency

Further details and an application form can be obtained by writing to: Personnel (MG), Veterinary Laboratories Agency, New Haw, Addlestone, Surrey KT15 3NB quoting reference ADP 2191.

The closing date for receiving completed application forms is 4 January 2002.



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Entomologist
Host Plant Resistance

International Rice
Research Institute
(IRRI)
DAPO Box 7777,
Metro Manila, Philippines

IRRI is seeking an Entomologist with specialization in host plant resistance to interact with plant breeders and pest management scientists in conducting innovative research. Applications are being accepted until 31 January 2002, or until a suitable candidate has been identified.

Full details can be found at www.irri.org/irsjobs.htm#Entomologist

Please refer to code: IR01-EHPR-Science.



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POSITIONS OPEN



FACULTY POSITION IN THE LABORATORY OF GENETICS University of Wisconsin-Madison

The Laboratory of Genetics at the University of Wisconsin-Madison ([website: http://www.wisc.edu/genetics](http://www.wisc.edu/genetics)) seeks to hire a tenure-track ASSISTANT PROFESSOR for appointment beginning July 2002 or thereafter. This appointment is one of four targeted to strengthen mammalian and human genetics on campus. Applicants appropriate for the position should have research interests that emphasize human biology but the specific area of investigation is not strictly limited. Applicants should send curriculum vitae; a one- to two-page statement of research interests; and arrange to have at least three letters of reference sent by January 31, 2002, to:

Laboratory of Genetics Search Committee
c/o Dr. Mani S. Mahadevan
University of Wisconsin
445 Henry Mall
Madison, WI 53706-1574

The UW-Madison is an Affirmative Action/Equal Opportunity Employment Employer. Women and minority scientists are especially encouraged to apply. Unless confidentiality is requested in writing, the list of applicants must be released upon request. Interviewed finalists, however, cannot be guaranteed confidentiality.

BIOLOGY: INVERTEBRATE BIOLOGIST. ASSISTANT PROFESSOR to teach courses in invertebrate biology, either ethology or evolution, parts of the introductory biology sequence, and a course for nonmajors in area of expertise; to participate in the College's first-year seminar and other interdisciplinary programs; and to direct undergraduate research in the College's required independent study program. Preference given to those capable of teaching introductory biostatistics. Applicants should have a Ph.D. Postdoctoral research and/or teaching experience preferred. After completing a preapplication at [website: http://www.wooster.edu/biology/application.html](http://www.wooster.edu/biology/application.html), send curriculum vitae; statements on research and teaching philosophy; transcripts; and three letters of recommendation to: **Dr. William Morgan, Chair, Department of Biology, The College of Wooster, 1189 Beall Avenue (for express delivery, companies use 931 College Mall), Wooster, OH 44691** by January 30, 2002, to receive full consideration.

The College of Wooster is an independent college of the liberal arts and sciences with a commitment to excellence in undergraduate education. The College values diversity, strives to attract qualified women and minority candidates, and encourages individuals belonging to these groups to apply. Wooster seeks to ensure diversity by its policy of making appointments without regard to age, sex, race, creed, national origin, disability, handicap, sexual orientation, or political affiliation. The College of Wooster is an Equal Opportunity/Affirmative Action Employer.

SENIOR POSTDOCTORAL FELLOW OR JUNIOR FACULTY POSITION Immediate Opening at Harvard

Training and knowledge in immunology and molecular and cell biology needed. Must have Ph.D. or M.D. Experience in current and recent laboratory techniques required. Focus of the laboratory is studying molecular pathogenesis of autoimmune mucocutaneous diseases. Position requires managerial and organizational skills in supervising graduate students. Language and communication skills essential. Experience in grant writing a plus. Starting salary: \$50,000 per year based on experience, publications, and rank at appointment.

Send résumé to: **A. Razzaque Ahmed, M.D., Department of Oral Medicine and Diagnostic Sciences, Harvard School of Dental Medicine, 188 Longwood Avenue, Boston, MA 02115. FAX: 617-432-4436; e-mail: razzaque_ahmed@hms.harvard.edu.**

POSITIONS OPEN

POSITION IN CELL AND DEVELOPMENTAL BIOLOGY Department of Biology McGill University

The Department of Biology at McGill University is recruiting a tenure-track faculty member in cell and developmental biology. We seek applicants who use molecular and/or genetic approaches to basic problems of cell and/or developmental biology. The Department has strong research groups working in yeast, *C. elegans*, *Drosophila*, and *Arabidopsis* and is prepared to consider applications from individuals utilizing these or other systems in their research. The successful applicant will be expected to conduct a vigorous program of independent, externally funded research and to teach at both the undergraduate and graduate levels in a department with an established cell and developmental biology curriculum. Candidates must have a Ph.D. or equivalent degree and postdoctoral experience demonstrating excellence in their field. This position is at the ASSISTANT PROFESSOR level; however, exceptional senior candidates will also be considered for recruitment at the ASSOCIATE or FULL PROFESSOR level. Applicants should forward curriculum vitae, copies of representative reprints, statement of research interests, statement of teaching interests, and arrange to have three letters of reference sent to the following address: **Cell and Developmental Biology Search, c/o Louise Sabaz, Department of Biology, McGill University, 1205 Avenue Docteur Penfield, Montreal, Quebec H3A 1B1 Canada.** Application deadline is January 15, 2002. *In accordance with Canadian immigration regulations, this advertisement is directed in the first instance to Canadian citizens and landed immigrants; however, applications from individuals of other nationalities will also be considered.*

FACULTY POSITION Microbiology

The Department of Biological Sciences, The University of Southern Mississippi ([website: http://www.biology.usm.edu](http://www.biology.usm.edu)), invites applications for a tenure-track position at the ASSISTANT PROFESSOR level starting fall 2002. Applicants may have research interests in any area of microbiology. The successful candidate will be expected to develop a vigorous, independent research program and to direct graduate students (M.S., Ph.D.). Teaching duties will include pathogenic microbiology and rotating responsibility in introductory and graduate microbiology courses. Candidates should submit a statement of research and teaching interests, curriculum vitae, representative reprints, and names and contact information of at least three references. Applications must be received by January 15, 2002, and should be sent to: **Dr. B. L. Middlebrooks, Chair, Search Committee, USM Box 5018, Hattiesburg, MS 39406.** The University of Southern Mississippi is a Carnegie Doctoral/Research-Extensive University. *Affirmative Action/Equal Employment Opportunity/Americans With Disabilities Act Institution.*

NEUROCHEMIST NEEDED

Scientist trained in neurochemistry with ability to use HPLC and mass spectrometry to pursue studies on frozen human brain tissue from longitudinally followed movement disorder patients. The individual must have experience to run an independent laboratory or a potential to do so. The level of appointment will be LECTURER or ASSISTANT PROFESSOR.

Send curriculum vitae and three letters of reference to:

Ali H. Rajput, M.D.
Director of Movement Disorder Program
Royal University Hospital
Saskatoon, Saskatchewan S7N 0W8 Canada
Telephone: 306-966-8009
FAX: 306-966-8030
E-mail: beatty@sdh.sk.ca

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POSITIONS OPEN

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ASSISTANT PROFESSOR OF BIOLOGY Animal Physiology

The Department of Biology at Bates College, a highly selective liberal arts college of 1,700 students, has a tenure-track Assistant Professor position open for an Animal Physiologist beginning September 2002.

The Animal Physiology position is one of nine full-time faculty positions in biology. Our Animal Physiologist will teach an advanced (form- and function-based) lecture and laboratory course in animal physiology, participate in the Department's core curriculum, and teach (one or more) additional courses at the introductory and advanced levels. These might include but are not limited to animal behavior, biomechanics, animal locomotion, ornithology, exercise physiology, ecophysiology, reproductive physiology, or sex-based differences in physiology. Candidates are expected to have expertise in both laboratory- and field-based work. The successful candidate is expected to seek extramural funding and to conduct an active research program involving Bates students. A Ph.D. is required, and postdoctoral training is desirable.

Bates College is located in southern Maine, 2.5 hours from Boston, Massachusetts, and 45 minutes from Portland, Maine, in the city of Lewiston, known for its Franco-American cultural influence and proximity to scenic mountains and beautiful coastline. Since its founding in 1855, the College has been coeducational and has enrolled students of various religious and racial/ethnic groups. The institution has an accomplished faculty of 170 from a wide range of disciplines teaching in 24 departments and eight interdisciplinary programs. Biology faculty contribute to a variety of interdisciplinary programs including Biological Chemistry, Women and Gender Studies, Neuroscience, and Environmental Studies. The College views research as essential scholarship and as an excellent method of teaching and currently provides opportunities for modest financial support for faculty/student collaboration. Additional information is available at [website: http://www.bates.edu](http://www.bates.edu).

Review of applications begins January 1, 2002, and will continue until the position is filled. Applicants should submit a cover letter, curriculum vitae, statement of teaching philosophy and interests, research statement, graduate and undergraduate transcripts, and three letters of recommendation to:

Physiology Search Committee (Number R2317)
c/o Bates College Academic Services
2 Andrews Road, 7 Lane Hall
Lewiston, ME 04240

Bates College values a diverse college community and seeks to assure Equal Opportunity through a continuing and effective Affirmative Action Program.

Finch UHS/Chicago Medical School Department of Biochemistry and Molecular Biology: **MACROMOLECULAR X-RAY LABORATORY MANAGER, LABORATORY MANAGER, POSTDOCTORAL/RESEARCH ASSOCIATES** (six). Structural neurobiology, high-throughput protein chemistry, proteomics, computational genomics, ribozyme catalysis, and nerve growth factor/receptors. State-of-the-art facilities in North Shore suburbs. Drs. M. J. Glucksmann, J. E. Wedekind, K. E. Neet, FUHS/Chicago Medical School, 3333 Green Bay Road, North Chicago, IL 60064. For details, see [website: http://www.finchcms.edu/biochem/positions.html](http://www.finchcms.edu/biochem/positions.html). *Affirmative Action/Equal Opportunity Employer.*



**ASSISTANT
PROFESSOR
IN
BEHAVIORAL
NEUROGENETICS**

The UNIVERSITY OF MINNESOTA - Twin Cities seeks outstanding candidates for a joint faculty position in Neurogenetic Approaches to Behavior shared between the Department of Psychology in the College of Liberal Arts and the Institute of Human Genetics and the Department of Neuroscience in the Academic Health Center. This appointment will be made at the tenure-track Assistant Professor level. Decisions about the tenure home for this position will be determined by a candidate's qualifications and departmental fit. Essential qualifications are a PhD in psychology, neuroscience, genetics or related field, by August 2002, the potential for carrying out outstanding interdisciplinary research, and a commitment to teaching; postdoctoral experience is preferred.

The successful applicant will be expected to carry on an active program of research and scholarship, and contribute to the education and training of graduate and undergraduate students in the Departments of Psychology and Neuroscience. The applicant's research should involve neurogenetic approaches to behavior. We are especially interested in individuals who are studying complex behavioral systems using modern molecular, cellular or genetic methods. These systems may include learning and memory, psychopathology, or emotion. Preference will be given to candidates who bridge interests of existing faculty in the Departments of Psychology and Neuroscience and the Institute of Human Genetics. Teaching responsibilities will include contributions at the undergraduate, graduate and professional levels in the Departments of Psychology and Neuroscience. The applicant selected to fill this position will also be expected to contribute to the service needs of the relevant departments, colleges, and University. Standard teaching and service duties will be divided among the sponsoring departments. Beginning date for this full-time academic faculty position is August 2002. Salary is competitive and will depend on the candidate's qualifications and experience.

This position announcement is available at <http://www.psych.umn.edu> or <http://www.neurosci.umn.edu>. Information about the departments, facilities, and faculty can also be obtained at these web sites. Interested candidates should submit a curriculum vitae, a 500-word statement of research and teaching interests, selected reprints and preprints, and three letters of evaluation to: **Chair, Behavioral Neurogenetics Search Committee, Department of Neuroscience, University of Minnesota, 6-145 Jackson Hall, 321 Church Street S.E., Minneapolis, Minnesota 55455 USA** or kingx040@umn.edu

Review of applications will begin immediately and continue until the position is filled.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

IRENE DIAMOND PROFESSORSHIPS IN IMMUNOLOGY

SKIRBALL INSTITUTE NEW YORK UNIVERSITY SCHOOL OF MEDICINE



Two positions at the Assistant to Full Professor level are available as part of a new initiative to further enhance research in immunology and host-pathogen interactions at New York University School of Medicine. Research areas of particular interest include innate immunity; regulation of immune responses to pathogens; cell biology of antigen presentation and of dendritic cells; leukocyte trafficking and lymphatic organ development; and signal transduction pathways in cell cycle progression and apoptosis of lymphocytes. The successful candidates are expected to contribute to building a comprehensive training program in immunology for graduate students and post-doctoral fellows. Laboratories will be located in the Molecular Pathogenesis Program within the Skirball Institute of Biomolecular Medicine and will have appointments in appropriate departments at the School of Medicine. Excellent start-up packages will be provided, and the positions will be supported in part by the Irene Diamond Professorships in Immunology, which are intended to strengthen immunology research in the New York area.

Applicants should submit a CV, statement of research interests, and names of three references to: **Dan Littman, M.D., Ph.D., Chair, Immunology Search Committee, c/o Annie Angell, Skirball Institute, New York University School of Medicine, 540 First Avenue, 3rd Floor, New York, NY 10016. EOE.**

Deadline for application materials has been extended to January 15, 2002.



STEM CELL SCIENCES INITIATIVE *Faculty Positions Available*

The Medical College of Wisconsin and the Blood Research Institute of The Blood Center of Southeastern Wisconsin announce the establishment of an inter-institutional initiative to develop multiple programs in the stem cell sciences. The purpose of this initiative is to establish multiple laboratories studying basic and/or applied aspects of stem cell biology. The fields of interest include hematopoiesis, the neurosciences, oncology, hepatology, etc. The programs will be designed and constructed to be interactive and recruitment will be simultaneous. Resources are available through the Medical College of Wisconsin, the Blood Research Institute, both clinical and basic science departments within the College, and the Center for Human and Molecular Genetics.

The initiative has resources to enable the recruitment of up to six investigators involved in various aspects of stem cell research including (but not exclusively):

- Stem cell isolation, characterization, and patterns of early gene expression.
- Stem cell self renewal (expansion)
- Stem cell fates, including plasticity
- Molecular mechanisms of lineage restriction (commitment)
- Stem cell transplantation
- Stem cells as vehicles for gene therapy

Applications for faculty positions at all levels are being invited. Interested candidates should send a curriculum vitae, bibliography, and the names of three references to:

Michael J. Dunn, M.D.
Executive Vice President
and Dean/Professor
Medical College of Wisconsin
Dean's Office
8701 Watertown Plank Road
Milwaukee, WI 53226
mdunn@mcw.edu

John W. Adamson, M.D.
Executive Vice President
for Research
Director, Blood Research Institute
Blood Center of Southeastern Wisconsin
P.O. Box 2178
Milwaukee, Wisconsin 53201-2178
jwadamson@bcsew.edu

The Medical College of Wisconsin and The Blood Center of Southeastern Wisconsin are equal opportunity employers. Minority and women scientists are encouraged to apply.

POSITIONS OPEN

POSTDOCTORAL POSITION AVAILABLE The Laboratory of Allergic Diseases NIAID/NIH

A Postdoctoral position is available in the Laboratory of Allergic Diseases NIAID/NIH using mouse models of allergic disease with an emphasis on developing a basic understanding of *in vivo* mechanisms of allergic inflammation/asthma. The project will involve using cellular and molecular approaches including real-time PCR and microarrays to study gene expression in inflammatory cells. For this position, we are looking for a motivated individual with an M.D., Ph.D., or M.D./Ph.D. in immunology or molecular/cell biology who has experience working with animal models and who preferably has interest in inflammation and cytokine/chemokine expression. Salary based on relevant experience and education. Qualified and interested candidates should send a copy of their curriculum vitae and contact details including telephone numbers and e-mail addresses of three references to: **Postdoctoral Search Committee, c/o Andrea Keane-Myers, Ph.D., NIH/NIAID/LAD, Twinbrook II Facility, Room 200E, 12441 Parklawn Drive, Rockville, MD 20852-8180. E-mail: akeane@niaid.nih.gov.**

The NIH is an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH FELLOW position available immediately to work on research projects involving sooty mangabeys, a nonhuman primate species in which SIV infection does not lead to AIDS. The candidates will investigate T lymphocyte dynamics and virus-specific CD4+ and CD8+ T lymphocyte responses in naturally and experimentally SIV-infected sooty mangabeys, using a range of state-of-the-art techniques. Experience with flow cytometry, cell culture techniques, and/or assays in cellular immunology is highly desirable. The candidate will pursue research at the New England Regional Primate Research Center in a highly stimulating and collaborative environment devoted to various aspects of AIDS research. Applicants should send their curriculum vitae along with names, addresses, and telephone numbers of three references to: **Amitinder Kaur, M.D., Division of Immunology, New England Regional Primate Research Center, Harvard Medical School, One Pinehill Drive, Southborough, MA 01772. E-mail: amitinder_kaur@hms.harvard.edu.**

POSTDOCTORAL POSITION. Development of the neocortex and hippocampus. Use of an innovative method of gene transfer into living mouse embryos, classic gene targeting, and DNA microarray approaches to identify molecular mechanisms that construct the mammalian cerebral cortex. See T. Fukuchi-Shimogori and E. A. Grove, *Science* 294:1071-1074, 2001; C. W. Ragsdale and E. A. Grove, *Curr. Opin. Neurobiol.* 11:50-58, 2001; website: <http://neurobiology.bsd.uchicago.edu/faculty/grove.htm>. Experience in vertebrate embryological manipulations or molecular biology an asset. Send curriculum vitae and names of three references to: **Dr. Elizabeth Grove, Department of Neurobiology, Pharmacology and Physiology, University of Chicago, MC0926, Chicago, IL 60637. E-mail: egrove@drugs.bsd.uchicago.edu.**

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Two **POSTDOCTORAL POSITIONS** are immediately available focusing on (1) the metabolism and DNA adduct formation of genotoxic mycotoxins and (2) metabolism, photochemistry, and phototoxicity of tattoo dyes. These projects require knowledge of xenobiotic metabolism and analytical methods. Applicants should have a strong background in biochemistry. The salary is commensurate with experience (range: \$43,326 to \$51,927). Send cover letter, curriculum vitae, and names of three references to: **Paul C. Howard, Ph.D., Director, NTP Center for Phototoxicology, National Center for Toxicological Research, FDA, Jefferson, AR 72079. E-mail: phoward@nctr.fda.gov.**

POSITIONS OPEN

POSTDOCTORAL POSITION available immediately to study intins and protein splicing (*Ann. Rev. Genet.* 34:61-76, 2000). Send curriculum vitae and references to: **Dr. Paul Liu, Department of Biochemistry and Molecular Biology, Dalhousie University, Halifax, NS B3H 4H7 Canada. E-mail: pxqliu@is.dal.ca.**

POSTDOCTORAL POSITION Stem Cell Research and Tissue Engineering

The University of California Los Angeles Department of Urology is seeking a Postdoctoral Fellow to study adult-derived stem cells, smooth muscle differentiation, and stem cell-derived biomaterials for urological application. The position requires a Ph.D. in molecular biology, cell biology, biomedical engineering, or a related field. Candidates should have a strong background in molecular biology and cell culture techniques. A surgically minded person with an interest in the application of stem cell research and tissue engineering to animal models and urologic disease processes is strongly preferred. The candidate will work in the laboratories of **Dr. Larissa V. Rodriguez and Dr. Marc Hedrick.**

Please send curriculum vitae and names of three references to:

**Larissa V. Rodriguez, M.D.
University of California Los Angeles
924 Westwood Boulevard, Suite 520
Los Angeles, CA 90024
E-mail: lrodriguez@mednet.ucla.edu**

POSTDOCTORAL POSITION available. Research: *in vivo* mechanisms of action of hormonally active chemicals in the mammary, uterus, and prostate, focusing on sex steroid and growth factor receptor mechanisms including regulation of receptor co-regulator proteins, DNA methylation studies, and *in vivo* signal transduction studies. Prefer individual with experience in molecular endocrinology. Opportunity for Postdoctoral individual to expand in new directions. University of Alabama at Birmingham has a comprehensive cancer center and is ranked 17th in the nation in obtaining research grants. State-of-the-art instrumentation and technology is available. Send curriculum vitae to: **Dr. Coral Lamartiniere, Department of Pharmacology and Toxicology, University of Alabama at Birmingham, Volker Hall 124, 1670 University Boulevard, Birmingham, AL 35294. E-mail: coral.lamartiniere@ccc.uab.edu.**

POSTDOCTORAL ASSOCIATES INSTITUTE OF MARINE AND COASTAL SCIENCES

Rutgers, The State University of New Jersey

One-year appointments, renewable, in the areas of biological, chemical, geological, and physical oceanography. Please send résumé; a statement of research interest; and the names of three references by January 15, 2002, to: **Dr. J. Frederick Grassle, Rutgers, The State University, Institute of Marine and Coastal Sciences, 71 Dudley Road, New Brunswick, NJ 08901-8521. Rutgers is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL ASSOCIATE POSITION is immediately available for biochemical and structural studies of proteins/DNA complexes involved in base excision DNA repair. Applicants should have either a background in molecular biology/biochemistry with a strong interest in structural biology or a background in structural biology with an interest in conducting wet experiments. Interested candidates please submit their curriculum vitae plus three letters of reference to: **Yoshihiro Matsumoto, Ph.D., c/o Human Resources, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL POSITION University of Virginia

Postdoctoral positions available for investigations into regeneration and a form of neural stem cell proliferation that holds hope of eventual treatments for permanent hearing loss and balance disorders. Our projects focus on (1) learning how to reverse proliferative quiescence that develops as sensory neuroepithelia mature and (2) understanding the control of cellular differentiation in those systems via expression analyses utilizing Affymetrix GeneChips, proteomics, and other approaches and through *in vitro* and *in vivo* approaches that utilize transfections, time-lapse, confocal and multiphoton microscopy as well as other methods. Past trainees from our laboratory are now faculty and laboratory heads at UCLA, University College London, Washington University at St. Louis, NIH, and elsewhere. Motivation, strength in molecular biology, bioinformatics, cell biology, neuroscience, developmental biology, or biochemistry and the ability to fit into a high-morale laboratory group are required.

Our laboratory is well equipped and well funded. For details, please send a letter of interest, curriculum vitae, and addresses and telephone numbers of three references to: **Jeffrey T. Corwin, Ph.D., Department of Neuroscience and Otolaryngology, Box 800396, School of Medicine, University of Virginia, Charlottesville, VA 22908 U.S.A. FAX: 434-982-3966; e-mail: jcorwin@virginia.edu.**

POSTDOCTORAL POSITIONS Molecular Regulation of Capillary Tube Formation

Texas A&M University Health Science Center

Two Postdoctoral positions are available to investigate how capillary tubes assemble in three-dimensional extracellular matrix environments. We are currently investigating the role of novel genes (capillary morphogenesis genes) and Rho GTPases in these events. We utilize both molecular and cell biological techniques in these studies including recombinant adenoviruses, yeast two-hybrid analyses, and endothelial cell morphogenesis assays. Experience with these types of techniques is preferred. Salary commensurate with experience. Please send curriculum vitae and names of three references to: **George E. Davis, M.D., Ph.D., Department of Pathology, Texas A&M University Health Science Center, 208 Reynolds Medical Building, College Station, TX 77843-1114. E-mail: gedavis@tamu.edu.**

POSTDOCTORAL POSITION IMMUNOLOGY

Postdoctoral positions are immediately available to study B cell development, selection, and response using genetically modified mouse models. Positions are within the integrated laboratories of **Dr. Roberta Pelanda** and **Dr. Raul Torres** within the Department of Immunology, National Jewish Medical and Research Center/University of Colorado Health Sciences Center. Candidates should have a strong background in immunology and/or molecular biology. Please send curriculum vitae, description of research experience, and names of three references to: **Dr. Roberta Pelanda** or **Dr. Raul Torres, NJMRC, 1400 Jackson Street, Denver, CO 80206. E-mail: pelandar@njc.org; torresr@njc.org. Affirmative Action/Equal Employment Opportunity Employer.**

POSTDOCTORAL POSITION

A new program will guide the development of stem cell-based therapies using magnetic tagging and MRI tracking techniques. Experience with high-resolution MRI systems, stem cell biology, and/or cellular tracking techniques (other imaging modalities) is desirable. Contact: **Jeff W.M. Bulte, Ph.D.** or **Peter C.M. VanZijl, Ph.D., The Johns Hopkins University School of Medicine, Department of Radiology, 217 Traylor Building, 720 Rutland Avenue, Baltimore, MD 21205-2195. E-mail: jwmbulte@mri.jhu.edu or pvanzijl@mri.jhu.edu.**

POSITIONS OPEN

POSTDOCTORAL POSITIONS Structural Biology

Ribosome structure and function are being explored by three-dimensional cryoelectron microscopy (see, for instance, Gabashvili et al., *Cell* 100:537, 2000; Frank and Agrawal, *Nature* 406:318, 2000; Spahn et al., *Cell* 107:373, 2001). The current resolution of cryo-EM density maps in the range of 8-15 Å allows RNA helices to be traced and protein domains to be fitted. The technique, quite generally, is a key to the exploration of the structure and functional dynamics of molecular machines. We seek enthusiastic Scientists with a biochemistry background who wish to get training in all aspects of cryo-EM and to participate in research at the frontier of biology. The positions are funded by the National Institutes of Health. Please send your curriculum vitae and the names of three references to: **Dr. Joachim Frank, Wadsworth Center, P.O. Box 509, Albany, NY 12201-0509. FAX: 518-486-2191; e-mail: joachim@wadsworth.org.**

POSTDOCTORAL IMMUNOLOGIST

The Department of Surgery at Penn State College of Medicine is looking for an Immunologist whose major interest and experience are in intestinal immunology. The candidate will join a group of clinical and basic Scientists in a funded research program into immunology and genetics of inflammatory bowel disease (IBD). An IBD Patient Registry is being established to facilitate these studies. The candidate should possess a Ph.D. with one to two years of postdoctoral experience, preferably in intestinal immunology or related fields. Salary/benefits are negotiable. Please send inquiries and curriculum vitae with two to three references to: **Walter A. Koltun, M.D., Department of Surgery H137, Penn State Hershey Medical Center, 500 University Drive, Hershey, PA 17033. FAX: 717-531-0646; e-mail: wkoltun@psu.edu.** Penn State is committed to Affirmative Action, Equal Opportunity, and the diversity of its workforce.

POSTDOCTORAL POSITIONS Laboratory of Neurosciences National Institute on Aging

The Laboratory of Neurosciences within the Intramural Research Program of the National Institute on Aging (NIA) in Baltimore, Maryland, invites applications for Postdoctoral positions studying the genetics of aging in *C. elegans*. Research will focus on the aging of the nervous system and the nervous system's role in determining lifespan; see website: <http://www.grc.nia.nih.gov/Branches/lms/mgu.htm> for details. Applicants must have a Ph.D. and/or M.D. with not more than five years of Postdoctoral experience. A background in neuroscience is helpful. To apply, send curriculum vitae, bibliography, and names/addresses of three references to: **National Institute on Aging, c/o Dr. C. Wolkow, IRP/LNS, 5600 Nathan Shock Drive, Baltimore, MD 21224-6825.** The deadline for submission of applications is January 15, 2002. *NIH is an Equal Opportunity Employer.*

POSTDOCTORAL POSITION is available to study the molecular mechanisms of inward rectifier K⁺ channels function and their regulation by polyamines. Major approaches include but not limited to biophysics and mutagenesis of K⁺ channels, generation of transgenic mice, work with isolated mouse heart and single cardiomyocytes, patch clamp electrophysiology, and cell biology of K⁺ channels as well as computer modeling of ion conduction and cellular excitability. Ph.D. degree is required and appropriate experience is highly valued. Please submit curriculum vitae and names and addresses of three references to: **Dr. A. Lopatin, University of Michigan Department of Physiology, Medical Science II, Ann Arbor, MI 48109-0622. Telephone: 734-615-8903; FAX: 734-936-8813; e-mail: alopatin@umich.edu; website: <http://www.med.umich.edu/phys>.**

POSITIONS OPEN

NIH-funded **POSTDOCTORAL POSITION** in the Yale Cardiovascular Gene Therapy program will focus on the investigation of targeted pathways of macromolecular transport and application to therapeutic gene delivery. Position available immediately. For information, send résumé to: **Dr. Frank J. Giordano, M.D., Yale University School of Medicine, BCM 436C, New Haven, CT 06510. E-mail: frank.giordano@yale.edu; FAX: 203-737-2290.**

GLOBAL OPPORTUNITIES

The Institute of Atomic and Molecular Sciences, Academia Sinica, invites qualified candidates to apply for tenure-track **RESEARCH FELLOW** positions in the following research fields: experimental atomic physics, surface science, biophysical science, nanoscience, and theoretical molecular dynamics. Please visit website: <http://www.iam.s.sinica.edu.tw> for detailed academia activities of the Institute. Successful candidates must show excellent academic achievements and abilities to establish a successful research program within the Institute in the above research fields. Collaborations with other Research Fellows are strongly encouraged. Interested applicants should send full curriculum vitae including a list of publications, a research proposal, and at least three letters of recommendation to: **Dr. Chi-Kung Ni, P.O. Box 23-166, Institute of Atomic and Molecular Sciences, Academia Sinica, Taipei, Taiwan. E-mail: ckni@po.iam.s.sinica.edu.tw; FAX: 886-2-2362-0200.** To ensure timely processing, all application materials must be received by January 15, 2002.

MEETINGS

CHANNELS AND TRANSPORTERS: International School of Biophysics, Erice, Sicily, 3-12 April 2002. Topics: voltage-gated channels; Ca-entry channels; G protein-gated receptors; Na-coupled glutamate, GABA, and monoamine (5HT, DA, and NE) transporters; vesicular transporters; Cl channels and transporters; patch clamp; amperometry; regulation; and pharmacology; crystal structure of ABC transporters; channels/transporters in human disease. Speakers: **Amara, Bezanilla, Blakely, Clapham, Chang, DeFelice, Frazer, Galli, George, Hille, Jahn, Kanner, Kavanaugh, Mazzanti, Rudnick, Ypey.** Sponsors: Igagen and Wyeth-Ayerst. Application: **Louis DeFelice, Pharmacology Department, Vanderbilt University, Nashville, TN 37232-6600. Telephone: 615-343-6278; e-mail: lou.defelice@mcmail.vanderbilt.edu.** More information and on-line application: website: <http://medschool.mc.vanderbilt.edu/transporters2002/>.

CONFERENCES

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Biomedical Bioelectronic,
Biomaterialization, Bioanalytical
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Discovery, Separation, Prediction and Modeling
Two leading-edge technology conferences designed to generate interdisciplinary exchanges aimed at sparking new developments in these exciting fields. Biomaterials: March 12-13, 2002; Proteomics: March 14-15, 2002. Engineering Outreach, University of Delaware, Newark campus; Telephone: 302-831-4863; e-mail: enggoutreach@udel.edu; website: <http://www.udel.edu/engg/outreach>.

ANNOUNCEMENTS

SCIENCE SUMMER SCHOOL UNIVERSITY OF CAMBRIDGE 14 JULY-3 AUGUST 2002

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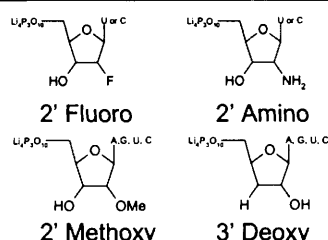
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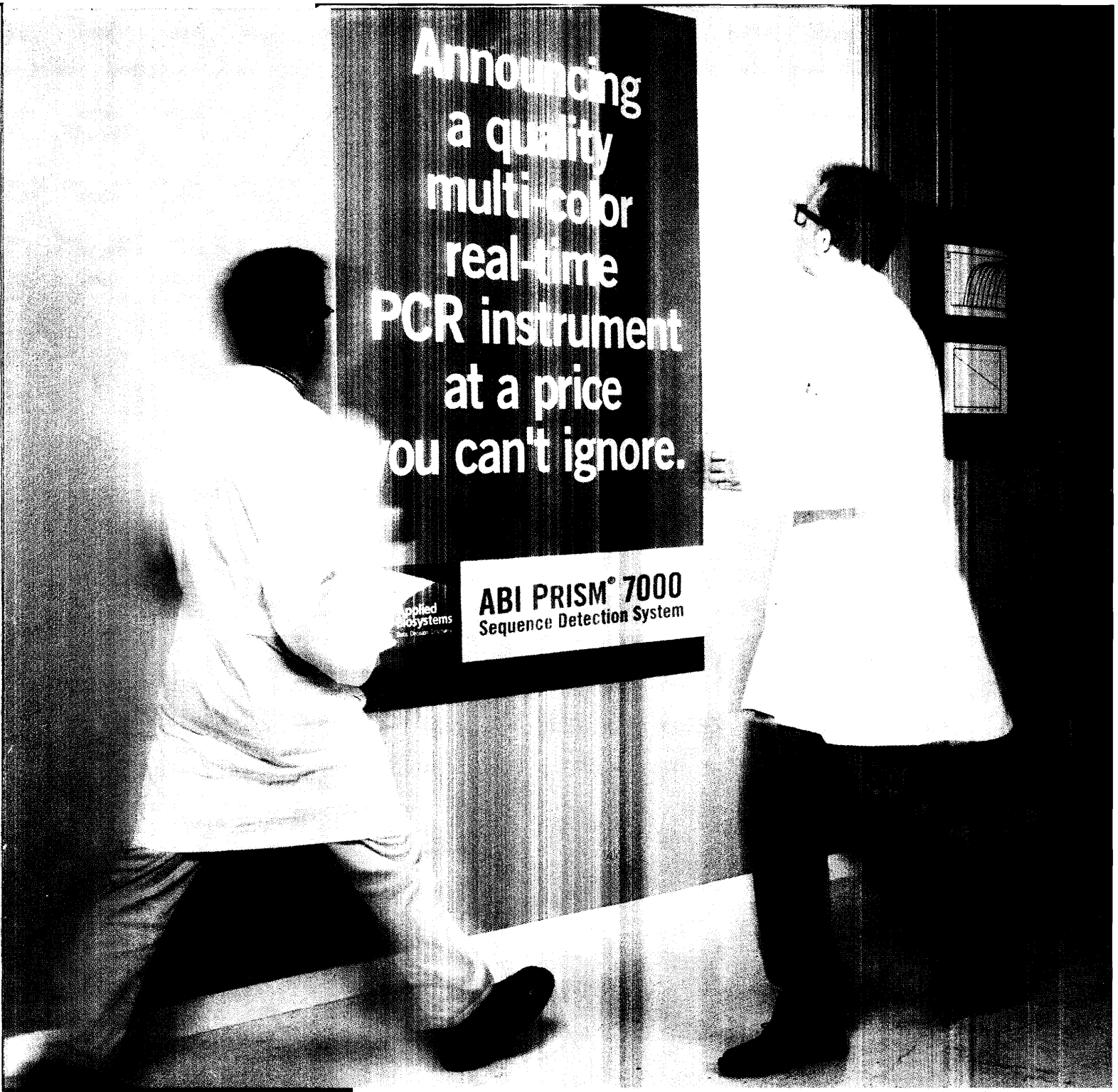
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