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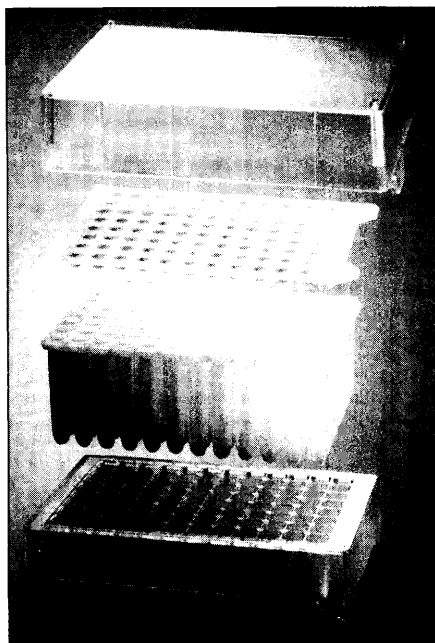
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LITERATURE

Jet-Stream Dry Down Evaporator and Sirocco Evaporator Gas Heater is a brochure on a pair of products. The Jet-Stream is designed to accelerate the concentration and dry down of solid-phase extraction eluent, synthesized DNA samples, and plasmid preparations, and concentration of sequenced products in a variety of 96-well formats. It can normally achieve the dry down in a matter of minutes, more quickly than traditional vacuum centrifuge or heating block methods. A typical 200 μl solvent sample can normally be dried down in about 20 min. Applications include solid-phase extraction, combinatorial chemistry, and DNA synthesis. The Sirocco Evaporator Gas Heater is a self-contained, free-standing, flow-through heater that preheats the dry down gas, which accelerates the rate of evaporation.

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POSITIONS OPEN

RESEARCH ASSISTANT PROFESSOR GENOMICS AND BIOINFORMATICS

A position as leader in the Genomics Core Research Facility is available at the University of Nebraska-Lincoln Center for Biotechnology. We are looking for a dynamic Scientist to develop and lead the Genomics Core Research Facility as an interdisciplinary laboratory that works with UNL researchers to analyze the genome of plants, animals, and microorganisms. Technologies such as high-throughput sequencing, expression profiling (microarray technology), and robotics will be an integral part of this facility, fully integrated with the bioinformatics resources. The candidate should hold a Ph.D. in genetics, biochemistry, or related discipline and have documented postdoctoral experience in genomics. The incumbent will hold an appointment as **RESEARCH ASSISTANT PROFESSOR** (tenure track) in one of the life sciences academic departments of the University and is expected to develop active interdisciplinary research collaborations with faculty to establish and extend extramurally funded research programs. The Genomics Core Research Facility is located in the new George W. Beadle Center, which houses the majority of the core facilities and 22 other bioscience research laboratories. Please send your curriculum vitae to: **Dr. Ruben Donis, N300 Beadle Center, University of Nebraska, Lincoln, NE 68588-0665. Telephone: 402-472-2635; e-mail: rdonis@unlnotes.unl.edu.** Screening of applications will begin September 15, 2000.

The University of Nebraska is committed to a pluralistic campus community through Affirmative Action and Equal Opportunity and is responsive to the needs of dual-career couples. We assure reasonable accommodation under the Americans with Disabilities Act; please contact Dr. Ruben Donis; Telephone: 402-472-2635 for assistance.

STANFORD UNIVERSITY DEPARTMENT OF CHEMISTRY

TENURE-TRACK FACULTY APPOINTMENT, open rank, in the general area of inorganic or organic chemistry. Applicants must be strongly motivated toward creative research and committed to teaching at the undergraduate and graduate levels. All applications must include the following materials: (1) current curriculum vitae and list of publications, (2) brief statement of research interests (three pages or less), and (3) three letters of reference sent on your behalf to the Chair of the appropriate search committee. Completed applications must be received by October 31, 2000. Appointments will commence on or after September 1, 2001.

Send applications in the general area of inorganic chemistry to: **Chair, 2000-2001 Inorganic Search Committee, Department of Chemistry, Stanford University, Stanford, CA 94305.** Send applications in the general area of organic chemistry to: **Chair, 2000-2001 Organic Chemistry Search Committee** (same address as for inorganic chemistry applications).

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ASSISTANT PROFESSORSHIPS IN INORGANIC, ORGANIC, AND PHYSICAL CHEMISTRY Department of Chemistry and Chemical Biology Harvard University

Applicants are invited to apply for Assistant Professorships in inorganic, organic, and physical chemistry. Applicants should arrange to have three letters of recommendation sent independently and should provide curriculum vitae, a list of publications, and outlines of two future research projects. Applications and supporting materials should be sent to: **Professor James Anderson, Chairman, Department of Chemistry and Chemical Biology, Harvard University, 12 Oxford Street, Cambridge, MA 02138-2902.** *Harvard University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women and minority group members.*

POSITIONS OPEN

HEAD VETERINARY MOLECULAR BIOLOGY MONTANA STATE UNIVERSITY

Applications and nominations are invited for the Head of Veterinary Molecular Biology (VMB) at Montana State University, Bozeman, Montana. VMB is a research unit focused on disease processes with an emphasis on basic and applied studies of host-pathogen interactions. Academic responsibilities include the animal option of an interdisciplinary biotechnology undergraduate degree program, preveterinary program, and M.S./Ph.D. degrees. Montana State University, a land grant university, is located in a community of 35,000 people with a high quality of life, excellent public schools, and only minutes from outstanding recreational opportunities. Departmental research programs are all funded by extramural grants from the NIH with additional funds from U.S. Department of Agriculture and other competitive sources. Considerable institutional support for hard money research positions, research infrastructure, and state-of-the-art equipment [high-speed FACS (Vantage TurboSort, FACScalibur, FACScan), DNA sequencer, electron microscope, for example] provides a research institute atmosphere conducive to the pursuit of a wide range of biomedical research. Qualifications: Ph.D., Ph.D./D.V.M., M.D., Ph.D./M.D. in a biomolecular discipline; competitive extramurally funded research program in infectious disease, immunology, and/or animal cell and developmental biology; substantial record of publication in high-quality, peer-reviewed journals; experience managing budgets/personnel; demonstrated ability to teach effectively and direct graduate student research; qualifications commensurate with appointment to **ASSOCIATE** or **FULL PROFESSOR**. For complete announcement including job requirements, see website: <http://agadsrv.msu.montana.edu/vmb/jobs.html>. Screening of applications begins October 1, 2000. To apply, send letter of application addressing the qualifications listed above, administrative philosophy, curriculum vitae, selected reprints, a summary of current research, and contact information for five references to:

**Chair, Department Head Search Committee
Veterinary Molecular Biology
MSU-Bozeman, MT 59717-3610
Telephone: 406-994-4705; FAX: 406-994-4303**

Americans With Disabilities Act/Equal Opportunity/Affirmative Action/Veteran's Preference.

The U.S. Department of Agriculture, Agricultural Research Service, Beltsville Human Nutrition Research Center, Nutrient Requirements and Functions Laboratory (NRF), Beltsville, Maryland, is seeking a permanent full-time **SUPERVISORY RESEARCH MICROBIOLOGIST**, GS-14/15. Salary is commensurate with experience (\$71,954 to \$110,028 per year) plus benefits. *Must be U.S. citizen.* Serves as Research Leader of the NRF and is responsible for conceiving, initiating, directing, and coordinating broad research programs to provide a scientific basis for recommending foods and diets conducive to maintaining optimal health and productive life span of humans. As a Research Scientist, should have a research program that is aimed at determining the role of diet in improving the immunity of the host at a level of the gastrointestinal mucosa. Special emphasis is placed in the immunology of resistance to parasitic diseases and identification of the genes and gene products controlling resistance to infection. Appropriate qualifying education in microbiology or biology, chemistry, or basic medical science is required. For research program information, contact: **Dr. Joseph Spence; Telephone: 301-504-8157; e-mail: spencej@ba.ars.usda.gov.** To address specific qualification requirements and application instructions, e-mail: **bjacobs@ars.usda.gov** or **Telephone: 301-504-1350.** For a copy of announcement ARS-X0E-4075 and/or application forms, **Telephone: 301-504-1484; website: <http://www.ars.usda.gov/afm/hrd/resjobs/htm>.** Applications must be postmarked by September 11, 2000. *USDA/ARS is an Equal Opportunity Employer and Provider.*

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BIOINFORMATICS

SENIOR SCIENTISTS:

Scientist, Gene Expression Informatics **Job Code: BOSGEI**

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Scientist, Genome Informatics **Job Code: BOSGI**

Responsible for developing, evaluating and integrating tools and systems allowing for high throughput analysis and annotation of EST and genomic sequences arising from human, mouse, and rat sequencing projects. Activities include application of advanced clustering and assembly algorithms to large EST data sets; informatics analysis of resulting data space to assess quality and refine methods; and evaluation, improvement and deployment of genome analysis and annotation pipelines. Provide scientific leadership in the development, evaluation and deployment of automated pathway analysis systems and participate in team initiatives in the formation of gene centric information systems. Ph.D. in Bioinformatics, Biophysics, Molecular Biology, or Computer Science with 3+ years relevant professional experience and proven record of developing tools for computational sequence analysis. Must have in-depth understanding of the algorithms and tools for sequence analysis and homology searches, DNA clustering and alignment tools, HMMs, and gene structure prediction approaches. Programming experience should include server-side Java, Perl, C, CGI, & JavaScript; familiarity with CORBA and XML technologies is useful. Practical experience with database design & implementation in Oracle or Sybase is required.

RESEARCH ASSOCIATE:

Analyst, Genome Informatics **Job Code: BOAGI**

Responsible for evaluation, use, integration, and training of advanced sequence analysis tools and data sets. Work closely with investigators in the identification of disease-relevant pharmaceutical targets using assembled EST, annotated genomic, and proprietary sequences. Act as scientific liaison between the bioinformatics development group and the investigators defining new scientific requirements and identifying & implementing tools that integrate data enabling target selection. Evaluate, disseminate and test new systems created or proposed to meet these requirements. Background in Bioinformatics, Biophysics, or Molecular Biology with 1-3 years full time bioinformatics experience in academia or industry. Must have basic knowledge of sequence analysis tools and public DNA/protein databases. Must also be familiar with UNIX operating system and relational database technology. Considerable programming experience in Perl and one of the following languages: C, C++, Java.

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To qualify, you must possess a Bachelor's degree in Biology, Biochemistry, Computer Science or related field and 3-5 years' experience in the application of fluorescence flow cytometry and cell sorting or microscope-based imaging to biological problems. Excellent PC skills as well as computer literacy with one or more of the following platforms are essential: VAX/Open VMS, PC/Windows NT, Macintosh/MAC OS or HP/Pascal. Training of individuals with exceptional academic/research credentials will be considered.

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Applicants should provide Curriculum Vitae, list of publications, as well as a statement of research accomplishments and future research interests, together with the names and addresses of 3 references to:

David G. Russell
Chair, Department of
Microbiology and Immunology
College of Veterinary Medicine
Cornell University, Ithaca, NY 14853
Informal inquiries by E-mail to
dgr8@cornell.edu.

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Chemist

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Please forward your scannable resume with appropriate Job Code, by email, fax, or mail to: resume@ll.mit.edu (ASCII text file); Fax: (781) 981-2011; MIT Lincoln Laboratory, Human Resources, 244 Wood Street, Lexington, MA 02420-9108.

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US Citizenship is required.



Program of Angiogenesis Research

The Department of Cancer Biology and the Program of Cancer Drug Discovery and Development are seeking a research scientist to develop a research program in angiogenesis. A major feature of the program in Angiogenesis Research would be a focus on the interactive cellular biology and molecular signal transduction pathways of endothelial cells. The program leader will be expected to lead a strong investigative program whose purpose will be the development and identification of mechanisms of control of angiogenesis for therapeutic intervention. Thus the angiogenesis program would be expected to develop validated molecular targets for antiangiogenesis therapies for cancer. The successful applicant would be expected to be a full participant in the identification of therapeutic strategies for clinical investigation in a translational team approach with the Cancer Drug Discovery and Development Program. The successful applicant would also be expected to be proactive in integrating their program in angiogenesis with other investigators at the Cleveland Clinic in utilizing angiogenesis or antiangiogenesis for treatment of a broad range of human diseases affected by altered requirements for angiogenesis. The Cleveland Clinic Foundation is committed to recruiting an outstanding investigator at the assistant, associate or full staff level. The successful applicant would have an appointment in the Department of Cancer Biology of the Lerner Research Institute and be closely affiliated with the Program of Cancer Drug Discovery and Development of the Cleveland Taussig Cancer Center. The appointment would be accompanied by an attractive recruitment package of institutional resources and funding reflective of the academic level of the appointment. The Lerner Research Institute of the Cleveland Clinic Foundation, under the leadership of George Stark and comprising over 100 independent investigators and over 800 employees has a long-standing commitment to excellence in biomedical research with an annual budget in excess of \$100 million. Applications including curriculum vitae and names and addresses of three references should be sent to the chairman of the angiogenesis recruitment committee.

Dr. Warren D. W. Heston
Director, Research Program in Prostate Cancer
Department of Cancer Biology ND50
The Lerner Research Institute
Cleveland Clinic Foundation
9500 Euclid Avenue
Cleveland, Ohio 44195

The Cleveland Clinic Foundation is an Equal Opportunity Employer

Faculty Level Position for a Molecular Geneticist or Molecular Biologist

With an interest in atherosclerosis, vascular biology, or cardiovascular disease

The Research Institute of the Palo Alto Medical Foundation is seeking an individual with a Ph.D. or M.D. and postdoctoral training in molecular genetics or molecular biology, and an interest in applying this to problems of relevance to atherosclerosis, vascular biology, lipid metabolism or other related aspects of cardiovascular disease. The individual should have a documented track record in this area, and would join a group of independent investigators with similar interests. They will be provided with sufficient laboratory and office space in a modern new facility to establish an independent program that can attract extramural support. There are excellent opportunities for collaboration, both in the existing group, and with investigators in nearby institutions. Salary and benefits are competitive.

The Research Institute of the Palo Alto Medical Foundation is a fifty-year-old, non-profit institution with stable intramural funds and is an equal opportunity employer. Send CV to:

Allen Cooper, M.D., Director
Research Institute, PAMF
Ames Building
795 El Camino Real
Palo Alto, CA 94301

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ICN Pharmaceuticals, Inc. is a global research-based pharmaceutical company based in Costa Mesa, California. We are currently seeking the following research scientists to join our multidisciplinary research and development team whose main focus is the development of antiviral and anticancer therapies.

GROUP LEADER/PRINCIPLE SCIENTIST

We are seeking a highly motivated individual with a strong scientific track record and extensive industrial experience to lead an Antiviral research team. This position requires a Ph.D. in Virology or related disciplines and excellent communication and management skills. Previous experience in HIV and/or HBV drug discovery research is required.

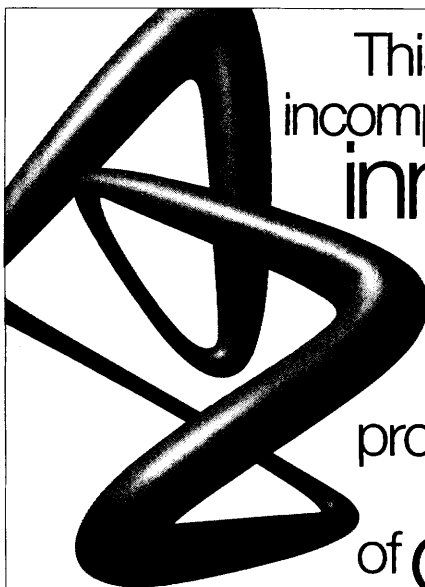
SCIENTIST/ASSOCIATE SCIENTIST/ASSISTANT SCIENTIST (PH.D/MS/BS)

As part of the biology group, these positions will be responsible for conducting research for identifying and characterizing drug candidates as therapeutic agents. These positions require research in Molecular Biology, Virology, Biochemistry or Cell Biology. Familiarity in various state-of-the-art techniques, excellent communication skills and the ability to interact successfully in a cooperative team environment are required. Previous experiences in assay development a plus.

We offer a competitive compensation and benefit package (including **CHILD CARE** subsidy) and excellent opportunities for growth. For consideration, please send your resume with salary history to: **ICN Pharmaceuticals, Inc., Attn: HR Dept., 3300 Hyland Avenue, Costa Mesa, CA 92626. FAX: (775) 205-5760 or apply online at: www.icnpharm.com EOE M/F/D/V.**



Principals only. No phone calls or faxes please. ICN seeks a diverse work force. ICN Pharmaceuticals, Inc. does not discriminate in its employment policies in any way prohibited by local, country or international laws which govern employment practices.



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AstraZeneca's \$8-million a day investment in R&D has resulted in industry-leading innovation. Our R&D commitment plus how we work together is the foundation of our success. Everybody is part of the team. Everybody shares in success. Exciting research and development openings are available in our Drug Metabolism and Pharmacokinetics department in **Wilmington, Delaware**. We are seeking the following experienced scientists to become part of our team at AstraZeneca.

Sr. Research Scientists – Focus on biotransformation of discovery leads and drug development candidates. Positions require a Ph.D. in Medicinal Chemistry, Toxicology, or a related discipline with 1-5 years postdoctoral experience and specific knowledge of xenobiotic biotransformation chemistry, instrumentation, methods, and MS/NMR spectra interpretation. Industrial experience with in vitro metabolism systems and preclinical and clinical ADME studies preferred. Excellent technical writing skills are essential. **Please reference Source Code: 3896/4347**

Sr. Research Scientists – Focus on development/use of cellular and in situ model systems to investigate the role of carrier-mediated uptake/efflux processes in compounds' ability to penetrate the blood:brain barrier (BBB) and other tissue barriers. We are seeking research professionals with a Ph.D. in Cell Biology, Pharmaceutical Sciences, or a related discipline and 1-5 years postdoctoral experience in membrane transporter proteins and their function in physiology and drug disposition. Effective work in cross-disciplinary project teams is desired. **Please reference Source Code: 3899/4346**

Research Bioanalytical Chemist – Provide and oversee high quality method development and quantitative bioanalysis in support of drug development programs, utilizing and advancing LC/MS/MS and automation technologies. Must have a good understanding of GLP, drug analysis in biological fluids and separation science. The ideal candidate will have a Ph.D. in Analytical Chemistry, Pharmaceutical Sciences or related field, or an MS/BS degree with training and experience commensurate with earning a Ph.D. in these disciplines. **Please reference Source Code: 4348**

Research Pharmacokineticist – Provide high quality preclinical drug metabolism and pharmacokinetics packages in support of drug development programs and serve as the DMPK representative to global product teams. Requires demonstrated knowledge of compartmental, noncompartmental and statistical methods of analysis. The ideal candidate will have a Ph.D. in Biopharmaceutics, Pharmacokinetics, or a related discipline, or an MS/BS degree with training and experience commensurate with earning a Ph.D. in these disciplines. **Please reference Source Code: 3826**

World leader AstraZeneca offers outstanding rewards to those who can help us help others. Please submit your resume, indicating Source Code of interest, to: **AstraZeneca, 1800 Concord Pike OW3, P. O. Box 15437, Wilmington, DE 19850-5437. Fax (302) 886-7124.** AstraZeneca is proud to be an equal opportunity employer.



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SCIENTIFIC ADMINISTRATOR Human & Molecular Genetics Center Medical College of Wisconsin

Responsible for the management of all phases of research grant and contract administration. This person will play a major role in the daily operations of the center, working to develop the overall scientific funding program and administrative policies and procedures in accordance with institutional and government guidelines for the 14 faculty being recruited into this center during the next 5 years. Work with investigators to secure program grant funding from both the public and private sectors. Position will entail overseeing the administrative staff of the center, space allocation, and hiring of research and administrative personnel.

This position requires strong organizational skills and demonstrated experience in managing (writing the annual budget, reviewing individual budgets, financial structures, and achieving budgetary goals) multimillion dollar budgets with at least 3 years of experience. Excellent communication skills both oral and written are essential. Experience working within a laboratory or bioinformatics group is required, and a PhD is preferred.

Salary and benefits will be commensurate with experience and qualifications for this key position. Please submit letter of interest, resume and/or curriculum vitae to:

Kendall Choate
Program Coordinator
Human & Molecular Genetics Center
Medical College of Wisconsin
8701 Watertown Plank Road
Milwaukee, WI 53226
E-mail: Kchoate@mcw.edu



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Postdoctoral position available immediately in a multidisciplinary research group to uncover novel mechanisms that regulate cell membrane synthesis. Ongoing projects in functional genomics, molecular biochemistry and transgenic mice address the roles of key enzymes in phospholipid metabolism during cell cycle progression, apoptosis and in whole animals. Motivated scientists with a recent or forthcoming PhD and a strong background in biochemistry or related disciplines can expect a challenging and well-supported research environment and competitive salary/benefit package. Please send curriculum vitae, a short statement of research interests and names of three references to: **Suzanne Jackowski, PhD, Biochemistry Department, St. Jude Children's Research Hospital, 332 N. Lauderdale, Memphis, TN 38105. E-mail: suzanne.jackowski@stjude.org**
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Bioprocess Engineer/Scientist

The mission of Human Genome Sciences is to treat and cure disease by bringing new gene-based medicines to patients around the world. We are dedicated to discovery for health. We believe that our genomics-based drugs will usher in a new generation of healthcare products. Our medicines will use the human body's natural substances - genes, proteins and antibodies - to repair, rebuild and restore to normal health damaged, diseased and aged tissues.

Individual will produce novel proteins primarily from yeast fermentation and design and implement manufacturing processes suitable for cGMP manufacturing. In addition, individual will prepare reports, protocols, and SOPs, and operate and trouble-shoot bioprocess equipment.

Qualified candidate will have an MS degree in Biochemical Engineering, Micro, or Molecular Biology with a thesis and 5-8 years related experience or a Ph.D. Experience in fermentation, yeast expression systems, and/or recovery bioprocess operations and design including experience with process control systems is required. Experience in pharmaceutical or biotechnology process or product development preferred. cGMP and supervisory experience a plus.

HGS encourages the pursuit of excellence and offers a competitive benefits package, including educational reimbursement, subsidized health club membership, and a 401(k) with employer match. Look for us on the Internet at www.hgsi.com for additional information. For immediate consideration, please send/fax your resume to Human

Resources Department, Human Genome Sciences, Inc., Job Code SH 8/18, 9410 Key West Avenue, Rockville, MD 20850; fax: (301) 309-1845. Our preferred method for receiving resumes is via our Web page or via e-mail. EOE, M/F/D/V.



Visit our Web site to learn more about us:
<http://www.hgsi.com>

Genomics Coordinator

The newly-created *Center for Genomics and Bioinformatics* at Indiana University, Bloomington, seeks an individual to assume principal responsibility for developing and implementing a functional genomics (microarray) facility. The **Genomics Coordinator** will organize the shared facility and will train and oversee its staff. As part of this task, he or she will cooperate with bioinformaticists to implement efficient procedures for data recovery and analysis. In addition, he or she will operate training workshops, consult with faculty and other potential users, and participate in fund-raising efforts. Once the facility is operational the Genomics Coordinator will turn much of his/her attention to research projects directed to the development and implementation of new genomics technologies.

The Genomics Coordinator will be appointed to the research faculty of the University with rank and remuneration depending upon experience. The ideal candidate will have a Ph.D. and several years of appropriate post-doctoral experience and will be able to join us at an early date. The successful candidate will join an active and growing research community in the life sciences. [See: www.bio.indiana.edu/; www.chem.indiana.edu/; www.indiana.edu/~medscil/]

Please submit a cv and a description of your background and interests, and arrange that 3 letters of recommendation be sent directly to:

**Genomics Search
Center for Genomics and Bioinformatics
Indiana University, 1001 E. 3rd St.
Bloomington, IN 47405-3700.**

Applications will be accepted until the position is filled. Those received by October 1 will be assured full consideration. *Indiana University is an affirmative action equal opportunity employer.*

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Eli Lilly and Company is a world leader in the pharmaceutical industry. We create and deliver innovative pharmaceutical-based health care solutions that enable people to live longer, healthier, and more active lives. Our research strategies create challenging opportunities for scientists who insist upon cutting edge projects and excitement in their work.



Research area

Endocrine Research - Obesity & Diabetes- at Eli Lilly is seeking BS/MS/RD scientists to work on:

1. Assay development for screening of novel compounds acting on cell surface receptors, enzymes or transcription factors.
2. Identification and characterization of genes and gene products as novel targets for drug discovery.
3. In vivo evaluation of lead compounds.
4. Interaction of diet and nutrition with pharmaceutical treatment of obesity in animal models.

Required skill sets

We are looking for biochemists and cellular or molecular biologists with strong communication and computer skills able to work in a team environment with expertise in one or more of the following areas:

1. Development and implementation of various cell-based or cell-free assays for high throughput screening of small molecules.
2. In vitro receptor pharmacology and intracellular signaling (e.g. G protein-coupled receptors, receptor tyrosine kinases, etc.).
3. Expression cloning of novel cDNAs and their characterization.
4. In vivo animal physiology.
5. Analysis of circulating metabolites and hormones.
6. Bioinformatics technology.
7. Neuroanatomy and/or neurophysiology.
8. Diet and Nutrition.

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Indianapolis, IN 46285

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National Institutes of Health National Institute of Diabetes & Digestive & Kidney Diseases

Cell Biologist/Biochemist

The Laboratory of Cell Biochemistry and Biology, NIDDK invites applications for a tenure track position in Cell Biology and Biochemistry. The applicant must have a proven record of accomplishment in an important area of modern Developmental or Cell Biology and will be expected to initiate a high quality independent research program. The position offers unparalleled opportunities for scientific interactions within the well-equipped laboratory and in the larger NIH Cell Biology community. The Laboratory Chief is John A. Hanover.

The Laboratory is located on the main intramural campus of the NIH in Bethesda, MD, a suburb of Washington D. C. Interested applicants should send a Curriculum Vitae, list of publications, copies of major publications, future research plans and three letters of reference to:

Jennifer Lippincott-Schwartz, Chair, Search Committee, Laboratory of Cell Biochemistry and Biology, Bldg. 8, Room 402, NIDDK, NIH, Bethesda, MD 20892.

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The National Institute on Aging Scientific Review Administrator

The National Institute on Aging, National Institutes of Health, is seeking a **Scientific Review Administrator** to conduct reviews of grant applications in areas of science of importance to aging (GS 601/602 - 13/14, \$60,890 to \$93,537).

Applications are invited from candidates with demonstrated strong scientific, administrative and communication skills. Broad knowledge of principles, theories and practices related to the scientific fields of contemporary science is expected. Experience with peer review of health research grant applications is desirable.

U.S. citizenship is required. Application requirements are listed in the announcement #NIA-00-932. Please visit our web site to find the announcement. <http://www.nih.gov/nia/about/jobs.htm>. For a faxed copy of the announcement, telephone (301) 496-5460. For questions, contact Marian Patten at (301) 496-5347. All applications must be postmarked or e-mailed by September 27, 2000

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Psychiatric Genomics, Inc.

Cutting-edge biotechnology company researching causes of CNS disorders is currently seeking qualified candidates for the following positions:

Director — Gene Discovery

We have an exciting opening for a Ph.D. scientist to take a leadership position in our gene discovery program. We are looking for a world-class scientist with vision and experience to direct gene discovery efforts to identify gene targets that are associated with mental illness and then design research strategies to identify novel therapeutic agents. Demonstrated leadership in neurobiology, molecular genetics or genome-based drug discovery is required. Experience building top-notch teams ready to embrace the very best technology for gene discovery is essential. The ideal candidate will have several years of leadership experience in a biotechnology or pharmaceutical company or will have reached a senior level position in an academic institution. Significant publications and frequent invitations to present ideas and results would be expected of a suitable candidate. Job Code Sc-D/GD-01

Scientist — Molecular & Cell Biology, Neurobiology

A Ph.D. and postdoctoral experience in the molecular biology of the nervous system are essential to developing programs to find new drug targets for CNS disorders. If you are a molecular biologist, cell biologist, neuropharmacologist or neurobiologist with considerable experience in studying the mammalian nervous system we have an exciting opportunity. Experience with molecular biological manipulations of neural stem cells, primary cultures of the nervous system and or transformed nervous system cells and assay development for drug discovery programs would be valuable. Job Code Sc-SS/MCB-01

Scientist — Micro-Array Technologies

A Ph.D. and experience in using micro-array technologies for gene discovery and/or high throughput drug screening are essential qualifications. Experience in working with the mammalian nervous system and cell culture would be an advantage. Evidence of hands-on experience in a world-class research group and significant publications are required. Job Code Sc-SS-MAT-01

Scientist — High Throughput Screening

We have an exciting opportunity for a scientist with experience in developing and implementing high throughput screens for CNS targets within the discovery group. Responsibility includes programming workstations and other automated equipment as well as developing procedures and protocols for data analysis. Extensive knowledge in high throughput screening is a must. Good general knowledge of screening technologies is required (SPA, HTRF, FRET, ELISA, chemi-luminescence and intracellular calcium measurement) and their applicability to CNS targets is desirable. Experience with high throughput workstations and automated systems in 384 and 1536 well format, and ActivityBase and Spotfire software would be an asset. Job Code Sc-S/HTS-01

Scientist — Assay Development

A Ph.D. and experience in developing assays for CNS targets identified within the company's genomics target discovery group. You will work closely with the genomics, tissue culture and neural stem cell groups to select the appropriate detection technologies and the transfer of the assays in a high throughput ready format to the HTS group. The candidate will have strong fundamental knowledge and technical skills in cell biology, biochemistry and assay development. A good knowledge of cell based assays and intracellular signaling mechanisms would be an asset. Job Code Sc-S/AD-01

The candidates should have good supervisory, written and oral communication skills, as the positions require the ability to function well in a team environment. Please send your Curriculum Vitae or resumé indicating the specific position applied for to: **Martha Dunning, Psychiatric Genomics, Inc., 12111 Parklawn Drive, Suite 202, Rockville, MD 20852 FAX: (301) 770-1205 Email mxdunning@hotmail.com**. We welcome diversity and encourage applications from all qualified individuals.

Assistant Director for Research Maryland Sea Grant College Program

Maryland Sea Grant College Program (MDSG), a University-based partnership with NOAA, seeks an Assistant Director for Research (ADR) to participate in all aspects of planning, development, and management of the MDSG program, a component of the University of Maryland Center for Environmental Science. For additional information refer to www.mdsug.umd.edu.

The ADR plays a central role in the oversight and performance of MDSG's research program. This individual serves on various advisory committees and interacts on a regular basis with the research community, administrators of relevant research institutions, various state agencies, and federal sponsors. The Assistant Director will be expected to provide guidance and leadership on scientific research issues to MDSG and be a strong liaison to the program's partners. Duties include all pre- and post-award activities pertaining to federal agency grants such as: the solicitation, review, evaluation, selection and monitoring of research projects. The ADR will be an integral part of a team that contributes to the synthesis and presentation of results of supported research to various audiences, and will link closely to related educational and outreach functions of MDSG. Other responsibilities include the coordination and oversight of the Sea Grant Research Fellows program and other educational activities.

The successful candidate must have an advanced degree in the marine sciences or related field with preference given to those with an earned doctorate and demonstrated capabilities in the management and performance of multidisciplinary academic programs. Several years of experience in research, research administration or related areas are required. Superior oral and written communications and interpersonal skills are essential. A working knowledge of proposal peer review procedures and grants management practices is also highly desirable. This is an exempt staff, full-time, 12-month appointment.

Please submit a letter of application noting specific qualifications for the requirements of the position, current curriculum vitae, and names, addresses, and telephone numbers of four professional references to: **Ms. Susan J. Leet (leet@mdsg.umd.edu), Maryland Sea Grant, Room 0112 Skinner, College Park, Maryland 20742** For full consideration, complete application materials must be received by **September 20, 2000**. However, the position will remain open and candidates will be considered until the position is filled.

An Equal Opportunity/Affirmative Action Employer.

Chair, Biochemistry and Molecular Biology The Medical College of Georgia



MCG is seeking a prominent biochemist/molecular biologist who is a creative and collaborative individual with a strong sense of scientific values and community. The ideal candidate would have a Ph.D., M.D., or M.D./Ph.D. degree in a relevant field, an internationally recognized research program, with a sustained record of extramural funding. The Chair will provide intellectual leadership and direction for the department, interact with other departments on campus and maintain strong research and educational programs. Cutting-edge research facilities exist within the department and elsewhere on the MCG campus including cell imaging, transgenic analysis, gene chip, and primate centers (see <http://www.mcg.edu/research/corefac.htm>). Substantial resources are available for development of the department and recruitment of additional faculty. The department has a Ph.D. and M.D./Ph.D. program. Both programs draw from a pool of outstanding candidates. Regular and adjunct faculty have combined multi-million dollar yearly extramural support.

Priority will be given to a candidate who will bring innovative approaches to one of MCG's targeted scientific areas which include, among others, developmental biology, neuroscience, gene regulation, epithelial cell biology, cardiovascular biology, cancer biology, sickle cell disease and hematopoiesis, and vision research.

Augusta is the second largest metropolitan area in Georgia. Augusta offers a blend of big-city and small-town life styles, with access to a variety of cultural and recreational opportunities, including classical architecture, the Augusta Canal heritage area, the Augusta Arts Council, and the Masters Golf Tournament.

Applicants should send a letter of application with complete curriculum vitae to: **Jeffrey L. Rausch, M.D., Chair, Biochemistry and Molecular Biology Search Committee, 1515 Pope Ave., Augusta, Georgia 30912**. Review of applications will begin on October 1, 2000. *The Medical College of Georgia is an Affirmative Action/Equal Opportunity Employer. Qualified women, minorities, or persons with disabilities are encouraged to apply.*



**MAYO CLINIC
MAYO CANCER CENTER
AND
GASTROENTEROLOGY
RESEARCH UNIT**

Postdoctoral positions in Pancreatic Development and Pancreatic Cancer are immediately available for outstanding individuals to participate in an intensive collaborative effort among cell biologists, biochemists, molecular biologists, and structural biologists to understand molecular mechanism underlying the control of pancreatic cell morphogenesis and its alterations during pancreatic cancer development. Projects will use *in vitro* studies, transgenic and knock out animal models for pancreatic morphogenesis and transformation as well as molecular studies using human pancreatic cancer tissue. The research environment at the GI Research Unit and Mayo Cancer Center offers an excellent opportunity for training and career development in basic science linked to a unique clinical setting for disease-oriented translational research. Strong experience in biochemistry, molecular, and/or structural biology is required.

Specific projects include:

1. Role of pancreatic transcription factors in gene expression, morphogenesis, and neoplastic transformation.
2. Structural biology and molecular modeling approaches for characterizing the DNA binding and transcriptional repressor activities of novel Sp1-like transcription factors.
3. Animal models for molecular studies on pancreatic development and cancer.
4. Expression and mutational profiling of pre-neoplastic lesions in human pancreatic cancer.

Please forward a curriculum vitae, a description of research experience and three references to:

Raul Urrutia, M.D.
GI Research Unit, Alfred 2-435
Mayo Clinic
200 First Street SW
Rochester, MN 55905
Fax: 507-255-6318
E-mail: urrutia.raul@mayo.edu

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Aventis Gencell



Aventis Gencell, a division of Aventis Pharmaceuticals, leads the Aventis Pharma scientific research & development on gene therapeutic approaches to treating cancer. The following positions are currently available in our Tox-Path Group at our Hayward, CA and Vitry, France locations. The mission of the Tox-Path Group is to create a new worldwide safety function completely dedicated to Gene Therapy Projects to establish internal guidelines in relationship with the Regulatory Agencies.

**Worldwide Head of Toxicology-Pathology Group,
Hayward, CA and Vitry, France**

This position requires a Ph.D. in Toxicology or Immunology, board certification from the American Board of Toxicology and a minimum of 5 years of post doctoral experience in drug development in the pharmaceutical industry or biotechnology company; research experience in molecular biology or immunology. Must also possess experience in regulatory toxicology, strong track record of moving novel research strategies & approaches for safety studies in animal models, excellent people skills, strong communication & presentation skills and a high level of motivation & innovative skills, as well as leadership & driver capabilities. Experience beyond the scientific/drug safety arena, including regulatory agencies is desirable. Competencies in Gene Therapy or Recombinant Protein Projects also desirable. **Job Code: WHTPG**

**Pathologist for Cardiovascular Projects, Vitry, France
Pathologist for Oncology Projects, Hayward, CA**

Successful candidates will be MVD Experimental Board Certified Pathologists with a minimum of 5 years of research experience in drug development in the pharmaceutical industry or biotechnology company. Positions require research experience in molecular histopathology, experience in regulatory pathology and GLP reports, strong communication & presentation skills, and high level of motivation in research & innovative skills. Strong track record of moving novel research strategies & approaches for safety studies in animal models required. Competencies in Gene Therapy or Recombinant Protein Projects desirable. **Job Code: PCP/OP**

Excellent benefits, salary and relocation, if applicable. Forward C.V. indicating Job Code, with references, to:

Human Resources
3825 Bay Center Place
Hayward, CA 94545
fax: 510-266-5019
e-mail: rhodora.cruz@aventis.com

EOE



UNIVERSITY OF MICHIGAN BIOLOGICAL SCIENCES SCHOLARS PROGRAM

The University of Michigan Medical School announces the continuation of the Biological Sciences Scholars Program to enhance investigational strength in the life sciences at the University of Michigan.

Now entering its fourth year, this program led to the recruitment of outstanding young scientists in the areas of genetics, microbiology, virology, structural biology, and biochemistry. Individuals recruited will have the following qualifications: PhD, MD, or MD/PhD degrees; two years postdoctoral experience; and evidence of superlative scientific accomplishment and scholarly promise. Successful candidates will be expected to establish a vigorous, externally funded research program and to become leaders in departmental and program activities, including teaching at the medical, graduate, and/or undergraduate levels. Primary college and department affiliation and rank will be determined by the applicant's qualifications. Preference will be given to appointments at the Assistant or Associate Professor levels.

Applicants should send their current curriculum vitae (including bibliography), three letters of support, and a two- to four-page summary of their current research program and future research plans to address below. Applications will be considered on a rolling basis, however candidates are strongly encouraged to submit their applications by November 15, 2000.

Michael A. Marletta, PhD
c/o Office of Research and Graduate Studies
University of Michigan Medical School
4107 Medical Science Building I
Ann Arbor, MI 48109-0624

The University of Michigan Medical School is an Affirmative Action/Equal Opportunity Employer.

Cardiovascular Disease Research Program Meharry Medical College

Meharry Medical College has four NIH-supported, tenure-track, faculty positions available for the development of a research program in cardiovascular disease. This program is supported by the National Center for Research Resources (NCRR) of the NIH through the Research Centers in Minority Institutions (RCMI) program. Faculty appointments will be made in both clinical and basic science departments in the School of Dentistry and the School of Medicine. Opportunities for collaboration with scientists at Vanderbilt University will be encouraged through the Meharry-Vanderbilt Alliance. Competitive start-up packages will be available with start-up funding for salary, equipment, supplies, technical support, and travel. A strong graduate program is available for the training of Ph.D. and M.D./Ph.D. students.

This cardiovascular disease focus of the RCMI program at Meharry Medical College has developed as a result of the institution's continuing commitment to eliminate diseases that disproportionately affect African Americans. Targeted faculty includes individuals working in cardiovascular disease and other areas such as sickle cell disease, diabetes, hypertension, and stroke.

Interested faculty should submit their letter of interest, statements of research and teaching interest, and the names of three references by October 1, 2000. Preference will be given to individuals with strong research backgrounds and productive postdoctoral experiences. Level of appointment will be commensurate with experience. This announcement will remain open until all positions are filled.

Please send requested information to:

George C. Hill, Ph.D.
Program Director - RCMI Program
Vice President for Sponsored Research
Meharry Medical College
Department of Microbiology
1005 D. B. Todd Blvd.
Nashville, TN 37208
(615) 327-6193- voice
(615) 327-5621- fax
gchill@mmc.edu

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Chemistry

Beckman Coulter, Inc. is a global provider of instrument systems and complementary products that simplify and automate processes in life science research and clinical diagnostic laboratories. We are seeking 2 clinical chemistry professionals for our **BREA, CA** location.

SR. SCIENTIST/CHEMIST

Will independently plan and conduct studies for development of clinical chemistry reagents. Independently investigate and perform studies to resolve clinical chemistry reagent or system issues. Perform statistical data analysis, interpret results, and make technical recommendations. Evaluate vendor materials and OEM products. Provide input to project costs and schedules. Position requires focused urgency and customer focus skills; good technical knowhow and teamwork skills; and effective communication skills. BS in Biochemistry, Clinical Chemistry or related field with 7 years' experience, MS with 4 years' experience or PhD with 2 years' experience. Computer and statistical analysis skills. Reagent development experience preferable.

PRINCIPAL SCIENTIST

As the Team Lead, you will formulate immunoassay reagents/calibrators for Synchron Systems. Guide and direct efforts to optimize and validate assay performance on Synchron CX and LX platforms. Support transfer of the newly developed products to Manufacturing. Ensure efficient experimental design, appropriate data analysis and interpretation, and report technical conclusions. You will also participate on multi-functional teams. Must be able to work in a team environment to develop and release products and collaborate with Manufacturing to transfer products. Position requires good written and verbal communication skills and the ability to supervise junior staff. Experiment design and data analysis skills are imperative. Immunochemistry and product delivery experience is required. Requires a BS in related discipline plus 11 years' industrial experience, an MS degree with 8 years' experience or a PhD with 4 years' experience.

Qualified candidates should send resumes via email to: breahr@beckman.com; Fax (714) 961-4113; or mail to Beckman Coulter, Inc., 200 S. Kraemer Boulevard, P.O. Box 8000, Brea, CA 92822-8000. Visit our website at www.beckmancoulter.com



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Employment opportunities in West Point, PA

Enhancing and preserving the quality of life. This is the commitment that Merck & Co., Inc., stands on and it's what has distinguished us as the world's leading research-driven health products company. Recently ranked by Fortune among "America's Most Admired Companies," we discover, develop and manufacture a wide range of innovative products. We currently have exceptional career opportunities available at our **West Point, PA** facility located only 25 miles NW of Philadelphia.

Ph.D./M.D. Scientists

Age-related macular degeneration/Diabetic retinopathy/Glaucoma

We are seeking Ph.D./M.D. cell biologists and in vivo pharmacologists/physiologists with a minimum of 2-4 years' postdoctoral or industrial research experience to join a multidisciplinary team studying basic mechanisms of and therapeutic approaches to age-related macular degeneration, diabetic retinopathy, and neuroprotection in glaucoma. Leadership and demonstrated experience in cell biology of the retina and the development of in vitro assays and in vivo animal models relevant to these disease states are highly desired. **PAF Code: XHXMRSMKH08180**

Manager of Pharmaceutical Project Coordination

Under the supervision of the Director of Pharmaceutical Project Coordination, the Manager will act as a liaison between Merck's Worldwide PR&D group and Banyu Pharmaceutical PR&D in Japan. You will consider all aspects of product registration in Japan to enhance the proficiency and growth of Banyu's programs. New programs will entail planning from pre-RMC through Phase III and should encompass all coordination with Clinical Research, Regulatory Affairs Liaison, Safety Assessment, Manufacturing, Process Research and other areas. You will also represent Banyu and MRL-PR&D on MRL project teams and provide technical input to programs under development by Banyu.

Requirements include a Ph.D or equivalent experience in pharmaceutical or chemical sciences, or a B.S. in pharmaceutical science/chemistry with an advanced management degree or MBA. At least 10 years' experience in product or process development of pharmaceutical dosage forms and/or API's is imperative, along with additional experience in drug registration including knowledge of Japanese regulatory requirements. You must possess demonstrated achievement in program/project management. Candidates must also have excellent oral and written communication skills coupled with the ability to create systems supported by strategic vision and tactics. Speaking ability in Japanese is highly desirable. **PAF Code: XHXMDSMML81800**

We offer an excellent salary and comprehensive benefits program, including tuition reimbursement and one of the best 401(k) plans in the nation, as well as opportunities for personal growth. Please submit your resume, official transcript, the names of 3 references, and a cover letter indicating salary requirements and your position of interest, to: **Merck Positions, P.O. Box 92164, Los Angeles, CA 90009-2164. E-mail: merck@resume.isearch.com Fax: (310) 337-3393. Please include PAF code in your correspondence.** Only candidates considered for interviews will receive responses. No phone or agency calls please. We are an Equal Opportunity Employer, M/F/D/V.



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FACULTY POSITION IN BIOCHEMISTRY

The Ohio State University

The Department of Biochemistry at The Ohio State University invites applications for a **Tenure-Track Faculty Position**, preferably at the Assistant Professor level as part of a new initiative to develop excellence in structural biochemistry. Macromolecular structure/function and interactions, enzymology, protein folding, and structural genomics/proteomics are themes that will be built upon to complement the current research interests of our faculty (see <http://biochem.ohio-state.edu/>). All highly qualified candidates will receive consideration, but preference will be given at this time to those with research interests primarily within the areas of mechanistic enzymology and structure/function relationships in proteins, and that utilize state-of-the-art molecular biological, biochemical, and biophysical approaches.

The candidate should have a Ph.D. degree or its equivalent and at least two years of postdoctoral experience as well as an excellent record of research accomplishments, a commitment to developing an independent and creative research program supported with extramural funds, and skills in teaching at both graduate and undergraduate levels.

Please send a curriculum vitae together with a description of research accomplishments, future plans, and interests. Candidates should also arrange for three letters of recommendation to be sent to the department. Review of applications will begin October 1, 2000 and continue until the position is filled. Send application materials and correspondence to:

**Faculty Search Committee
Department of Biochemistry
The Ohio State University
484 West 12th Avenue
Columbus, OH 43210**

OSU is an Equal Opportunity/Affirmative Action Employer



Purdue University Department of Biomedical Engineering is inviting applications for Assistant and Associate Professor tenure-track faculty positions. This newly formed department represents a major investment by Purdue in this growing field at the interface between engineering and life/medical sciences. Candidates must have a Ph.D. degree and a strong background in biomedical engineering that includes considerable depth in both engineering and biology. We are seeking highly qualified, creative individuals with research interests in implantable devices, tissue engineering, biomaterials, nanobiotechnology or other related areas focusing on engineering and science occurring at a cellular or molecular level. The department currently grants master and doctoral degrees. New faculty will have the opportunity to collaborate with numerous faculty involved in biomedical research in the Purdue Schools of Engineering, Science and Veterinary Medicine, and Indiana University Schools of Medicine and Dentistry. Interdisciplinary biomedical engineering efforts are currently supported through a Special Opportunities Award from the Whitaker Foundation and an Integrative Graduate Education and Research Training (IGERT) award from the National Science Foundation. In addition, new faculty will be expected to teach graduate level biomedical engineering courses, develop a strong (externally funded) research program, and help foster departmental growth. Applicants should submit a detailed resume, a description of teaching and research plans, copies of selected publications and a list of four professional references to **Professor George R. Wodicka, Head, Department of Biomedical Engineering, 1296 Potter Engineering Building, Purdue University, West Lafayette, Indiana, 47907-1296**. Screening of candidates will begin October 1, 2000 and will continue until the positions are filled.

*Qualified women and minority candidates are encouraged to apply.
Purdue University is an equal opportunity/affirmative action employer.*

BBI Biotech, the research and development division and a wholly owned subsidiary of Boston Biomedica, Inc., is a growing biotechnology company located in Gaithersburg, MD. BBI Biotech, in addition to its R&D efforts in support of the quality control products produced by its parent, is a leading supplier of contract and service support for government and private industry. With a long and reputable history in infectious disease research, BBI Biotech is on the cutting edge of Cellular and Molecular Biology. Our major focus is the development of innovative diagnostic tests and reagents for infectious disease.

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BBI

Project Scientist, Molecular Biology

Ph.D. in Molecular Biology or related field with at least 3 years post-doctoral experience, preferably in a management role. The successful candidate will be responsible for managing and coordinating research and service activities including design of PCR assays and detection formats for infectious diseases, nucleic acid analysis of clinical specimens, and viral and bacterial DNA sequence analysis. Excellent understanding of the principles, techniques and application of molecular methods in human infectious and genetic diseases is a must. Excellent communication and team building skills required. Job Code: MB

Project Scientist, Cell Biology

Ph.D. in Cell Biology or related field, with minimum of 3 years government contract or industry experience past post-doctoral training. Prior experience with Clinical Trial Specimen Processing and Evaluation preferred. Scientific expertise required in fresh blood processing for the isolation and preservation of all types of cells and blood components. In addition, expertise in apoptosis, virus neutralization, CTL, EBV-transformation and repository operations beneficial. Strong management skills needed to head-up this growing Clinical Trials group. Must have proven track record in contract and grant management and funding. Excellent written and verbal skills are a must. Job Code: CB

We offer excellent compensation, benefits and working environment. Please send letter of interest and resume, referencing job code, to the address below:

BBI BIOTECH RESEARCH LABORATORIES, INC.
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GLOBAL OPPORTUNITIES

IRRI

International Rice Research Institute

Position Announcement for Molecular Geneticist/Molecular Taxonomist

The International Rice Research Institute (IRRI) is seeking a Molecular Geneticist/Molecular Taxonomist as a member of its staff in the Genetic Resources Center. The incumbent will apply molecular biological methods to study and manage the diversity of the germplasm conserved and held in trust in the International Rice Genebank and will be expected to add value to the Genebank collection by:

- studying the diversity and relationships of wild and cultivated rice species, and developing strategies for locating useful alleles using molecular approaches;
- characterizing germplasm for useful alleles, and identifying loci with influence on agronomic traits through allele mining and comparative genetics.

The appointee will also contribute to research on *in situ* conservation of wild rice, on-farm management of landrace varieties, and assessing the potential impact of transgene outcrossing to wild and weedy rice.

Candidates should have a Ph.D. in botany, genetics, or crop science with specialization in molecular genetics, molecular taxonomy, or molecular ecology; and a minimum of 3 years of postdoctoral experience. The position is based at IRRI Headquarters, Los Baños, Philippines. Salary and benefits are internationally competitive. IRRI offers children's education allowances, medical insurance, and other attractive benefits. The Institute provides a gender-sensitive work environment and particularly welcomes women applicants. Interested candidates can learn more about IRRI by visiting its Web site at <http://www.cgiar.org/irri>.

Send comprehensive curriculum vitae, and the names, addresses, telephone and fax numbers, and e-mail addresses of three referees to: Dr. Michael Cohen, **Chair, Search Committee, IRRI, MCPO Box 3127, Makati City 1271, Philippines**, Fax: (63-2) 891-1292 or 845-0606; E-mail: m.cohen@cgiar.org.

Screening of applications will begin on **31 October 2000**, and will continue until a suitable candidate is identified. Please refer to code: **IR00-MGT-02**.



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To continue to meet the demands of our success, we have outstanding opportunities in the following areas:

INFECTIOUS DISEASE OPPORTUNITIES

Research Associate/ Associate Scientist

(Job Code # 11962)

We are seeking a highly motivated professional for our Bacterial Genomics Department with a B.S. or M.S. in Biology and 0-5 years of experience. A strong background in molecular biology and *in vivo* animal models is required. Experience in assay development and high throughput screening is a plus. To be considered for this position, please reference **job code #11962**.

Research Associate/ Associate Scientist

(Job Code # 91753)

We have a position available in our Molecular Virology Department to support our antiviral research. Candidates must have a B.S. or M.S. in Biology with several years of relevant experience. Essential skills include a working knowledge of molecular biology and biochemistry techniques. Experience in tissue culture, assay development and drug discovery methodologies would be beneficial. To be considered for this position, please reference **job code #91753**

Please send your resume to:

**Human Resources, RWJPRI
3210 Merryfield Row
San Diego, CA 92121
E-mail: priljhr@prius.jnj.com**

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POSITIONS OPEN

FACULTY POSITIONS DEPARTMENT OF MICROBIOLOGY IMMUNOLOGY University of Western Ontario

Immunology: The Department of Microbiology and Immunology invites applications for a tenure-track faculty position in immunology. The position is open to **INVESTIGATORS** in any area of molecular or cellular immunology. The successful candidate will have an M.D. and/or Ph.D. degree and an excellent record of publications. The appointee will be expected to contribute to the research and the teaching mission of the Department at both the graduate and undergraduate levels in the faculties of medicine and dentistry and science. For more details of the faculty and research and teaching activity of the Department, see our **website: www2.mni.uwo.ca**.

Applications must include full curriculum vitae and outline of a proposed research program and names of three references. Applications should be sent by December 1, 2000, to: **Chair, Department of Microbiology and Immunology, University of Western Ontario N6A 5C1 Canada. E-mail: bsingh@julian.uwo.ca; FAX: 519-661-3499.**

NSERC Women's University Faculty Award: The Department of Microbiology and Immunology invites applications from women eligible for a National Science and Engineering Research Council of Canada (NSERC) University Faculty Award (UFA). The selected nominee will be required to submit an application to NSERC for the UFA competition by November 1, 2000. The successful candidate will be appointed to a tenure-track position beginning July 1, 2001, at the rank of **ASSISTANT PROFESSOR**. *These awards are made to women only. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents.* For more information, see the NSERC **website: www.nserc.ca/programs/sf/UFA_e.htm** and the Departmental **website: www2.mni.uwo.ca**.

Candidates must have recent Doctorate and at least two years of postdoctoral experience and a proven record of research productivity. The appointee will contribute to the research and the teaching mission of the Department.

Applications must include full curriculum vitae, copies of three recent publications, an outline of a proposed research program and teaching goals, and three confidential letters of recommendation sent under cover by candidate's references. These documents must be sent by September 30, 2000, to: **Chair, Department of Microbiology and Immunology, University of Western Ontario N6A 5C1 Canada. E-mail: bsingh@julian.uwo.ca; FAX: 519-661-3499.**

Positions are subject to budget approval. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. The University of Western Ontario is committed to Employment Equity and welcomes diversity in the workplace. Applications are encouraged from all qualified individuals including women, members of visible minorities, aboriginal persons, and persons with disabilities.

CHEMICAL AND STRUCTURAL BIOLOGY THE UNIVERSITY OF MICHIGAN

The Department of Chemistry and the Biophysics Research Division are seeking to fill an anticipated tenure-track position in the area of chemical and structural biology to begin September 2001 (pending final approval). We are looking for outstanding **JUNIOR SCIENTISTS** who use modern high-resolution structural approaches to study the function of important biological problems. Candidates with interests in membrane proteins, glycobiology, or nucleic acids and nucleoprotein complexes are especially encouraged to apply. Applicants should send curriculum vitae, research statement, and letters from three references to: **Professor Joseph P. Marino, Chairman, Department of Chemistry, The University of Michigan, Ann Arbor, MI 48109-1055.** Completed applications will be reviewed as soon as they arrive. *The University of Michigan is a nondiscriminatory Affirmative Action Employer.*

POSITIONS OPEN



CHAIR DEPARTMENT OF CHEMISTRY LOUISIANA STATE UNIVERSITY

We seek a Chair with an exemplary publication record; sustained federal funding; and a commitment to research, education, and outreach. Candidates in any area of chemistry with proven leadership; strong interpersonal skills; and qualifications commensurate with a tenured appointment, preferably at the rank of **FULL PROFESSOR**, will be considered. Competitive salary and research support packages are available. The Chemistry Department was recently selected as one of only 12 departments at Louisiana State University for significant enhancement funding. Chemistry is a major academic unit on campus, with 27 tenure-track faculty, 120 graduate students, and over \$4 million per year in external funding. The Department is organized into five interest areas: analytical, inorganic, macromolecular, organic, and physical chemistry, with significant cross-discipline emphasis in materials science, environmental chemistry, and biological chemistry. Long-range hiring plans include 10 to 15 tenure-track faculty within the next five years.

LSU has Carnegie Research I status and is located in an area with a unique cultural heritage. For more information, visit our **website: <http://www.chem.lsu.edu>**. Evaluations of applications will begin on October 16, 2000, and will continue until a candidate is selected. Nominations or applications, which should include curriculum vitae; statement of research interests; administrative philosophy; teaching philosophy; and three letters of recommendation (stressing evidence of leadership, interpersonal skills, and administrative experience), should be sent to:

**Professor William H. Daly
Chair of Search Committee
College of Basic Sciences
Louisiana State University
Reference: Log Number 0153
Baton Rouge, LA 70803
E-mail: bill.daly@chem.lsu.edu**

LSU is an Equal Opportunity/Equal Access Employer.

MEDICAL EDUCATION SPECIALIST MERCK & CO., INC.

Merck has an immediate opportunity for a Ph.D. as a Medical Education Specialist at our facility in West Point, Pennsylvania. This highly visible position offers the opportunity to develop and write medical education materials for disease areas of osteoporosis and arthritis, provide product information to health care providers, and assist in training sales personnel. We are seeking talented professionals possessing a Ph.D. and exceptional written and verbal communication, interpersonal, and presentation skills combined with computer and project management skills.

We offer a very competitive salary, a full range of benefits, an exceptional career path, and the opportunity to work with an industry leader. Please send curriculum vitae and salary requirements to: **Med Ed, Merck & Co., Inc., P.O. Box 4, WP39-130, West Point, PA 19486. FAX: 215-652-8538; e-mail: Medical_Services4@merck.com.** *Equal Opportunity Employer/Minorities/Females/Disabled/Veterans.*

POSTDOCTORAL POSITIONS are available to study the molecular and cellular mechanism of angiotensin II receptor regulation and function. Experience in receptor signaling and molecular biology is desirable. Send curriculum vitae and names of three references to: **Dr. Thomas Thekkumkara, Department of Pharmaceutical Sciences, Texas Tech University Health Sciences Center, 1300 Coulter Drive, Amarillo, TX 79106. E-mail: thekkumt@cortex.ama.ttuhsu.edu.** *Texas Tech University Health Science Center is an Equal Opportunity/Affirmative Action Institution.*

POSITIONS OPEN

ASSISTANT PROFESSORS IN BIOLOGICAL SCIENCES CLEMSON UNIVERSITY

The Department of Biological Sciences at Clemson University invites applications for two tenure-track positions at the **ASSISTANT PROFESSOR** level. We are seeking broadly educated Biologists whose research is based on a fundamental interest in integrative, comparative, or evolutionary biology and who can interact with other faculty in a Department that emphasizes these approaches. We are especially interested in individuals with the potential to establish a research program of national distinction and be inspiring teachers. Postdoctoral experience is preferred.

Position I. Evolutionary Biologist. Primary teaching responsibility will be an undergraduate course for majors in evolutionary biology and graduate courses in one's specialty. The specific research field is open.

Position II. Vertebrate Biologist. Primary teaching responsibility will be an undergraduate majors course in comparative vertebrate anatomy or vertebrate biology and graduate course(s) in one's specialty. The specific research field is open.

Applicants should submit a résumé, a statement of current and planned research, a statement of teaching interests and philosophy, and the names of three individuals who can supply letters of recommendation. Applications should be sent to: **Sheryl Banks, Search Committee, Department of Biological Sciences, Clemson University, 132 Long Hall, Clemson, SC 29634-0326.** Electronic applications may be sent to **e-mail: sherylb@clemson.edu**. (Include Search Committee on the subject line. Attachments should be compatible with WinWord 2000.) Review of applications begins September 30, 2000; however, applications will be accepted until the positions are filled. Information about the research interests of the faculty and Departmental resources may be obtained at the Department's **website: <http://cufp.clemson.edu/biosci>**.

Clemson University is an Equal Employment Opportunity/Affirmative Action Employer. Women and minority candidates are especially encouraged to apply.

DIRECTOR OF UNDERGRADUATE PHARMACOLOGY PROGRAM

The Department of Pharmacological Sciences at the University of Stony Brook seeks a qualified individual to direct the undergraduate pharmacology major. As one of only three such programs in the United States, this premier program draws top-ranking students who pursue careers in the pharmaceutical and biotechnology industries, health sciences, and environmental sciences, or who plan to enter graduate programs in pharmacology and related fields. The program has strong industrial support as well as ongoing grant support from American Society for Pharmacology and Experimental Therapeutics.

The Program Director is responsible for all aspects of the program including organizing a general pharmacology course, team taught by medical school faculty; supervision of a laboratory course and laboratory assistant; and coordination of student internships with laboratories in the industrial/biotechnology sector and a student exchange program with universities in the United States and Europe. Candidates should have a Ph.D. or M.D. or M.S. in pharmacology/physiology or a related discipline, a commitment to education with evidence of teaching excellence, and sophisticated communication skills to facilitate industrial interactions. The candidate will be expected to expand the existing industrial relations program. This is a nontenure-track faculty position.

We offer an attractive benefits package and a pleasant living environment on the north shore of Long Island. Salary (range \$50,000 to \$65,000) will be commensurate with experience. Visit the program **website: <http://www.pharm.sunysb.edu>**.

Send a letter of interest, curriculum vitae, and names of three references to: **Janice Kito, Department of Pharmacological Sciences, University at Stony Brook, Stony Brook, NY 11794-8651.** *Affirmative Action/Equal Opportunity Employer.*



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POSTDOCTORAL POSITION

MOLECULAR HEMATOPOIESIS

Applications are invited for a funded position to dissect and analyze the transcriptional regulation of myelopoiesis and the induction of myeloid leukemia. Current investigations focus on the functional interactions of transcription factor proteins regulating myeloid cell differentiation. Specific projects include: characterizing functional interactions of the c-Myb and c-Maf transcription factors and the role of these interactions in regulating early myeloid gene transcription (MCB 18:2729-2737, 1998; Mol Cell Biol 19:5601-5607, 1999; Blood 94:1578-1589, 1999); determining the mechanisms of c-Maf induced monocytic differentiation; and isolating novel genes encoding accessory proteins responsible for the developmentally regulated interaction of c-Myb and c-Maf in human myeloid cells. An individual is needed to work on all aspects of these projects involving transgenic and knockout mouse models, retroviral expression and *in vitro* differentiation assays, and cellular and molecular genetic analyses. Support facilities at this institution are exceptional; the research environment is highly interactive, both within the Research Hospital and at the nearby UT Medical School. Motivated candidates possessing a Ph.D. and/or M.D. with a strong background in molecular biology, biochemistry, or related fields should forward your CV, selected reprints, a statement of research interests and goals, and the names, addresses, and phone numbers of three references to:

Linda H. Shapiro, Ph.D.
Department of Pathology
St. Jude Children's Research Hospital
332 North Lauderdale
Memphis, TN 38105
E-mail: linda.shapiro@stjude.org
<http://www.stjude.org/departments>

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POSITIONS OPEN

RESEARCH FACULTY POSITION

The Department of Psychiatry and Behavioral Sciences at the University of Texas Medical Branch (UTMB-Galveston) seeks outstanding candidate for a full-time, tenure-track Ph.D. faculty position at the **ASSISTANT/ASSOCIATE PROFESSOR** level. Candidates with an extramurally funded research program in neuroendocrinology who are able to bridge ongoing basic and clinical research in the Department are particularly encouraged to apply. A competitive start-up package, salary commensurate with experience, and newly renovated space are available. The University has a broad range of expanding biomedical research programs with an emphasis in neuroscience. A secondary appointment in an appropriate basic science department graduate program may also be available.

For full consideration for this position, candidates with interest and skills in this area should send curriculum vitae and cover letter by October 16, 2000, including names of three individuals willing to provide letters of recommendation, to: **Eric M. Smith, Ph.D., Chair, Search Committee, University of Texas Medical Branch, Department of Psychiatry and Behavioral Sciences, Route 0431, Galveston, TX 77555-0431.** Review of applications will continue until position is filled.

The University of Texas Medical Branch is an Equal Opportunity/Affirmative Action Employer; Minority/Female/Disabled/Veteran.

ASSISTANT PROFESSOR or ASSOCIATE PROFESSOR: The Department of Microbiology and Immunology, The Pennsylvania State University College of Medicine at Hershey invites applications for tenure-track faculty positions from outstanding candidates with interests in immunology. We are especially seeking individuals who use molecular and cellular approaches to better understand the immune response. Candidates at the Assistant or Associate Professor level will be considered. All applicants must have a Ph.D. and/or M.D. degree, postdoctoral research experience, and a strong record of research accomplishments. Excellent research facilities, strong departmental and interdepartmental graduate student training programs, outstanding institutional core facilities, as well as intercampus and intercollege research interactions, all contribute to the productive research environment within the Department. Participation in the Department's graduate and medical student teaching programs is expected. Applicants should send their curriculum vitae, a statement of research interests, and the names of three references to: **Chair, Immunology Search Committee, Department of Microbiology and Immunology, Position Number S-8386, Pennsylvania State University College of Medicine, H107, 500 University Drive, Hershey, PA 17033.** *Affirmative Action/Equal Opportunity Employer.*

FACULTY POSITION IN BIOCHEMISTRY AND MOLECULAR BIOLOGY THE UNIVERSITY OF CHICAGO

The Department of Biochemistry and Molecular Biology at the University of Chicago invites applications and nominations for a **TENURE-TRACK POSITION**. We seek candidates at any rank who have outstanding emergent programs that draw upon both biological and physical sciences to address fundamental problems in biology. In this regard, the University has just established an Interdivisional Research Institute at this interface that will provide a strong base for such research. Teaching is expected of all faculty. Applications should include curriculum vitae, list of publications, summary of past research, plan for future research, and letters of reference from at least three individuals who know the candidate's work well. Please submit a complete application or nomination by November 15, 2000, to: **Faculty Search Committee, Department of Biochemistry and Molecular Biology, The University of Chicago, 920 East 58th Street, Chicago, IL 60637.**

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

POSITIONS OPEN



TENURE-TRACK FACULTY POSITIONS VISION RESEARCH

The Eye Research Institute of Oakland University invites applications for two tenure-track faculty positions at the **ASSISTANT to ASSOCIATE PROFESSOR** level with the potential for dual appointment at the Department of Ophthalmology of William Beaumont Hospital. Individuals with interests in any area of eye research are encouraged to apply; the successful candidates will interact directly with an outstanding group of basic researchers, clinical retinal specialists, and ophthalmology Fellows. Salary and start-up funds are commensurate with experience and competitive with national levels. Applicants should have a strong commitment to excellence in research and are expected to develop and maintain a vigorous research program that attracts NIH funding. All applicants should submit curriculum vitae, a statement of their scientific accomplishments and future research directions, and arrange to have three letters of reference sent on their behalf to: **Professor Barry S. Winkler, Eye Research Institute, 409 Dodge Hall, Oakland University, Rochester, MI 48309-4480.** **E-mail: winkler@oakland.edu.** The committee will begin to consider applications on December 15, 2000. *Oakland University is an Affirmative Action/Equal Opportunity Employer.*

FACULTY POSITIONS STRUCTURAL BIOLOGY

JUNIOR or SENIOR POSITION. Applications are invited for a tenure-track faculty position in structural biology. Preference will be given to applicants with expertise in NMR spectroscopy applied to problems of macromolecular structure. The successful candidate must have a record of independent research, financial support, and academic productivity commensurate to academic rank. The applicant is expected to apply interdisciplinary interest in continuation of research and in the teaching of graduate and undergraduate students in courses adopted by the School of Biological Sciences. New facilities and complementary expertise in crystallography and electron microscopy (see website: <http://sgl.bls.umkc.edu>) are available as well as competitive start-up packages.

ASSISTANT PROFESSOR, STRUCTURAL BIOLOGY/PROTEOMICS. The School of Biological Sciences, as part of the expansion of its protein structural biology program, which has been selected for comprehensive development within the School, seeks investigators with outstanding potential in any aspect of molecular or cellular structural biology to complement or expand existing activities in spectroscopy (including a new NMR facility), mass spectrometry, crystallography, or microscopy. University of Missouri-Kansas City faculty, as part of the Southeast Regional Collaborative Access Team, can use the Advanced Photon Source at Argonne National Laboratory to conduct research. Excellent start-up package, competitive salary, and state-of-the-art instrumentation available. Successful candidates for this tenure-track position will participate in undergraduate- and graduate-level instruction and must have two to three years of postdoctoral experience in an appropriate field. In addition, candidates must have received graduate and preferably undergraduate instruction in an English-speaking environment (a seven-year residence in such environments will satisfy this requirement).

Evaluation of applications will begin November 3, 2000. Candidates should provide curriculum vitae; a brief statement of research interests; and the names, addresses, and telephone numbers of four references to: **Search Committee (please specify position), Office of the Dean, School of Biological Sciences, 5007 Rockhill Road, University of Missouri-Kansas City, Kansas City, MO 64110.** *An Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR OF PLANT PATHOLOGY AND DIRECTOR, Wisconsin Seed Potato Certification Program. The Department of Plant Pathology, University of Wisconsin-Madison announces the availability of a full time (12-month appointment) tenure-track faculty position at the level of **ASSISTANT PROFESSOR** beginning July 1, 2001. The selected individual will be expected to develop an outstanding research program relevant to solving potato disease problems, especially (but not necessarily limited to) viral diseases of potatoes. The position involves a 20% administrative responsibility as Director of the Wisconsin Seed Potato Certification Program. The incumbent will also be expected to participate in the undergraduate and graduate teaching programs of the Department. As Director of the Wisconsin Seed Potato Certification Program, the incumbent will play an important role in the Department's outreach programs, especially as related to potato seed production. Applicants should have a Ph.D. in plant pathology or related science. Expertise in plant virology and postdoctoral experience is highly desirable. Send résumé, transcripts, a statement of research interests, and letters from three references on or before October 15, 2000, to: **Dr. John P. Helgeson, Department of Plant Pathology, University of Wisconsin, Madison, WI 53706.** *The University of Wisconsin-Madison is an Equal Opportunity Employer and especially encourages women and minorities to apply.*

THE UNIVERSITY OF CHICAGO DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

In keeping with its strong commitment to excellence in structural biology, the Department of Biochemistry and Molecular Biology at The University of Chicago invites applications and nominations for two **TENURE-TRACK FACULTY POSITIONS** in NMR spectroscopy. We seek candidates at all levels with outstanding research programs or potential in the application of NMR to the analysis of protein structure, function, and dynamics, including protein design. Our NMR facility currently offers the services of four high-resolution Varian NMR spectrometers (400 MHz, 500 MHz, and two 600 MHz). As with all of our faculty appointments, these will be full-time (12-month) guaranteed positions; a commitment to teaching is expected. Applications should include curriculum vitae, list of publications, summary of past work, research plan, and letters of reference from at least three individuals who know the candidate's work well. Please submit completed applications and nominations by November 15, 2000, to: **Faculty Search Committee, Department of Biochemistry and Molecular Biology, The University of Chicago, 920 East 58th Street, Chicago, IL 60637.** *The University of Chicago is an Affirmative Action/Equal Opportunity Employer.*

ASSISTANT PROFESSOR/NEUROSCIENCE

Texas Woman's University is seeking applications for a tenure-track appointment in the Biology Department. Applicants must hold a Ph.D. degree and have postdoctoral experience. The successful candidate will contribute to the teaching of neurobiology and anatomy/physiology courses in undergraduate, M.S., and Ph.D. programs. Development of a funded research program is expected.

The University is state supported. Its graduate programs are enhanced through participation in the Federation of North Texas Area Universities in which neuroscience faculty from the University of North Texas closely cooperate with faculty at TWU.

Send a letter of application with a summary of research interests, curriculum vitae, and a list of at least three references to: **Dr. Fritz Schwalm, Chair, Department of Biology, P.O. Box 425799, Denton, TX 76204. Telephone: 940-898-2351. FAX: 940-898-2382; e-mail: Fschwalm@twu.edu; website: <http://www.twu.edu/as/biol>.**

Review of applications will begin after October 1, 2000, and continue until a suitable candidate has been appointed. *Texas Woman's University is an Affirmative Action/Equal Opportunity Employer.*

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MEDICAL COLLEGE OF GEORGIA School of Allied Health Sciences KELLETT Endowed Chair

The Medical College of Georgia, the Health Sciences University of the State of Georgia, is located in Augusta. The city is home of the Masters golf tournament and a short driving distance from the historical districts of Savannah, Georgia and Charleston, South Carolina. Augusta's premier location provides equal access to cultural Atlanta, scenic mountains, and the Atlantic coastline. For further information on our Institution and our School, please refer to our website (www.mcg.edu).

Applications are invited for this newly established endowed chair. The primary responsibilities are to conduct and publish interdisciplinary health care/health sciences research and encourage others to perform research; obtain internal and external funding to support research activities in the School; serve as a consultant and mentor in relevant research matters; and teach research related undergraduate and graduate courses.

Current areas of research in the School include: Movement/balance disorders; health behavior/prevention, including dental health; geriatrics; rehabilitation; pulmonary diseases; and higher education: adult learning, problem-based learning, clinical reasoning; concept mapping; instruction, evaluation and curriculum theory. In addition, areas of research within the Institution are: biomaterials-tissue interaction, cancer, cardiovascular disease, gene regulation, neuroscience, sickle cell disease and vision.

Criteria for Candidates

An earned doctorate in a basic science, human science, or allied health discipline.
Academic credentials commensurate with appointment as Associate Professor or Professor.
Demonstrated excellence as a researcher with a record of funding in the health related or social sciences.
Experience and skill at mentoring new researchers.
Excellent interpersonal skills with demonstrated ability to work well with diverse disciplines and groups.
Ability to attract financial and human resources to the School.

Salary is commensurate with experience. Submit letter of interest, resume, and three letters of reference to:

Carol Campbell, D.B.A.
Chair, Search Committee
School of Allied Health Sciences, AL-130
Medical College of Georgia
Augusta, GA 30912-0400
Phone: 706-721-3436 Fax: 706-721-6067
email: cacampbe@mail.mcg.edu



Initial screening of applicants will begin October 2, 2000, but applications will be accepted until the position is filled. *The Medical College of Georgia is an Affirmative Action Equal Opportunity Employer and complies with the Immigration and Naturalization Act of 1986.*

IMMUNOLOGY The University of California at Berkeley

The Department of Molecular and Cell Biology is seeking applications for a faculty position in the area of Immunology. Research emphasis in molecular or cellular immunology, especially, but not limited to, infectious disease immunology, signal transduction, innate immunity and cancer immunology. The appointment is to be made at the level of Assistant (tenure track) Professor. The appointee is expected to join the faculty beginning July 1, 2001 or thereafter. Ph.D. and/or M.D. scientists should have demonstrated excellence, originality, and productivity in research, as well as an interest in undergraduate and graduate education. Applications should include curriculum vitae, bibliography, a brief description of research accomplishments, a two-page statement of research objectives and teaching interest, and reprints of the three most significant publications. Arrange to have three letters of reference sent to the address below. All applications must be in our office no later than October 15, 2000.

University of California
Chair, Immunology Search, ID #302
Department of Molecular & Cell Biology
142 LSA #3200
Berkeley, CA 94720-3200

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

NIMH National Institute of Mental Health National Institutes of Health

National Institute of Mental Health
Division of Mental Disorders, Behavioral Research and AIDS (DMDBA)

Applications are being accepted for a program position in the **Division of Mental Disorders, Behavioral Research and AIDS (DMDBA)**. The DMDBA directs, plans, conducts, and supports programs of research, research training, research dissemination, and resource development in: (a) behavioral science, epidemiology, and prevention research related to developmental and adult psychopathology; and (b) the causes, prevention and treatment of HIV/AIDS. The DMDBA also analyzes and evaluates national and international needs and research opportunities related to these functions. This program position is located in the Office of the Director, Division of Mental Disorders, Behavioral Research and AIDS.

© Program Specialist for International Research (Interdisciplinary Position, GS-13/14)

The Program Specialist is primarily responsible for coordinating the international program development activities for the division's AIDS and non-AIDS research efforts. International research includes studies working with third-world and under-developed countries to provide research information upon which to design cost-effective successful interventions, and coordinating research efforts with leading domestic and international mental health and HIV/STD researchers in overseas settings. The incumbent will perform a variety of analytical, logistical, diplomatic, and coordinating duties in support of the Division's international program activities. Applications for this position will be accepted if postmarked by **September 30, 2000**, and received within 5 working days.

Applicants must qualify under the Federal qualification requirements for the Social Science Series or the General Health Science Series. GS-13/14 positions have a salary range from \$60,890 to \$93,537 per annum. Interested candidates should reference the full text vacancy announcement which is available via the World Wide Web: <http://www.nimh.nih.gov/orm/pmb/jobs.htm>. Interested candidates may contact Ms. Malca Giblin, NIMH Personnel Management Branch, at (301) 443-9094.

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POSITIONS OPEN

FACULTY POSITION in experimental physical chemistry, Boston College. Applications are invited for a tenure-track position effective September 2001. The area of the position is defined broadly to include traditional physical chemistry and chemical physics, materials science, biophysics, physical inorganic, and physical organic chemistry. The Department is housed in an award-winning research facility in Boston and includes nearly 100 doctoral students and an internationally recognized faculty. The successful applicant is expected to maintain a prominent, externally funded research program. Applicants are sought at the entry **ASSISTANT PROFESSOR** level, although outstanding applications at more senior levels are also welcome. Applicants at the beginning Assistant Professor level should send a résumé, a summary of research plans, and should arrange to have four letters of reference transmitted. Established Investigators should send a letter of application and appropriate supporting materials. All materials should be sent to: **Chair, Physical Chemistry Faculty Search, Department of Chemistry, Boston College, Chestnut Hill, MA 02467**. Only applications completed by November 1, 2000, will be considered. **Website:** <http://chemserv.bc.edu>; **FAX:** 617-552-2705. *Boston College, a university of 14 schools and colleges, is an Equal Opportunity Employer and supports Affirmative Action.*

The Section of Nephrology at the University of Chicago is seeking a Scientist with M.D. and/or Ph.D. degrees for a **TENURE-TRACK FACULTY POSITION**; academic rank will be commensurate with previous experience and accomplishments. We have developed a functional genomics facility containing the Affymetrix GeneChip® instrument system as well as complete instrumentation and expertise to produce and analyze custom-made microarrays. Our close collaboration with the Department of Computer Sciences assures relevant bioinformatics support. A tissue bank and laser capture microdissection microscopes are also present. Ongoing work in the Section is in immunopathology, although this research direction is not essential; accomplished scientists with research interests broadly related to nephrology are encouraged to apply. An attractive start-up package is available. Send curriculum vitae and names of references to: **Dr. Richard Quigg, Chief, Section of Nephrology, The University of Chicago, 5841 South Maryland, MC5100, Chicago, IL 60637**. **E-mail:** rquigg@medicine.bsd.uchicago.edu. *Affirmative Action/Equal Opportunity Employer.*

EXECUTIVE DIRECTOR Division of Atmospheric Sciences (DAS) Desert Research Institute, Reno, Nevada

The Desert Research Institute (DRI), an environmental research institution of the University and Community College System of Nevada (UCCSN), is seeking an Executive Director for its Division of Atmospheric Sciences. Reporting to the President, incumbent will promote the needs of the Division, serve as a faculty mentor and collaborator; facilitate cooperation in teaching and research with the University of Nevada, Reno; and foster relationships with current and potential sponsors to further the strategic goals of DAS and the Institute. Applications and nominations are welcome.

For a detailed position description, application procedures, and more about DRI, visit us at **website:** www.dri.edu. *DRI is an Affirmative Action/Equal Employment Opportunity Employer that hires only U.S. citizens and those authorized to work in the United States.*

POSTDOCTORAL FELLOW position available studying the role of gene regulation in CNS plasticity leading to drug addiction. Expression profiling with DNA arrays is being used to identify patterns of gene regulation operant in sensitization or self-administration. Exposure to state-of-the-art approaches in DNA arrays and bioinformatics is offered. Experience in molecular biology or neuroscience is required. Send curriculum vitae and three references to: **Michael Miles, M.D., Ph.D., Ernest Gallo Clinic and Research Center at the University of California, San Francisco, 5858 Horton Street, Suite 200, Emeryville, CA 94608**.

POSITIONS OPEN

TENURE-TRACK POSITIONS DEPARTMENT OF BIOLOGICAL CHEMISTRY University of Michigan Medical School

The Department of Biological Chemistry at the University of Michigan is soliciting applications for two or more tenure-track positions at the level of **ASSISTANT PROFESSOR**. Exceptionally strong candidates at more advanced levels will also be considered. The search committee will identify outstanding candidates in two broad areas: (1) those applying methods of structural biology and/or enzyme mechanistic studies to important biological problems and (2) those employing creative and integrative biochemical approaches to key problems in cell, molecular, and developmental biology. Such approaches could include enzymology of novel systems; identification of interactions of macromolecules with both macromolecular and small molecule targets; the use of innovative chemistries to elucidate cellular functions; the application of genomic and proteomic approaches to gene and protein expression and function; and integrated use of genetic, molecular, and biochemical methods. Successful candidates will be expected to establish a research program with an international reputation, to train doctoral students and Postdoctoral Fellows and to participate in the teaching activities of the Department. The committee will review applications beginning November 1, 2000. Applicants should submit curriculum vitae, a two-page summary of past research and proposal for future research, and reprints of two or three significant publications and should have three letters of reference forwarded to: **Dennis J. Thiele, Ph.D., Chair of the Search Committee, c/o Ms. Patricia Urban, 5413 Medical Science I, 1300 Catherine Road, Department of Biological Chemistry, University of Michigan Medical School, Ann Arbor, MI 48109-0606**. For additional information, inquiries can be made by e-mail to: patk@umich.edu. *The University is an Affirmative Action/Equal Opportunity Employer.*

ECOLOGIST: FULL PROFESSOR AND DEPARTMENT CHAIR. The interdisciplinary Department of Environmental Science and Policy at University of California, Davis, seeks an individual who will serve as Department Chair and teach and conduct research in ecology. An outstanding record of research is required. Specific area of research is open, and desirable areas of research include field ecology, community/ecosystem ecology, and physical/biological interfaces. Further information is available at **website:** <http://www.des.ucdavis.edu/chairsearch>.

Final review of applications will begin on October 16, 2000. The position will remain open until filled. Send cover letter, curriculum vitae, selected publications, and the names and addresses of three persons who will provide letters of recommendation to:

**Alan Hastings, Search Committee Chair
Department of Environmental Science and Policy
University of California
One Shields Avenue
Davis, CA U.S.A. 95616
Telephone: 530-752-8116
E-mail: amhastings@ucdavis.edu**

The University of California, Davis, is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to the achievement of diversity among its faculty and staff.

POSTDOCTORAL POSITION

Postdoctoral positions available to study the structural basis of pulmonary surfactant protein functions at the University of Cincinnati. Molecular biology (site-directed mutagenesis, insect cell expression), protein and lipid oxidation chemistry, and transgenic development and characterization experience preferred. Applicants with a Ph.D. or M.D. degree are invited to send curriculum vitae and names of three references to: **Dr. F. X. McCormack, Pulmonary and Critical Care Medicine, University of Cincinnati, P.O. Box 670564, Cincinnati, OH 45267-0564**. **E-mail:** frank.mccormack@uc.edu.

POSITIONS OPEN

ECOLOGY AND EVOLUTIONARY BIOLOGY UNIVERSITY OF ARIZONA

We plan to fill five to six positions over the next several years. Our primary interest is in candidates at the **ASSISTANT PROFESSOR** level who will establish research programs of originality and depth. Our interests include but are not limited to the following areas (given in no specific order of priority): (1) animal behavior, behavioral ecology and/or sociobiology (with possible connections to neurobiology, cognitive science, and neurocomputing); (2) evolution of development and complexity (with possible connections to major evolutionary transitions, biochemical innovation, the origin of life, and life elsewhere such as *in silico*, biospheres, and astrobiology); (3) genomics and bioinformatics in an evolutionary context (with possible connections to molecular evolution and the diversification of life); and (4) landscape, ecosystem, and/or global-scale ecological patterns and processes (with possible connections to organismic, population, evolutionary and/or conservation biology). We seek to maintain a balance in the department of methodological approaches, organismal focus, and habitat. Candidates working with any taxa and any combination of laboratory, field, or theory-based methods will be considered. The successful candidates will be expected to teach at undergraduate and/or graduate levels and to develop externally funded research programs. A Ph.D. in a related field is required.

To apply, please send the following to: **Search Committee, Department of Ecology and Evolutionary Biology, The University of Arizona, P.O. Box 210088, Tucson, AZ 85721-0088**; curriculum vitae; statements of research and teaching interests; and a one-page cover letter in which you indicate (1) your research area; (2) the significance of your work in addressing major questions in ecology and evolutionary biology; and (3) the names, titles, and addresses (including e-mail) of four individuals who can evaluate your work and its significance (also please arrange for the letters to be sent). Please send no more than four reprints. Review of applications will begin September 11, 2000, and will continue until the positions are filled. Visit **website:** <http://eebweb.arizona.edu> for updated information. *The University of Arizona is an Equal Opportunity Employer/Affirmative Action Employer/Minorities/Women/Disabled/Veterans.*

TWO TENURE-TRACK FACULTY POSITIONS Institute of Biological Chemistry Academia Sinica, Taiwan

We seek applicants at the level of **ASSISTANT RESEARCH FELLOW** (equivalent to **ASSISTANT PROFESSOR**) but may consider more advanced faculty. Applicants should have a Ph.D. and/or M.D. degree plus postdoctoral training. The ability to pursue independent research is of critical importance for consideration. Areas of particular interest include structural biology, proteomics, and related areas in biochemistry. The Institute will provide excellent start-up funds and laboratory space as well as state-of-the-art common facilities. Interested applicants are requested to send (1) description of previous research experience, (2) representative reprints of research papers, (3) description of proposed research, (4) résumé, and (5) three letters of recommendation to: **Dr. Andrew H.-J. Wang, Director of the Institute of Biological Chemistry, Academia Sinica, Taiwan** by November 1, 2000. Inquiries can be made via **Telephone: 886-2-27855696, extension 1015; FAX: 886-2-27889759; e-mail: tan@gate.sinica.edu.tw**.

FACULTY POSITION

The Department of Horticulture, University of Wisconsin-Madison is seeking an **ASSOCIATE PROFESSOR** (tenure track). Training in whole plant physiology or ecology, rhizosphere ecology, nutrient uptake and utilization, root-microbe interaction, or reproductive biology desired. This position supports Wisconsin's fruit industries. Send curriculum vitae, a statement of professional goals, and names of four references to: **Dr. Teryl R. Roper, Chair, Search and Screen Committee, Department of Horticulture, 1575 Linden Drive, Madison, WI 53706**. **Telephone: 608-262-9751; FAX: 608-262-4743**. *The University of Wisconsin-Madison is an Affirmative Action/Equal Opportunity Employer.*

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POSTDOCTORAL POSITIONS AVAILABLE

Postdoctoral positions are available to study the molecular and cellular basis of Group B Streptococcal and encapsulated Haemophilus influenza infections. We are using a variety of in vitro and in vivo models to investigate novel virulence genes, host responses, and genetic exchange between bacterial species. Specific areas of interest focus on factors responsible for colonization and invasion.

The ideal candidates will have a strong background in bacterial genetics and host-pathogen interactions, and will have obtained a Ph.D. and/or M.D. Our laboratories are part of the Department of Infectious Diseases which has strong programs in diverse aspects of bacterial and viral pathogenesis. The support facilities and the research environment at St. Jude Children's Research Hospital are exceptional, with strong collaborative interactions between departments within St. Jude as well as affiliated programs in the Memphis area.

These positions are available immediately. Interested candidates should send a curriculum vitae and three letters of recommendation to: **Elisabeth Adderson, M.D., Department of Infectious Diseases, St. Jude Children's Research Hospital, 332 North Lauderdale St., Memphis, TN 38105.**

www.stjude.org

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Faculty Position in Molecular Neuroscience



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Department of Anatomy and Neurobiology

We seek an individual taking innovative molecular or cellular approaches to fundamental questions in neural development, function, or behavior for a tenure track position as Assistant Professor in the Department of Anatomy and Neurobiology at Washington University School of Medicine (<http://thalamus.wustl.edu>). The department houses 25 active research labs in neurobiology, and it is part of a much larger interdepartmental neuroscience program (<http://thalamus.wustl.edu/Neuroweb>). Excellent shared facilities are available for molecular and cellular neuroscience, including imaging (electron, confocal and two-photon microscopy), and mouse genetics (generation and behavioral analysis of transgenic and knockout lines). Both the department and the neuroscience program offer numerous opportunities for scientific interactions and collaborations. To apply send synopsis of research interests and a CV including names and phone/fax/email of three references to: Dr. David Van Essen, Anatomy and Neurobiology, Box 8108, Search Committee, Washington University School of Medicine, 660 S. Euclid Ave., St. Louis, MO 63110, by December 1, 2000, or send email to susan@pcg.wustl.edu (combine material and send as one email attachment file). *AAEOE. Applications from minorities and women are encouraged.*



MAYO CLINIC DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS

A Mayo Clinic postdoctoral research position is available to study the molecular and physiological properties of peripheral autonomic ganglion neurons with special emphasis on sympathetic prevertebral ganglion neurons. Patch clamp recordings, sharp microelectrode recordings, laser scanning confocal microscopy and 3-D volume reconstruction are some of the approaches emphasized. Candidates with experience in the above mentioned methods are preferred. Candidates must have an MD or PhD degree. Please send curriculum vitae and the names of three references to:

J.H. Szurszewski, Ph.D.
Department of Physiology and Biophysics
Mayo Clinic
200 First Street, SW
Rochester, MN 55905, USA
e-mail: gijoe@mayo.edu

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

POSITIONS OPEN

RESEARCH SCIENTIST IN GASTROINTESTINAL ONCOLOGY (P114-01)

Northwestern University Medical School

The Departments of Surgery and Pathology at Northwestern University Medical School in Chicago are seeking a Scientist to organize a basic research effort in gastrointestinal oncology. The focus of the laboratory will be on the use of molecular biological tools for the diagnosis and/or therapy of gastrointestinal neoplasms. Previous experience and a record of publication in the study of the biology of gastrointestinal neoplasia are required. Existing extramural funding is not required but is desirable. The successful candidate will hold a joint appointment in the Departments of Surgery and Pathology and will participate in translational research programs involving both disciplines. Incumbents may hold the M.D. or Ph.D. degree or both; however, this position is a full-time research position and does not involve clinical duties. This is a full-time, continuing appointment at the rank of **ASSISTANT/ASSOCIATE FULL PROFESSOR**, tenure track. The level of academic appointment and salary will be commensurate with experience. The proposed starting date is optional, but the position should be filled by December 1, 2000. Please submit your curriculum vitae; a statement of areas of interest, expertise, and strengths; and the names of three professional references no later than October 1, 2000, to: **Richard H. Bell, Jr., M.D., Professor and Chairman, Department of Surgery, Northwestern University Medical School, 251 East Huron, Wesley 201, Chicago IL 60611-3008.**

Northwestern University is an Affirmative Action/Equal Opportunity Employer. Hiring is contingent upon eligibility to work in the United States. Women and minorities are encouraged to apply.

TENURE-TRACK ALCOHOL RESEARCH FACULTY POSITION

Department of Physiology and Neuroscience
Medical University of South Carolina

The Department of Physiology and Neuroscience, in collaboration with the NIAAA-funded Alcohol Research Center at the Medical University of South Carolina (MUSC), invites applications for one tenure-track faculty position at the rank of **ASSISTANT, ASSOCIATE, or FULL PROFESSOR**. Individuals with research interests in molecular, cellular, and/or behavioral neuroscience are particularly encouraged to apply. The applicant is expected to maintain a strong extramurally funded research program in alcohol research and participate in teaching in the graduate program. Excellent opportunities exist and will be encouraged for collaboration and interaction with other basic and clinical investigators within the Department of Physiology and Neuroscience and the Alcohol Research Center in the Department of Psychiatry. The position includes a competitive salary and start-up funds. MUSC is located in the lovely and historic seaport city of Charleston, South Carolina, and there are numerous cultural and outdoor activities. Applicants should submit curriculum vitae, a statement of research interests, and the names of three references to: **L. Judson Chandler, Chair, Search Committee, Departments of Physiology/Neuroscience and Psychiatry, CDAP IOP 4N, 67 President Street, Charleston, SC 29425.** Review of applications will begin November 1, 2000, and continue until the position is filled. *MUSC is an Equal Opportunity Employer.*

POSTDOCTORAL FELLOW NEUROCHEMISTRY, NEUROSCIENCE

A Postdoctoral position is available to study neurotransmitters (glutamate and catecholamine) involved in mechanisms of pain and analgesia in the central nervous system. Experience in neurochemical (HPLC) assay and electrophysiological studies is preferred. Send curriculum vitae and the names of three references to: **Dr. Hui-Lin Pan, Penn State University College of Medicine, The Milton S. Hershey Medical Center, Department of Anesthesiology, P.O. Box 850, H187, Hershey, PA 17033.**

POSITIONS OPEN

FACULTY POSITION ANIMAL FUNCTIONAL GENOMICS, MOLECULAR BIOLOGY

The Department of Animal Science, University of Minnesota, invites applications for a 12-month, tenure-track faculty position in animal functional genomics at the level of **ASSISTANT or ASSOCIATE PROFESSOR**. We seek candidates who will develop a recognized program in functional genomics relevant to animal agriculture and biotechnology. The selected candidate will become part of a major initiative in biomedical genomics at the University of Minnesota and will receive a highly competitive salary and start-up package. Qualifications: Required: Ph.D. in biomedical or biological sciences or closely related field. Postdoctoral experience. Extensive experience in standard molecular procedures and genome analysis. Desired: experience in regulatory mechanisms important to animal processes (growth development reproduction, disease, etc.) and proteomics. Solid publication record and the ability to obtain extramural support. Experience in teaching in the areas of genomics, expression analysis, molecular biology, or animal biotechnology. Application deadline: Review of applications will begin October 1, 2000. Application to include letter, curriculum vitae, statement of research and teaching interests, three reference letters. Send to: **Dr. F. Abel Ponce de León, Head, Department of Animal Science, 1364 Eckles Avenue, University of Minnesota, St. Paul, MN 55108.** Full position description available at website: <http://www.ansci.umn.edu/webcal.cgi.bin>. *The University of Minnesota is an Equal Opportunity Educator and Employer.*

MOLECULAR GENETICIST AQUATIC PLANT ECOLOGIST

University of Wisconsin-Eau Claire, a selective, primarily undergraduate comprehensive university, seeks two tenure-track **ASSISTANT PROFESSORS** beginning August 2001 to serve in a highly collegial modern Biology Department. (1) Molecular Geneticist to teach molecular biology courses and a course in their specialty. (2) Aquatic Plant Ecologist to teach plant biology and aquatic/wetlands ecology. Candidates must enjoy teaching both majors and nonmajors. The Department strives for excellence in teaching and encourages student/faculty development through support of research. The successful candidate will have newly renovated teaching and research facilities and substantial start-up funds. The University supports ongoing research through internal programs and assistance in extramural grant development. Ph.D. required. Priority deadline: October 2, 2000. Send inquiry to: **Chair, Department of Biology, University of Wisconsin-Eau Claire, Eau Claire, WI 54702-4004. E-mail: GLENNAL@UWEC.EDU; Telephone: 715-836-4166; FAX: 715-836-5089; website: www.uwec.edu/Academic/Biology/biology.html.** *Equal Opportunity/Affirmative Action Employer.*

BIOLOGIST I SANITARY CHEMIST I

The Metropolitan Water Reclamation District of Greater Chicago is accepting applications for these civil service positions.

Biologist position requires a minimum of a four-year degree in biology or one of the biological sciences and knowledge of aquatic biology and ecology; biostatistics; skill in the use of personal computers; and the ability to communicate effectively, both orally and in writing.

Sanitary Chemist position requires a four-year degree in chemistry or chemical engineering and knowledge of environmental chemistry and laboratory equipment, instrumentation, computer spreadsheets and databases, and research methodology. A degree in the biological sciences will be accepted provided curriculum includes substantial course work in chemistry. Application deadlines and information are available on our website: www.mwrdgc.dst.il.us or Telephone: 312-751-5100 for information on this and other positions at the District.

POSITIONS OPEN

TAIR CURATOR POSITIONS

The Arabidopsis Information Resource (TAIR) is seeking two full-time **DATABASE CURATORS** to participate in the collection and display of data for research use; the development and improvement of data model for TAIR database; and the development of software tools for literature curation, data integration, visualization, and analysis. Data types to curate and develop into the database structure include experimental data from the Arabidopsis literature, genome sequencing and annotation, functional genomics, genetic and physical maps and genetic markers, expression data, phenotype and mutant lines, and biochemical pathways.

Successful candidates will have a Ph.D. degree or equivalent in biology; a demonstrated ability for independent, critical thinking; and excellent communication and teamwork skills. Prior laboratory experience with Arabidopsis is preferred. Candidates with some background in biochemistry are especially encouraged to apply. Also, candidates with a working knowledge of PERL, SQL, and/or basic shell scripting languages are desired, but an extensive background in computing is not required. Familiarity with basic UNIX commands, spreadsheets, and commonly used biological research tools such as BLAST and MEDLINE searching would be an asset. Qualified candidates should send a résumé to:

**The Arabidopsis Information Resource
Job Application
Attention: Sue Rhee
Carnegie Institution of Washington
Department of Plant Biology
260 Panama Road
Stanford, CA 94305**

Application deadline: October 15, 2000.

PHYSICIAN SCIENTIST FACULTY POSITION IN NEONATOLOGY

The Vanderbilt University Division of Neonatology is seeking a Physician Scientist (Board-certified/Board-eligible in neonatal-perinatal medicine) who is an established Investigator in the field of fetal and newborn medicine. This includes research into the cell and molecular biology and/or genetics of appropriate model systems. The position is on the tenure track at the level of **ASSOCIATE or FULL PROFESSOR**. The person in this position is expected to provide research leadership for the Division and, as such, will have minimal clinical responsibilities. Administrative responsibility will be limited to that required to lead and develop the research enterprise. Full salary and research support are available for a reasonable period of time to allow the Investigator to secure external funding. Inclusion of additional personnel in the recruitment package is negotiable. The research environment includes established investigators with proven track records. The opportunity to establish collaborative relationships with exceptionally strong basic science departments ensures the highest quality research and training environment. This position is immediately available. Please respond by sending curriculum vitae to: **Robert B. Cotton, M.D., Department of Pediatrics, Vanderbilt University Medical Center, Nashville, TN 37232-2370.** *Vanderbilt University is an Equal Opportunity Employer.*

PATENT AGENT/ATTORNEY WITH PH.D. in biological sciences sought by Atlanta law firm for biotechnology patent practice. Needle & Rosenberg, P.C., represent many universities, biotech companies, NIH, and CDC. Qualified candidates have an M.D. or Ph.D.; patent bar registration; at least two years of prosecution experience; and excellent organizational, interpersonal, and communication skills. We offer competitive salary and benefits in a casual environment. Send résumé and names of three references to: **Mary L. Miller, Ph.D., Esq., Needle & Rosenberg, P.C., 127 Peachtree Street, N.E., Suite 1200, Atlanta, GA 30303. E-mail: miller@needlepatent.com; website: www.needlepatent.com.**

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EUROPEAN OPPORTUNITIES

SIAF

**Swiss Institute of Allergy
and Asthma Research**

(associated with the University of Zurich)

The Swiss Institute of Allergy and Asthma Research (SIAF) in Davos is inviting applicants for a position of a

Scientist in Asthma Research

The asthma research at SIAF investigates basic immunological mechanisms in asthmatic and other inflammatory lung diseases.

We are seeking individuals with MD, MD/PHD or PHD degree who are interested in adopting innovative interdisciplinary approaches to problems within the respective field. They should have a strong background and methodology in modern cellular and molecular immunology to research on inflammatory diseases, supported with an adequate record of publications.

Applications in writing, including a detailed curriculum vitae should be sent to

Dr. K. Blaser, Director
**Swiss Institute of Allergy and Asthma
Research (SIAF)**
Oberer Strasse 22
CH-7270 Davos, Switzerland
E-mail: kblaser@siaf.unizh.ch
<http://www.siaf.unizh.ch>

GLOBAL OPPORTUNITIES



seeks an

Asia-Pacific Electronic Publishing Manager

Nature Publishing Group, publisher of the international science weekly *Nature* and a family of related scientific journals and reference works, seeks an Electronic Publishing Manager to take charge of its highly successful websites in the Asia-Pacific region. The manager will be based at Nature Japan K.K. in Tokyo, the group's headquarters for the Asia-Pacific.

The websites include a Japanese language website at www.naturejpn.com with over 50,000 registered users, and Chinese and Korean language websites at www.natureasia.com. These sites, which are growing rapidly in size and popularity day-by-day, provide local language information together with translations of materials from all Nature journals and other publications of the Nature Publishing Group.

The manager will require basic web programming skills (in HTML, JavaScript and Perl), an ability to manage email alerting services in several Asian languages, strong project management skills, and an interest in science journalism. Reasonable fluency in at least one of the Asian languages used on our websites (preferably Japanese) is a requirement, as is compete fluency in English. A background in science would also be useful, but is not essential.

The manager will also have responsibility for overseeing information technology and management of the office computer network at Nature Japan, which currently has ten full-time staff and several part-timers. The manager will be assisted by an Electronic Marketing Executive, as well as part-time staff, contract staff and external developers.

Applications, including a CV and a statement outlining your suitability for the position, should be sent by email, fax or post by 30th September 2000 to: Dr David Swinbanks, Asia-Pacific Publishing Director, Nature Publishing Group, & Managing Director, Nature Japan K.K., Shinmitsuke Bldg 4F, 3-6 Ichigaya Tamachi, Shinjuku-ku, Tokyo 162-0843, Japan.
Email: d.swinbanks@nature.com fax: +81-3-3267-8746

POSITIONS OPEN

FACULTY POSITION CANCER/BIOTECHNOLOGY

Texas Tech University Health Sciences Center (HSC) School of Pharmacy invites applications for a tenure-track faculty position at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level in the Department of Pharmaceutical Sciences. The Department comprises 18 full-time faculty members with research interests in the areas of brain/vascular, cancer, biotechnology, and pharmaceutical research. Applicants for this position must have a Doctoral degree and postdoctoral training experience. Candidates with research interests in the area of cell biology of cancer are strongly encouraged to apply. Candidates at the level of Assistant Professor will be expected to develop a strong research program as well as teach and mentor undergraduate and graduate students. Candidates for appointments at the higher level are expected to have an independent research program. Competitive start-up packages and space are available. The School of Pharmacy is located in a more than 102,000 square-foot building on the Harrington Regional Medical Center, in close proximity to the Amarillo campus of the Texas Tech School of Medicine and the Harrington Cancer Center. For more information, visit our website: <http://pharmacy.ama.ttuhs.edu>.

Applicants should submit curriculum vitae, a brief summary of research and teaching interests, and names and addresses of at least three references to: **Dr. Girish Shah, Chair, Search Committee, Texas Tech University HSC, School of Pharmacy, 1300 Coulter, Amarillo, TX 79106. FAX: 806-356-4034; e-mail: girish@cortex.ama.ttuhs.edu.** *Texas Tech University Health Sciences Center is an Equal Opportunity/Affirmative Action Institution. Minorities and women are encouraged to apply.*

POSTDOCTORAL POSITION IN DEVELOPMENTAL GENETICS: A position is available to study regulatory pathways during embryonic mesoderm patterning and the development of skeletal, visceral, and cardiac muscles. Our laboratory employs genetic and molecular approaches to study the integration of transcriptional and signaling pathways during the above developmental processes in the *Drosophila* model system (website: <http://www.mssm.edu/biomol/faculty/frasch.htm>). Self-motivated individuals trained in molecular biology, developmental biology, and/or genetics are encouraged to apply.

RESEARCH TECHNICIAN POSITION: This position requires solid experience in molecular biology techniques. Participation in fly genetics and general laboratory maintenance is also expected.

Send curriculum vitae, addresses of three references, and statement of research/technical experience and future goals to:

Dr. Manfred Frasch
Department of Biochemistry and
Molecular Biology
Mount Sinai School of Medicine
Box 1020
One Gustave L. Levy Place
New York, NY 10029
E-mail: Frasch@mssm.edu

POSTDOCTORAL FELLOWSHIPS

Positions immediately available in the NYU-Hospital for Joint Diseases Musculoskeletal Research Center for Postdoctorals with experience in molecular, biochemical, and/or cell culture techniques.

Send résumé to: **Paul Di Cesare, M.D., Director, MRC, Hospital for Joint Diseases, 301 East 17th Street, New York, NY 10003. E-mail: pedicesare@yahoo.com; FAX: 212-598-6096.**

POSTDOCTORAL POSITION to work in the area of molecular basis of radiation resistance (cell signaling and apoptosis). Cell culture and hardcore molecular biology techniques are essential. For more information, contact: **Dr. Mansoor M. Ahmed, Ph.D., Assistant Professor, Department of Radiation Medicine, University of Kentucky, Lexington, KY 40506. E-mail: ahmm@pop.uky.edu.**

POSITIONS OPEN

CHAIR DEPARTMENT OF CELL AND MOLECULAR PHYSIOLOGY

The University of North Carolina at Chapel Hill

The School of Medicine at the University of North Carolina at Chapel Hill is searching for an outstanding individual to provide academic and administrative leadership for the research and teaching programs of the Department of Cell and Molecular Physiology. This fine Department has excellent facilities and strong collaborative relationships with other departments, research centers, and institutes within the University. Other academic and industrial institutions in the Research Triangle enhance the scientific environment, and the UNC Chapel Hill School of Medicine is enjoying robust growth. Minimum qualifications for this position include a Ph.D. or M.D. degree and a distinguished record of scientific research and extramural funding. Consideration of candidates will begin immediately and will continue until the search is successfully concluded. Applicants should submit detailed curriculum vitae; a description of their administrative experience, research goals and teaching interests; and the names and addresses of four references.

Richard C. Boucher, M.D.
Chair, Department of Cell and Molecular
Physiology Search Committee
c/o Office of the Dean, School of Medicine
CB Number 7000
243 MacNider Hall
The University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7000
Attention: **Bethany Cowan**

The University is an Equal Opportunity Employer. Women and members of minority groups are encouraged to apply.

POSTDOCTORAL FELLOW DEPARTMENT OF CARDIOVASCULAR MEDICINE University of Virginia

Applications are invited for a Postdoctoral Fellow to investigate cellular and molecular mechanisms of tissue protection that are mediated by adenosine receptors. The project will combine the use of immunological techniques to isolate neutrophils, monocytes, mast cells, and endothelial cells with binding and cellular signaling assays to investigate the effects of novel adenosine receptor agonists and antagonists on inflammatory processes. The position is funded by the National Institutes of Health. Applications with the names and addresses of three references should be sent to:

Joel Linden, Ph.D.
Department of Cardiology
Box 801395
University of Virginia
Charlottesville, VA 22908
Telephone: 804-924-5600
FAX: 804-982-3162
E-mail: jlinden@virginia.edu

POSTDOCTORAL FELLOWSHIP Epigenetic Gene Regulation in the Immune System University of Washington

An NIH-funded **POSTDOCTORAL POSITION** available to study the role and mechanism of epigenetic gene regulation in the immune system. Research focuses on cytokine gene regulation. Qualifications must include a recent Ph.D. and expertise in immunohistochemical and molecular genetic techniques, especially RNA/DNA-FISH. Interested parties should forward curriculum vitae and three letters of reference to:

Mark Bix, Ph.D.
Department of Immunology
University of Washington
Box 357370
Seattle, WA 98195
E-mail: mbix@u.washington.edu

POSITIONS OPEN

EXECUTIVE DIRECTOR

Kentucky Science and Engineering (S&E) Foundation. An innovative research and development professional with an entrepreneurial mindset is sought to help design and then direct a new S&E foundation, which is affiliated with Kentucky Science and Technology Corporation (KSTC), an independent non-profit Kentucky corporation. Candidate will be a **SCIENTIST** or **ENGINEER** with demonstrated experience in research and development, securing and administering major research grants, and demonstrating the ability to work in a multiuniversity/industry environment and the knowledge related to technology transfer and commercialization of innovations. Send résumé with salary history to: **Human Resources, KSTC, P.O. Box 1049, Lexington, KY 40588-1049.** Preference will be given to résumés post marked prior to September 18, 2000. *Equal Opportunity Employer.*

SCIENTIST

Commonwealth Biotechnologies Inc. (CBI) seeks an entry-level Scientist who will supervise and perform DNA, RNA, and PNA synthesis and purification. M.S. or Ph.D. in chemistry, biochemistry, or related discipline required; relevant experience a plus. We seek an individual with up-to-date bench and computer skills who has the ability to work well in a team-oriented environment.

CBI is a cutting-edge biotechnology company located in Richmond, Virginia. CBI offers an excellent benefits package. Send résumé including names of three references and cover letter to: **Director of Human Resources, 601 Biotech Drive, Richmond, VA 23235. FAX: 804-648-2641; e-mail: hr@cbi-biotech.com.** Please refer to Position MB0500.

ASSISTANT/ASSOCIATE PROFESSOR

One long-term track faculty position. Begin January 2001 or earliest date. Ph.D. required; primary teaching responsibility microbiology along with freshman biology courses with opportunity for graduate teaching. Experience in small college preferred. Liberal arts environment. Responsibilities include academic advising and committee work; expected to engage in biomedical research with undergraduates, to write grants, and to publish. Strong record of teaching excellence and scholarship desirable. Letter stating interests, complete résumé, transcripts, and three letters of reference due prior to October 15, 2000, to: **Dr. John Karen Frei, Dean, School of Natural and Health Sciences, Barry University, Miami Shores, FL 33161.**

ASSISTANT or ASSOCIATE SPECIALIST to conduct research on bacterial ammonia transporter and/or perform studies on genomewide expression in *E. coli*. Annual salary (100%): \$34,536 to \$52,404 depending on qualifications. Ph.D., working knowledge of bacterial biochemistry, molecular biology or bacterial physiology, genetics, and technical skills required. One year (October 1, 2000, through September 9, 2001) with possible renewal. Qualified candidates should send letter of application, curriculum vitae, and three letters of reference to: **Dr. Sydney Kustu, Department of Plant and Microbial Biology, 111 Koshland Hall, University of California Berkeley, Berkeley, CA 94720-3102. Deadline: September 15, 2000. Equal Opportunity Employer/Affirmative Action.**

POSTDOCTORAL POSITION available to investigate quantum processes in membrane proteins, specifically the possible role of quantum tunneling in the activation of ion channels in neuronal membranes. The candidate should have a Ph.D. in chemistry or physics in an area related to modeling and/or testing quantum dynamics in proteins. Send curriculum vitae and names of two references to: **Dr. Stephen George, Neuroscience Program, Amherst College, Amherst, MA 01002. FAX: 413-542-7955. E-mail: sageorge@amherst.edu.**

"Our employees are the key to success"

Extract from BASF's Vision 2010

BASF Plant Science GmbH (BPS) is the plant biotechnology R&D platform of BASF and its partners, located in Limburgerhof, Germany (close to Heidelberg/Mannheim). BASF has committed more than 700 Mio Euro over ten years to aggressively develop its global biotechnology capabilities. With more than 200 researchers in subsidiaries in Germany, Sweden, Canada and USA, with an expected growth to more than 300 employees, BPS's goal is to become one of the worldwide leading companies in plant biotechnology.

Do you want to be part of it?

If you enjoy working in a team environment, would like to take over responsibilities, would like to build and maintain international contacts and are looking forward to a challenge at the cutting edge of biology and bioinformatics then we look forward to talking to you...

Available positions:

Technology Manager

Tasks:

- development and implementation of technology and licensing concepts
- worldwide coordination of technology between BPS subsidiaries
- in- and outlicensing of technology and/or patents
- evaluation of patents together with patent attorneys
- technology scouting

Qualifications:

- doctoral degree (Biology, Biochemistry, Biotechnology) with excellent qualifications
- several years experience in biotechnology/genetic engineering, preferably know how in plant biotechnology
- experience in evaluation of patents and technology
- experience in project management
- good negotiation, presentation and communication skills
- team work, English language (written and spoken)

Bioinformatics Manager

Task:

- worldwide coordination of the development and implementation of a "state of the art" bioinformatics platform to support activities in plant genomics and biotechnology

Qualifications:

- doctoral degree in informatics, biology or medicine with a clear relationship to the fields of bioinformatics and computational biology and a comprehensive understanding of biological systems
- experience in project management in a corporate environment
- experience with standard biological databases and analysis algorithms
- a fundamental knowledge of relational databases and/or programming

Please send your full application documentation to:

BASF Aktiengesellschaft
University relations
ZOH-B1
Reference number SC-N-00731
67056 Ludwigshafen

Think innovatively, act responsibly

BASF Plant Science

BASF

POSITIONS OPEN

FACULTY POSITION MICROBIOLOGY NORTHEASTERN UNIVERSITY

The Department of Biology invites applications for a **TENURE-TRACK ASSISTANT PROFESSORSHIP** available September 2001 (contingent on funding). Qualifications include a Ph.D. and postdoctoral experience. The successful candidate will be expected to develop an externally funded research program in an area that complements and supplements our current research strengths in microbiology. Additionally, the individual will be expected to participate enthusiastically in undergraduate and graduate teaching and have a demonstrated ability to teach. Our website: www.dac.neu.edu/biology will provide information about the Department.

Applicants should send curriculum vitae, a statement of research interests and plans, and a statement of teaching experience and interests to: **Biology Faculty Search Committee, 414 Mugar Building, Northeastern University, Boston, MA 02115** and should also arrange to have at least three letters of reference sent independently to the Search Committee. Review of applications will begin on November 15, 2000. *Northeastern is an Equal Opportunity/Affirmative Action/Title IX University. Women and minority candidates are especially encouraged to apply.*

FACULTY POSITION, cardiac biology. Faculty position within the Cardiovascular Division of Beth Israel Deaconess Medical Center, Boston. Candidate will establish an independent research program and interact with the existing Cardiac Biology group. Candidate will have an academic appointment in the Department of Medicine, Harvard Medical School, commensurate with his/her qualifications. The candidate should have M.D. or Ph.D. degree, extensive postdoctoral experience, and potential to be fully self-funded within three years. Preference given to those with expertise in signal transduction, cardiac hypertrophy, gene targeting technologies, cardiac development, and/or functional genomics. Send curriculum vitae by September 1, 2000, to: **Dr. Seigo Izumo, Beth Israel Deaconess Medical Center, 330 Brookline Avenue, SL-201, Boston, MA 02215. E-mail: sizumo@caregroup.harvard.edu.** *Equal Opportunity Employer.*

RESEARCH ASSOCIATE position in the Department of Pharmacology. Requirements: Ph.D. degree in molecular pharmacology with one to two years of postdoctoral training. Applicant should possess a strong background in molecular/biochemical pharmacology, especially as related to G protein coupled receptors. Previous experience in the molecular biology of adenosine receptors and assessment of transcription factor activity is preferred. Send curriculum vitae to: **Richard Herndon, Department of Pharmacology, Southern Illinois University School of Medicine, P.O. Box 19629, Springfield, IL 62794-9629, U.S.A. FAX: 217-524-0145.** The closing date for this position is September 4, 2000, or until filled. *Southern Illinois University is an Equal Opportunity/Affirmative Action Employer.*

A **POSTDOCTORAL POSITION** is available immediately to study molecular mechanisms involved in stimulation of neutrophils. Areas of investigation include involvement of protein kinase cascades in chemotaxis and transcription. Experience in protein phosphorylation, immunofluorescence microscopy, and molecular biology is desirable. Please submit curriculum vitae and names of three references to: **John A. Badwey, Center for Experimental Therapeutics and Reperfusion Injury, Anesthesia, Brigham and Women's Hospital, Harvard Medical School, 75 Francis Street, Boston, MA 02215. FAX: 617-278-6957.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

MAXIA PHARMACEUTICALS, INC.

MAXIA Pharmaceuticals, Inc., located in San Diego, California, seeks highly motivated candidates for the following positions:

POSTDOCTORAL SCIENTISTS: MAXIA is seeking Ph.D. molecular biologists to expand the drug discovery teams in Type 2 diabetes and cancer. The candidates will be familiar with nuclear receptor signaling and/or signal transduction mechanisms. Expertise in molecular biology techniques, especially with RT-PCR, Northern, and Westerns, is required. Candidates should be highly experienced and motivated to carry out experimental work. Candidates should have two years of postgraduate experience in a relevant field.

MAXIA offers a competitive salary and benefits package including a substantial stock option package. Please e-mail résumé to: **HumanResources@maxia.com**; or FAX to Human Resources at: **858-824-1967.** *Equal Opportunity Employer.*

COMPARATIVE IMMUNOBIOLOGY

The Biology Department at the University of New Mexico seeks applicants for a full-time, tenure-track position at the **ASSISTANT PROFESSOR** level in the area of comparative immunobiology. Applicants must have a Ph.D. in biology or a related discipline at the time of appointment. Individuals working on either invertebrate or vertebrate model systems are encouraged to apply. We seek an outstanding individual who complements the activities of other comparative immunobiologists in the Department and is interested in joining a broad integrative biology department. The individual hired will be expected to develop an independent research program and be committed to excellent teaching in the undergraduate core through graduate level. Additional information is available at website: <http://biology.unm.edu/>. Applicants should send a letter, curriculum vitae, at least three letters of reference, description of research and teaching interests, and recent reprints to: **Comparative Immunobiology Search Committee, Department of Biology, University of New Mexico, Albuquerque, NM 87131 U.S.A. FAX: 505-277-0304; Telephone: 505-277-9740.** Deadline for receipt of application materials is 16 October 2000. *University of New Mexico is an Equal Opportunity/Affirmative Action Employer and Educator. Members of underrepresented groups are encouraged to apply.*

POSTDOCTORAL POSITION available immediately to study the regulation of apoptotic signaling pathways by protein S-nitrosylation. A strong background in molecular biology is desirable. Send curriculum vitae and the names and telephone numbers of three references to: **Dr. Joan Mannick, Department of Medicine, University of Massachusetts Medical School, Rose Reed Gordon Building, 222 Maple Avenue, Shrewsbury, MA 01545. E-mail: joan.mannick@umassmed.edu.**

POSTDOCTORAL FELLOW to work on cellular mechanisms involved in the regulation of endo/exocytosis and transcytosis of apolipoproteins/lipoproteins across the blood-brain barrier and brain endothelium. Candidates with previous experience in vascular cell biology are encouraged to apply. Salary commensurate with experience. Résumés to: **Dr. Berislav Zlokovic; e-mail: Berislav.Zlokovic@urmc.rochester.edu.** *The University of Rochester is an Equal Opportunity Employer.*

The Department of Radiation Medicine, University of Kentucky, has an immediate opening for a **POSTDOCTORAL SCHOLAR**. Applicants should have a Ph.D. in physics or chemistry with a strong background in computer and experimental skills. Please submit résumé and three references to: **Dr. Ali S. Meigooni, Associate Professor; e-mail: alimeig@pop.uky.edu.**

POSITIONS OPEN

ENVIRONMENTAL CHANGE LEHIGH UNIVERSITY

The Department of Earth and Environmental Sciences has an opening at the **ASSISTANT PROFESSOR** level for an individual experienced in integrating records of environmental change with understanding of modern geological and biological processes. The area of specific expertise is open, but scientists with backgrounds in biogeochemistry and paleoecology are particularly welcome. Demonstrated experience with multidisciplinary studies and the potential to provide leadership in this area are required.

We expect the successful candidate to develop a vigorous externally funded research program; contribute to our curriculum in the area of environmental change; and mentor Ph.D., M.S., and undergraduate students in internships and research.

To receive full consideration, applicants should submit a letter of application, résumé, statement of research and teaching interests, up to three reprints, and at least three letters of reference by October 25, 2000, to: **Peter Zeitler, Chair, Department of Earth and Environmental Sciences, 31 Williams Drive, Lehigh University, Bethlehem, PA 18015 U.S.A.** For further information about the EES Department, see website: <http://www.ees.lehigh.edu>. *Lehigh University is committed to recruiting and retaining women and minorities.*

A **POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE** position is available immediately to study the effects of ethanol on regulation of cytokine signal transduction in liver. Potential projects include LPS-stimulation of TNF α release by macrophages and IL-1 dependent signaling in hepatocytes. Candidates should have a recent Ph.D. in cell biology, biochemistry, or a related discipline and experience in signal transduction, molecular biology, and/or cytokine biology. Send curriculum vitae, statement of research interests, and names of three references to: **Dr. Laura Nagy, Department of Nutrition, Case Western Reserve University Medical School, 2123 Abington Road, Room 201, Cleveland, OH 44104-4906.**

POSTDOCTORAL POSITION available to study the function and mechanism of action of molecular chaperones in insulin receptor biosynthesis (*J. Cell Biol.* 141:637; *J. Biol. Chem.* 274:18487; *Nat. Neurosci.* 2:984). Transgenic and cell culture systems will be used to analyze the quality control pathway *in vivo*. Expertise in membrane protein folding and molecular biology preferred. Please send curriculum vitae and three references to: **Joseph Bass, Evanston Northwestern Healthcare Research Institute/Northwestern University Medical School, 1033 University Place, Suite 420, Evanston, IL 60201. E-mail: j-bass@northwestern.edu.**

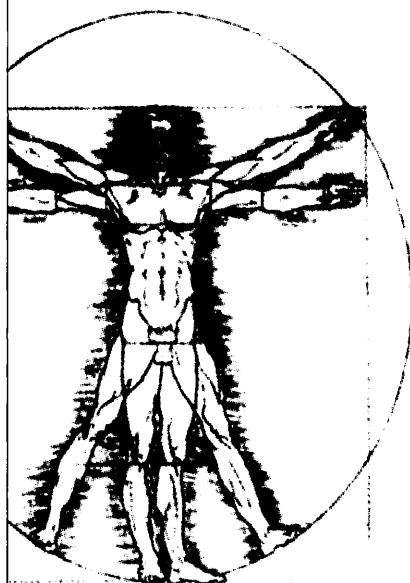
POSTDOCTORAL FELLOW ESTROGEN ACTION

A position is available to investigate estrogen to action from the cell membrane in breast cancer and angiogenesis. Strong experience in molecular biology/biochemistry is required; cell culture or signaling is desirable. The candidate must hold a Ph.D. and have received training at a U.S., Canadian, or British university. E-mail curriculum vitae and the names of three references to: **Dr. Ellis R. Levin, VALB Healthcare System, University of California, Irvine; e-mail: ellis.levin@med.va.gov.**

RESEARCH ASSOCIATE: A Research Associate is wanted to join an immunology-molecular biology group studying both clinical and basic aspects of HCV infection. Candidates must have completed postdoctoral training. Expertise with transgenic mouse models and lipid metabolism required for project on HCV cell entry in human LDL receptor transgenic mice. Applicants should mail or e-mail curriculum vitae to: **Dr. Vincent Agnello, Director, Immunology Research, Lahey Clinic, 41 Mall Road, Burlington, MA 01805. E-mail: Vincent.Agnello@lahey.org.**

2001 Novartis Immunology Prizes

The 2001 Novartis Prizes, one for Basic Immunology and one for Clinical Immunology are awarded for outstanding achievements in the understanding of immunology and major immunological discoveries that lead to therapeutic applications in such fields as transplantation, haematopoiesis, cancer immunology, immunity to infectious diseases, rheumatology, dermatology and asthma.



The next Novartis Immunology Prizes will be awarded at the XIth International Congress of Immunology in Stockholm on 23 July 2001.

Each prize is worth SFr 100 000

Applications in English should comprise a summary of the research work up to 2 pages, a curriculum vitae, a bibliography (experimental original papers separate from reviews and chapters) and reprints of not more than 3 key published papers in English or with extended summaries in English.

Applications must be received by 30 November 2000.

Individual and Research teams are invited to submit their applications to:

Dr Erik Wiskott, Novartis Prizes for Immunology,
P.O. Box 360, CH 4013, Basel, Switzerland. Fax: +41 61 324 9630.

Judges: Professor Rolf Zinkernagel (Chair), Professor Jean-Francois Bach, Professor Max D. Cooper, Professor Tasuku Honjo, Dr Philippa Marrack, Professor Andrew McMichael, Professor David H. Sachs.

 **NOVARTIS**

EUROPEAN OPPORTUNITIES

Director

Wellcome Trust Centre, University of Oxford, UK

The Governors of The Wellcome Trust and the University of Oxford wish to appoint a successor to Professor Roy Anderson FRS, as Director of The Wellcome Trust Centre for the Epidemiology of Infectious Disease. The Centre was originally established in Oxford in 1993 and the majority of its members are housed in recently constructed, purpose built premises, which can accommodate approximately 80 - 100 academic, technical and administrative staff and research students.

The Centre has had a multi-disciplinary strategy for investigations of infectious disease epidemiology, spanning theoretical, experimental and field-based approaches. The Trust wishes to build on this strategy whilst recognising that recruiting a new Director presents an opportunity for the mission of the Centre to be developed in different or new ways within the broad spectrum of epidemiology, infectious disease, population diversity, genetics and parasitic pathogen evolution, and would, if necessary, amend the title of the Centre to reflect a revised mission. The Wellcome Trust has provided funding for a substantial proportion of the research programmes carried out within the Centre, and for common resources, and subject to receipt of appropriate high quality proposal, would expect to continue this for the foreseeable

future under a new Director. Centre staff also receive grants and fellowship support from a variety of other sources and again we envisage this continuing together with extensive research collaborations both within the University of Oxford and with external investigators.

The successful candidate will be a scientist of the highest international calibre, with interests in one or more areas of science outlined above, and with a proven record of scientific leadership. He/She will have the requisite strategic and managerial skills to take the Centre forward as an internationally competitive group unified by an overarching scientific theme. He/She will be expected to gain a Wellcome Trust Principal Research Fellowship (covering personal remuneration) and associated programme grant funding (covering the costs of their research group and activities). Their employment would be by the University of Oxford.

Enquiries about this appointment should be made in the first instance to: **Dr Mike Dexter, The Director, The Wellcome Trust, 183 Euston Road, London NW1 2BE. The closing date for applications is 25th September 2000.**



The Wellcome Trust

The Wellcome Trust is a Registered Charity, No. 210183.



POSITIONS OPEN

Two **POSTDOCTORAL POSITIONS** are available immediately to participate in a comprehensive NIH-funded program in a dynamically expanding lung cell and molecular biology laboratory. Position Number 1 will focus on the role of pulmonary surfactants in innate immunity and inflammatory diseases of the airways and lung parenchyma by independent performance of studies of immune and epithelial cell function using primary cultures, cell lines, protein purification, immunochemistry, flow cytometry, ELISA, and molecular biology techniques (including microarrays). Experience with murine models is an advantage. Position Number 2 is directed at characterization of biosynthesis, processing, and trafficking of surfactant proteins using *in vitro* models, EGFP fusion proteins, and transgenic/knockout animals. Candidates with a sound background in molecular biology, protein chemistry, and cell biology desired.

Qualified candidates (M.D. or Ph.D.) with two to three years of postdoctoral experience in molecular and cell biology and/or immunology should send an application letter with a statement of scholarly interests, desired position, curriculum vitae, and names/addresses of three references to: **Michael F. Beers, M.D., Division of Pulmonary and Critical Care, University of Pennsylvania, 807 BRB II/III Building, 421 Curie Boulevard, Philadelphia, PA 19104. E-mail: mfbeers@mail.med.upenn.edu. Affirmative Action/Equal Opportunity Employer.**

A position is available immediately in the Division of Monoclonal Antibodies, Office of Therapeutics Research and Review, Center for Biologics Evaluation and Research, Food and Drug Administration, for a **PLANT GENETICIST/MOLECULAR BIOLOGIST**. The successful candidate will have a Ph.D. in plant genetics or plant molecular biology with experience in the production of transgenic plants. Knowledge of transient transfection methodology and/or germline transfection methodology is required. Good writing skills are essential. This position will involve learning about the regulatory procedures of the FDA and will focus on the development of a regulatory guidance document on biological products produced in plants for human and animal use. A Ph.D. and less than three years of postdoctoral experience are required. This is a one-year position and is funded through an Intramural Research Training Award fellowship. It carries a stipend of between \$35,000 and \$44,000 per annum depending on experience. Laboratories are located on the NIH campus in Bethesda, Maryland. Interested applicants should forward curriculum vitae and the names and contact information for three references to: **Keith Webber, Ph.D., 1401 Rockville Pike, HFM-555, Rockville, MD 20852-1448. E-mail: webber@cber.fda.gov. The FDA is an Equal Opportunity Employer.**

ENVIRONMENTAL PROTECTION SPECIALIST POSITIONS

The Department of Energy's (DOE) Office of National Environmental Policy Act (NEPA), Policy and Compliance, is seeking three Environmental Protection Specialists at the GS-13/14 levels (salary range: GS-13, \$60,890 to \$79,155; GS-14, \$71,954 to \$93,537). Each incumbent will serve as a NEPA specialist, primarily for projects in DOE's energy, waste management, nuclear, defense, and science programs. The duty station is Washington, D.C. Competition is nationwide and applications must be received or postmarked by September 8, 2000. Applicants must follow the specific instructions described in the vacancy announcement (PN-00-EH-092), which may be accessed via **website: www.hr.doe.gov/pers/doejobs.htm**. (TDD users may Telephone: 301-903-0547 to obtain a copy). For further information, you may contact a DOE personnel representative at Telephone: 301-903-1545. The Department of Energy is an Equal Opportunity Employer.

POSITIONS OPEN

MICROBIOLOGIST Clarkson University

Clarkson University's Biology Department invites applications for a tenure-track **ASSISTANT PROFESSOR** in microbiology. Position begins August 16, 2001. Responsibilities include teaching six contact hours/week/semester and maintaining an externally funded research program that includes undergraduates. We seek faculty who are able to teach both general and environmental microbiology. We are especially interested in candidates who can contribute to our health science and/or environmental programs. We are a small, private technological university whose mission balances high-quality undergraduate and graduate education with excellence in research. We are located in a rural setting just outside the Adirondack Park, with year-round outdoor recreational opportunities. Clarkson lies within minutes of two other universities and within two hours of Montreal, Ottawa, and Lake Placid. Candidates should submit curriculum vitae, research and teaching statements, sample preprints/reprints, and three letters of reference to: **Search Committee, Biology Department, Clarkson University, Potsdam, NY 13699-5825**. Review of applications will begin October 15, 2000, and continue until position is filled. Additional details available at **website: http://www.clarkson.edu/~biology**. Clarkson is an Equal Opportunity/Affirmative Action Employer. PP#08-00.

POSTDOCTORAL POSITION in cell biology is available to study regulation of integrin signaling *in vitro* and integrin function *in vivo* at University of California San Francisco. The project is focused on the influence of urokinase receptors on integrin function in model systems relevant to inflammation and tumor metastasis. The project will use structural/functional studies of integrin and urokinase receptor interactions *in vitro* and transgenic/knockout approaches *in vivo* to understand the basis for the synergistic relationship between proteases and integrins in cell migration. Experience in molecular biology and mouse biology preferred. Send curriculum vitae to: **Harold A. Chapman, M.D., Cardiovascular Research Institute, University of California San Francisco. FAX: 415-476-5712; e-mail: halchap@itsa.ucsf.edu.**

POSTDOCTORAL POSITIONS are available immediately to study molecular mechanisms of exocytosis, oxidative stress (nitric oxide and peroxynitrite), or differential gene expression using microarray technique in lung epithelial cells. Candidates with a strong background in biochemistry, molecular biology, or cell biology are encouraged to apply. Send curriculum vitae and names of three references to: **Dr. Lin Liu, Department of Physiological Sciences, Oklahoma State University, 264 CVM, Stillwater, OK 74078-2014. Telephone: 405-744-6737; e-mail: kpvpmph@okstate.edu**. Applications will be accepted through September 10, 2000, or until a suitable candidate is identified. Oklahoma State University is an Affirmative Action/Equal Opportunity Employer who encourages applications from minority groups.

POSTDOCTORAL POSITION

Immediate opening for a NIH-funded Postdoctoral Fellow at the University of Cincinnati. The project is structure/function relationship of ion channels and other related membrane proteins by NMR spectroscopic methods. Experience with recombinant protein production and purification technologies required. Contact: **Dr. Arnold Schwartz, Professor/Director, Institute of Molecular Pharmacology/Biophysics, University of Cincinnati Cardiovascular Research Center, Mail Location 0828, Cincinnati, OH 45267-0828. Telephone: 513-558-2400; FAX: 513-558-1778. University of Cincinnati is an Affirmative Action/Equal Opportunity Employer. Permanent U.S. residency required.**

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION FISH IMMUNOLOGIST

The Center of Marine Biotechnology of the University of Maryland Biotechnology Institute invites applications for a tenure-track **ASSISTANT PROFESSOR** position in fish immunology. The successful candidate is expected to develop a strong, independent research program focused on basic and applied aspects of immune systems in fish with emphasis on molecular immunology and with interest in DNA vaccines a plus. A Ph.D. degree with postdoctoral training in the application of molecular/biochemical approaches to understanding humoral or cellular adaptive immunity is required. Candidates must demonstrate a strong research record, including the publication of seminal papers on the structure and/or function of the fish immune system. Applicants should submit a letter of intent describing specific interests in this position, experience, overall qualifications, future plans and career goals together with a detailed curriculum vitae including a comprehensive list of publications; and the names and addresses of at least three professional references to: **Chair, Search Committee, Immunology Position, Center of Marine Biotechnology, University of Maryland Biotechnology Institute, Columbus Center, 701 East Pratt Street, Baltimore, MD 21202 U.S.A.**

VACCINE AND TECHNOLOGY ADVISOR/PROGRAM MANAGER. Maintain long-term strategy and implementation plan for U.S. Agency for International Development's (USAID) efforts to accelerate the development and utilization of new and/or improved vaccines, as well as low-cost health and nutrition technologies for use in the developing world. Will work in team that is responsible for coordinating USAID's participation in the Global Alliance for Vaccines and Immunizations. Serves as a liaison with the Gates Foundation. Candidate will have an advanced degree (prefer Ph.D., M.D., or equivalent) in physical science, engineering, or biological or international public health plus experience in international public health or family planning. Demonstrated ability to collaborate with multiple partners, e.g., UN organizations, multilateral/bilateral organizations, nongovernmental organizations, and foundations. Position located at USAID, Washington, D.C. and contracted through The Centre for Development and Population Activities, Technical Advisors in AIDS and Child Survival (TAACS) program. *Position requires U.S. citizenship.* Security clearance will be required. Excellent benefits. Send résumé, references, and salary history. FAX to: **202-332-4496 or e-mail to: jobs@cedpa.org. Affirmative Action/Equal Opportunity Employer.**

SCIENTIST

**Department of Surgery
Thomas Jefferson University
Philadelphia, Pennsylvania**

A Ph.D. Scientist position is available in the Department of Surgery of Thomas Jefferson University in Philadelphia, Pennsylvania. The successful candidate will collaborate with the Chairman of the Department in the investigation of the influence of growth factors on pancreatic islet cell ontogeny. The position also offers the opportunity to mentor surgical residents during their basic science laboratory experience. A strong background in developmental cell biology and molecular biology is required. The academic appointment will be commensurate with qualifications and experience. Please send curriculum vitae and the names of three references to: **Dr. Donald C. Dafoe, Chairman, Department of Surgery, Thomas Jefferson Medical College, 1025 Walnut Street, Suite 506 College Building, Philadelphia, PA 19107. Thomas Jefferson University is an Equal Opportunity Employer.**



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For further details,
please contact
kmc international search
and selection, at

DGSFI@kmcinternational.co.uk
or 7 Old Park Lane, London
England W1K 1QR

The closing date for
expression of interest is
Friday 1 September and
for applications,
Friday 8 September.

**kmc international
search & selection**

**Beatson Institute for
Cancer Research, Glasgow**

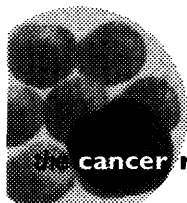
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The salary will be on the MRC band 2 scale (£29,362 - £70,000 p.a.), depending on experience, with a likely minimum of £35,000 p.a. The resources available include research posts from core resources with space for expansion for further staff on outside funding.

Applications, including CV, list of publications and the names of three referees, should be sent to Professor P.R. Harrison, Assistant Director (Research), The Beatson Institute for Cancer Research, Garscube Estate, Switchback Road, Bearsden, Glasgow G61 1BD, Scotland.



the cancer research campaign

POSITIONS OPEN

POSTDOCTORAL POSITION

Position available to study the pancreatic Beta cell and/or diabetic cardiomyopathy. The Postdoctoral Fellow will characterize cardiac or Beta cell function in transgenic models already developed (*J. Biol. Chem.* 1996; *J. Clin. Invest.* 1997; *Free Rad. Biol. Med.* 1999). The Fellow will also produce new transgenic models. Experience with rodent islet function or rodent cardiac perfusion desired. Very good written and spoken English required. Please send curriculum vitae and names of three references to: **Dr. Paul N. Epstein, Department of Pharmacology, Physiology, and Therapeutics, University of North Dakota School of Medicine and Health Sciences, P.O. Box 9037, Grand Forks, ND 58202-9037. The University of North Dakota is an Equal Opportunity Employer.**

POSTDOCTORAL POSITION IN MICROARRAY APPLICATION

Neo Gen Screening, a private laboratory specializing in detection of inborn metabolic diseases, has a two-to-three-year Postdoctoral position investigating the application of microarray technology to high-throughput screening. Candidates with recent Ph.D. or M.D. and a strong background in molecular biology are desired. Experience with microarrays a plus. Send curriculum vitae and three references to: **Dr. Steven F. Dobrowolski, Director of Molecular Research, Neo Gen Screening, 110 Roessler Road, Pittsburgh, PA 15220. E-mail: sdobrowolski@neogenscreening.com. Neo Gen Screening is an Equal Opportunity Employer.**

POSTDOCTORAL POSITION. A position is available immediately to investigate ETS domain transcription factors in the mammalian serotonergic neurotransmitter system (*J. Neurosci.* 19:10348, 1999). Molecular genetic loss of function/gain of function approaches will be used. Experience with molecular and histological methods is preferable. Interested applicants should submit curriculum vitae and three letters of recommendation, preferably electronically, to: **Dr. Evan Deneris, Case Western Reserve University, School of Medicine, Department of Neuroscience, Cleveland, OH 44106. Telephone: 216-368-8725; e-mail: esd@po.cwru.edu. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITIONS are available immediately to study (1) the mechanism of CTG repeat expansion using prokaryotic and transgenic mouse model systems (*Cell* 95:531-540, 1998) and (2) the molecular basis of myotonic dystrophy (*Nature Genetics* 13:325-335, 1996; *Nature Genetics* 25:1110-1114, 2000). Candidates should have a Ph.D. degree with a background in molecular biology or biochemistry. Applicants should send curriculum vitae, brief description of research interests, and names of three references to: **S. Reddy, University of Southern California, IGM-240, 2250 Alcazar Street, Los Angeles, CA 90033. E-mail: sitaredd@hsc.usc.edu. FAX: 323-442-2764.**

A POSTDOCTORAL POSITION is available to study the mechanism of DNA replication in eukaryotes using archaea as a model system. Knowledge of biochemistry is essential. Applicants should send curriculum vitae and names of three references to: **Zvi Kelman, Ph.D., Center for Advanced Research in Biotechnology/University of Maryland Biotechnology Institute, 9600 Gudelsky Drive, Rockville, MD 20850. FAX: 301-738-6255. CARB is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.**

Funded POSTDOCTORAL POSITION available to study the trafficking and nonclassical secretion of medically important proteins from mammalian and bacterial cells. Must have a Ph.D. and a strong background in molecular biology and either cell biology or bacteriology. E-mail or FAX résumé with names of three references to: **Steve Chuck, Molecular Medicine Unit, Beth Israel Deaconess Medical Center and Harvard Medical School. E-mail: schuck@caregroup.harvard.edu; FAX: 617-667-8040.**

POSITIONS OPEN

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EMPLOYMENT AT OAK RIDGE NATIONAL LABORATORY

Postdoctoral Opportunity: Microarray Technology ORNL Postdoctoral Research Associates Program

Applications are invited for a Postdoctoral position in the Environmental Sciences Division (**website: <http://www.esd.ornl.gov>**) at the Oak Ridge National Laboratory (ORNL) (**website: <http://www.ornl.gov>**) for the individuals who have training in chemistry, biochemistry, biophysics, and molecular microbiology. The individual will participate in development of oligonucleotide microarrays for environmental studies.

Candidates must have a Ph.D. degree with demonstrated experience in nucleic acid chemistry, surface chemistry, gene probe development, and/or molecular microbial ecology. Additional experience is desired in microarray technology, especially oligonucleotide microarrays, bioinformatics, and 16S rRNA analysis. Successful applicants will work cooperatively with scientists at ORNL, Michigan State University, Pacific Northwest National Laboratory, and/or Argonne National Laboratory.

Interested candidates should send curriculum vitae, a description of research accomplishments and interests, and the names and telephone numbers of three references to: **Dr. Jizhong Zhou, Oak Ridge National Laboratory, P.O. Box 2008, Oak Ridge, TN 37831-6038. Telephone: 865-576-7544; FAX: 865-576-8646; e-mail: zhoulj@ornl.gov. Applications will be accepted until August 31, 2000, or until the position is filled.**

The appointment will be offered through the ORNL Postdoctoral Research Associates Program. The salary will be very competitive. *The program is open to all qualified U.S. and non-U.S. citizens without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.*

POSTDOCTORAL POSITION available in the laboratory of **Dr. Ernest Hamel, Screening Technologies Branch, National Cancer Institute, National Institutes of Health.** Candidates must have received their Doctoral degree within the last five years. Interests of the laboratory are mechanisms of cell division, particularly microtubule structure and function, and study of pharmacological agents that interfere with cell division. Stipends range from \$31,500 to \$42,910 contingent upon relevant postdoctoral experience. Benefits include paid health insurance. Interested candidates should submit curriculum vitae with bibliography to: **Dr. Hamel, NCI-FCRDC, P.O. Box B, Building 469, Room 237, Frederick, MD 21702-1201. E-mail: hamel@dc37a.nci.nih.gov. NIH is an Equal Opportunity Employer.**

NIH-funded POSTDOCTORAL POSITION to study signal transduction of paracrine growth factors during corneal wound healing. The significance of the protein kinases PI-3K, AKT, and PKC isoforms in the modulation of wound healing is investigated. There are an exceptional research infrastructure and environment and good interactions with other research groups. Experience in biochemistry, molecular biology, and cell culture is required. Send curriculum vitae and names of three references to: **Dr. Haydee E. P. Bazan, Department of Ophthalmology and Neuroscience Center, 2020 Gravier Street, Suite D, New Orleans, LA 70112. Telephone: 504-599-0877; FAX: 504-568-5801; e-mail: hbazan1@lsuhsc.edu.**

POSITIONS OPEN

PHILLIP G. NELSON, M.D., PH.D. LABORATORY OF DEVELOPMENTAL NEUROBIOLOGY

POSTDOCTORAL POSITION for an intramural research training award or a Visiting Fellowship. The molecular and cell biological mechanisms underlying activity-dependent synapse elimination are being investigated using biochemical, electrophysiological, and high-resolution imaging methods. Salary: over \$28,000 per annum, depending on experience. Position available October 1, 2000. Applicants must have a Ph.D. and/or M.D. and less than five years of postdoctoral experience. Contact: **Section on Neurobiology, Laboratory of Developmental Neurobiology, NICHD, Building 49, Room 5A38, MSC 4480, Bethesda, MD 20892. Telephone: 301-496-1463; FAX: 301-496-9939; e-mail: pgnelson@codon.nih.gov. NIH is an Equal Employment Opportunity Employer.**

POSTDOCTORAL POSITIONS: Chemist and Molecular Biologist/Enzymologist. Ambitious Ph.D.s in chemistry with experience in nucleotide chemistry and interest in developing skills in biochemistry and enzymology and in biochemistry or related field with experience in molecular biology and an interest in the enzymology of signal transduction. Projects include structure/function of adenyl cyclases and enzymes involved in nucleoside 3'-polyphosphate metabolism, and the development and use of nucleotide prodrugs to regulate function, growth, and development in isolated cells and tissues. Send curriculum vitae, a statement of research interests, and the names of three references to: **Roger A. Johnson, Ph.D., Department of Physiology and Biophysics, SUNY/Health Sciences Center, Stony Brook, NY 11794. E-mail: rjohnson@ms.cc.sunysb.edu; website: www.pnb.sunysb.edu/faculty/johnson/johnson.htm. An Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL RESEARCH POSITION UNIVERSITY OF PENNSYLVANIA

A Postdoctoral position is available to conduct research on Kaposi's sarcoma-associated herpes virus (KSHV). Emphasis is on viral immediate-early genes and their roles in viral reactivation. A strong background in molecular virology or cell biology is preferred. Interested applicants should contact: **Dr. Yan Yuan, Department of Microbiology, University of Pennsylvania School of Dental Medicine, 4010 Locust Street, Philadelphia, PA 19104. E-mail: yuan2@pobox.upenn.edu. Include your curriculum vitae, a list of publications, and the names of three references. To learn more about research in our laboratory, please visit our website: <http://www.med.upenn.edu/camb/fac/Yuan.html>.**

POSTDOCTORAL POSITIONS immediately available to study insulators/chromatin boundaries, a special class of regulatory DNA that modulates chromosomal structure and gene activity. The NIH-funded projects include molecular, genetic, and biochemical study of insulators and their protein components in gene regulation and other cellular functions in *Drosophila*. Recent Ph.D. with molecular biology and molecular genetic skills is preferred. E-mail applications, curriculum vitae, and names of three references to: **Dr. Haini N. Cai, Department of Cellular Biology, The University of Georgia, 724 Biological Sciences, Athens, GA 30602 U.S.A. E-mail: hcai@arches.uga.edu.**

Two **POSTDOCTORAL POSITIONS** available to study regulation of synaptic transmission by G-proteins and other forms of synaptic plasticity using gene transfer, imaging, and electrophysiological techniques. Fellows will have the opportunity to develop an independent research program and interact with a diverse and expanding neuroscience community. Send curriculum vitae, cover letter, and the names of three references to: **Nevin A. Lambert, Department of Pharmacology and Toxicology, Medical College of Georgia, Augusta, GA 30912-2300. E-mail: nlambert@immg.mcg.edu. Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL POSITIONS immediately available in cardiovascular gap junction (connexin) research. Our laboratories study the contribution of intercellular channels, present at gap junctions, to vascular function and/or growth control. Projects are available to examine the functional and developmental phenotypes of recently generated connexin knockout mice. Site-directed mutagenesis and subsequent biophysical studies of channel function in transfected cell lines complement cell, organ, and animal studies. Candidates selected may use a variety of approaches, including molecular biology, immunohistochemistry, electrophysiology, primary cell culture, and vasomotor response measurements. Candidates must possess a Ph.D. and/or M.D. degree or equivalent, with interests in cardiovascular or cancer biology. Prior training in molecular biology, cell biology, electrophysiology, or vasomotor response measurements is advantageous. Please send curriculum vitae and the names and addresses of three references to: **Dr. Janis Burt and Alex Simon, Position Number 994580, Department of Physiology, P.O. Box 245051, University of Arizona, Tucson, AZ 85724-5051.** Review of applications will begin September 1, 2000, and continue until the positions are filled. *The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer; Minorities/Women/Disabled/Veterans.*

POSTDOCTORAL POSITIONS AVAILABLE

Three Postdoctoral positions are available through a Veterans Administration (VA) Research Enhancement Award Program (REAP) grant titled "Cellular Activation in Prostate Cancer." The investigators are VA and University of Iowa faculty, who are engaged in a variety of research projects in prostate cancer. The investigators and their projects are **Dr. Gail A. Bishop**, who will investigate "Mechanisms and Consequences of CD40 Signaling in Prostate Cancer Cells;" **Dr. Michael Cohen**, who will investigate "Dopamine Receptor Signaling: Mechanism of Androgen Independence;" and **Dr. David M. Lubaroff and Dr. Arthur Kreig**, investigating "Mechanisms of CpG Augmentation in Antitumor Immunity." Salary and fringe benefits are competitive. The institutions are in Iowa City, Iowa, a lovely university town in eastern Iowa. Applicants must hold a Ph.D., M.D., or equivalent doctoral degree and be U.S. citizens or permanent residents of the United States. Please send curriculum vitae and the names of three references to: **David M. Lubaroff, Ph.D., Department of Urology, University of Iowa, 423 MRC, Iowa City, IA 52242.** *The federal government is an Equal Opportunity Employer.*

POSTDOCTORAL ASSOCIATE NORTH SHORE/LONG ISLAND JEWISH HEALTH SYSTEM

A position is currently available in the Department of Medicine at the Long Island Jewish Medical Center, the clinical campus for the Albert Einstein College of Medicine. The successful candidate will participate in ongoing research focused upon brainstem and forebrain mechanisms of cardiovascular control associated with long-term hypoxic exposure. Preference will be given to candidates with recognized expertise in neurophysiological and neuroanatomical techniques. Correspondence (résumé and references) should be addressed to: **Anthony L. Sica, Ph.D., Department of Medicine, Pulmonary and Critical Care Division (Room C-20), Long Island Jewish Medical Center, New Hyde Park, NY 11040.** E-mail: asica@snet.net.

POSTDOCTORAL POSITIONS available for two projects. We are investigating the roles of basic fibroblast growth factor in breast cancer development and potentiation of programmed cell death signaling by retinoids in cancer cells. Send curriculum vitae to: **Robert Wieder, M.D., Ph.D., Division of Medical Oncology/Hematology, University of Medicine and Dentistry of New Jersey-New Jersey Medical School, MSB 1-594, 185 South Orange Avenue, Newark, NJ 07103.** FAX: 973-972-2384; e-mail: wiederro@umdnj.edu. *Permanent residency or valid visa required.*

POSITIONS OPEN



POSTDOCTORAL POSITION BEHAVIORAL NEUROSCIENCE

Georgia State University is engaged in a major expansion of its research and instructional programs in behavioral neuroscience as part of the recently launched NSF Science and Technology Center for Behavioral Neuroscience. Generous state and institutional funds, along with \$20 million dollars from the National Science Foundation, have been committed to fund the Center for the first five years. The Center is a consortium of more than 60 neuroscientists from Georgia State and other Atlanta-area universities. The purpose of the Center is to foster interdisciplinary collaborative approaches toward understanding the basic neural mechanisms underlying the regulation of complex social behaviors and emotions.

The Center for Behavioral Neuroscience at Georgia State University invites applications for Postdoctoral Fellows in behavioral neuroscience. Applicants must hold an M.D. or Ph.D. Successful applicants will be those who are committed to developing an interdisciplinary approach for addressing questions fundamental to behavioral neuroscience. For more information and a list of faculty and their research interests, see our website: <http://www.cbn-atl.org/>.

Applications should include (1) official copies of your undergraduate and graduate transcripts, (2) curriculum vitae listing publications and abstracts presented at scientific meetings, (3) a statement regarding your goals for a career in behavioral neuroscience and how a Center Postdoctoral Fellowship will help achieve these goals, and (4) three letters of recommendation. Send applications to:

Dr. H. Elliott Albers
Postdoctoral Search Committee
Georgia State University Employment Office
Job Number 1078
Atlanta, GA 30303-3083

Georgia State University, a unit of the University System of Georgia, is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL AND RESEARCH ASSOCIATE POSITIONS Gene Therapy and Molecular Virology

Gene therapy and molecular virology laboratory with research projects that include fundamental studies on adeno-associated virus (AAV) entry as well as AAV vector targeting and therapeutic gene delivery is seeking highly motivated individuals to fill Postdoctoral and Research Associate positions. Proficiency in advanced molecular biology and tissue culture techniques is required. Research experience in virology, especially AAV virology, or vector targeting is highly desirable. Competitive salary with full benefits is available to the successful candidates. Send letter of application, curriculum vitae, and names and contact details of three references to: **Dr. Jeffrey S. Bartlett, Children's Hospital Research Institute, Room W531, 700 Children's Drive, Columbus, OH 43205.** E-mail: Bartlettj@pediatrics.ohio-state.edu.

POSTDOCTORAL POSITIONS available to study two important groups of genes (the polycomb and trithorax group genes) necessary for epigenetically stable gene silencing and activation, respectively. Genetic and biochemical approaches are used to study the functions of known genes and to discover new members of these groups in *Drosophila*. These positions are available in the laboratories of **Dr. Judy Kassiss**, section on gene expression, and **Dr. James Kennison**, section on *Drosophila* gene regulation in the laboratory of molecular genetics, NICHD, NIH, in Bethesda, Maryland. Applicants should submit a statement of interest, curriculum vitae, and a list of three references to: **Dr. Judy Kassiss** (e-mail: jk14p@nih.gov) or **Dr. James Kennison** (e-mail: Jim_Kennison@nih.gov), Building 6B/Room 3B-331, 9000 Rockville Pike, Bethesda, MD 20892-2785. *NIH is an Equal Opportunity Employer.*

POSITIONS OPEN

VIRAL IMMUNOLOGY University of Nebraska-Lincoln

A **POSTDOCTORAL RESEARCH POSITION** is available to join our NIH-funded research group studying the mechanisms of viral evasion of immune responses during persistent viral infections and the development of intervention strategies. The selected individual will conduct research exploiting *Salmonella* antigen delivery vectors to examine *in vivo* and *ex vivo* approaches to clear persistent viral infections in animals (**Russman et al. Science 281:565**) and characterize HCV mechanisms of immune evasion. A Ph.D. degree and a record of productive experience in immunology, virology, or cell and molecular biology are necessary. Curriculum vitae and three letters of reference should be sent to:

Dr. Ruben Donis
Department of Veterinary and Biomedical Sciences
University of Nebraska-Lincoln
P.O. Box 830905, 202 VBS
Lincoln, NE 68583-0905
Telephone: 402-472-6063
FAX: 402-472-9690
E-mail: RDONIS@UNLNOTES.UNL.EDU

Review of applications will begin September 8, 2000, and will continue until an acceptable candidate is found. *The University of Nebraska is committed to a pluralistic campus community through Affirmative Action and Equal Opportunity. We assure reasonable accommodation under the Americans With Disabilities Act; contact Dr. Donis for additional information (Telephone: 402-472-6063).*

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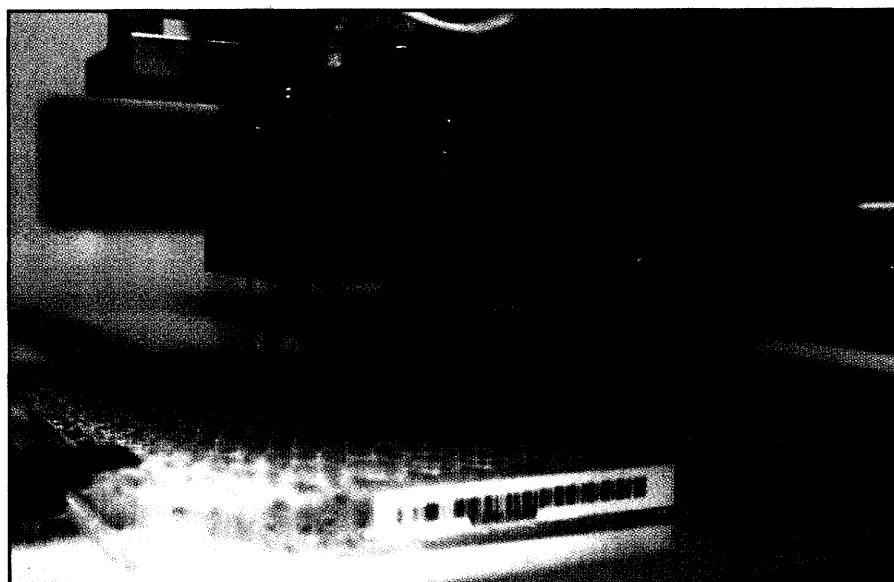
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