NEW PRODUCTS

myCgiScripts Chetter Group, Inc

Stamford, CT 203-747-1954 (ext. 376) Pricing varies per module www.mycgiscripts.com

ENHANCING WEB SERVICES

Labs often wish to maintain a Web server to share data and other information with colleagues. Adding useful functions to Web sites, such as site search capabilities, file uploads, and e-mailing lists, requires the installation of specialized

server programs called Perl scripts. MyCgiScripts is one source of such Perl scripts, including programs such as the following:

Links Extended, which runs on Unix, Windows, and Macintosh operating systems, allows the Web administrator to create a Yahoo-like set of directories of links and makes it easy to maintain them. The directories can be either dynamic (to allow changes to be implemented immediately) or static (to minimize the load on the server), and hits on directory pages can be tracked. Site and Web search functions are included, as is rating of links by visitors. Although its price of \$250 includes an extensive list of features and 60 days of support, its cost does not compare well with a similar script from www.gossamer-threads.com.

FormMail Pro, one of the free software modules, allows one to create forms on a Web site and have the results e-mailed to a specified address. This script is suitable for sites that have only a few simple forms. For sites on a Unix server that have complicated forms, better options include ennyForms (http://dtp-aus.com/cgiscript/allcgi.shtml) or Soupermail (http://soupermail.sourceforge.net).

Meta Search, another free module, provides functions to search the Web using multiple search engines simultaneously. However, the engine does not seem to handle complex searches and often returns a "no matches" result from queries that, if sent to the individual search engines directly, would return many useful responses.

Account Manager Lite, also free, makes it easy to assign and maintain passwords to multiple protected directories on a site. But Customers Control Panel is a more sophisticated script that allows the administrator not only to password-protect directories easily but also to deliver personalized pages to users upon log in. The module can also help limit user access to certain files and areas of the Web site. It runs on Unix and Windows and costs \$100.

Faq Manager gives an administrator tools to manage frequently asked questions (FAQs). For a price of \$60, the administrator can easily add, delete, and modify topics and questions and answers within the topics.

To install and use scripts, a user must have programming knowledge of Unix, Perl, and HTML. Installation is not straightforward. No script is provided to automate the process, and documentation is sometimes poor. If users prefer, myCgiScripts will install their scripts on a Windows or Unix server for a fee of \$35 per hour. They will also modify scripts at the same hourly rate.

--Terry Turner

University of Kansas Medical Center, Kansas City, KS 66160–7116, USA. E-mail: tturner@kumc.edu

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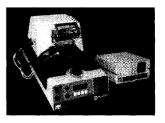
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gonomic layout of all controls. The DM LA offers the automation of a large research microscope on a small, affordable platform. All important microscope functions such as magnification change, illumination intensity, aperture settings, nosepiece control, focusing, and z-axis focus are motorized and can be microprocessor-controlled. Automation is achieved via Windows software control, and the DM LA can be integrated with many image anal-

ysis software platforms. The microscope is easily adapted to the size of the user thanks to the separate satellite remote control unit. The remote control unit allows the user to freely position and control the microscope remotely for biohazard or hot cell situations or routines that require a remote user interface.

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The STEM RS6000 Reacto Station heating and stirring dry bath is designed to meet the needs of scientists in the fields of combinatorial chemistry, chemical synthesis, biotechnology, process development, and optimization. The RS6000 reactions and incubations are performed

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high speed. With this design, the sensor and heater are positioned close to the sample (for high resolution), while the outer heat sink provides a controlled thermal environment (maintaining the

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The Proteomics Connection is a 60-page specialty catalog designed as a one-stop reference for proteome analysts wishing to simplify cell lysis, total protein determination, general and specific protein staining, protein immunoblot detection, and protein:protein interaction analysis.

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Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by Science or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Reader Service Card and placing it in a mailbox. U.S. postage is free.



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POSITIONS OPEN

BIOLOGY ASSISTANT PROFESSOR: Penn State Eric, The Behrend College, invites applications for a tenure-track position to begin either January or August 2002. Applicants must have a strong commitment to undergraduate teaching. We seek a Ph.D. Ecologist to teach evolutionary biology, comparative anatomy, upper-division courses in the area of expertise, and core biology courses. The successful candidate will have the potential to develop an externally funded research program involving undergraduates. The nine faculty members in the Biology Program conduct research in aquatic ecology, animal physiology, molecular biology, developmental biology, and genetics. The position is open to candidates in any area of ecology.

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Erie, a metropolitan area of 280,000, is a tourism, service, and industrial center located on Lake Erie's beautiful Presque Isle Bay, two hours from Cleveland, Ohio, Pittsburgh, Pennsylvania, and Buffalo, Netw York. The region has a wide variety of cultural, sports, and recreational resources including five colleges. Residents enjoy modest living costs and affordable housing.

Send curriculum vitae; copies of graduate and undergraduate transcripts; teaching and research statements; and names, addresses, telephone numbers, and e-mail addresses of three references to: Dr. Roger Knacke, School of Science, Department BIOL-N, Penn State Erie, Station Road, Erie, PA 16563-0203. Application deadline is September 30, 2001, or until the position is filled. Affirmative Action/Equal Opportunity Employer.

TWO FACULTY POSITIONS City University of New York College of Staten Island

The Department of Chemistry invites applications for two anticipated tenure-track faculty positions beginning in September 2002. (1) As part of a major hiring initiative to augment existing disciplinary strengths in photonics at several campuses of The City University of New York (CUNY), we seek a Chemist pursuing research in polymer synthesis/characterization. (2) To complement our present focus on polymer and biopolymer research, we seek a Chemist with interests in biomaterials, biopolymers, or nanotechnology. Hiring is preferred at the ASSISTANT PRO-FESSOR level; applicants with substantial research accomplishments and external grant support may be considered at the ASSOCIATE PROFESSOR level. Candidates must hold a Ph.D. in chemistry with postdoctoral experience preferred. Each successful applicant will be expected to establish a vigorous, externally funded research program and demonstrate a sustained commitment to undergraduate and graduate teaching. Faculty members will have access to extensive facilities for polymer characterization and structural analysis at The College of Staten Island and throughout CUNY. They will participate in cross-college Doctoral programs at the CUNY Graduate Center; activities of the Photonics Device Center at City College in Manhattan; and initiation of the CUNY Institute for Polymers, Engineered Materials, and Biopolymers. Submit a letter of application specifying Position One or Two, curriculum vitae, list of publications, detailed research plan, statement of teaching philosophy, and three letters of reference to: Professor John F. Olsen, Chair, Department of Chemistry, CUNY College of Staten Island, 2800 Victory Boulevard, Staten Island, NY 10314. Review of applications will begin November 1, 2001, and continue until the positions are filled.

POSITIONS OPEN

FACULTY POSITION Department of Pathology and Laboratory Medicine University of Pennsylvania

The Department of Pathology and Laboratory Medicine at the University of Pennsylvania invites applications for a faculty position in the Clinician-Educator (nontenure) or tenure track in the Blood Bank/Transfusion Medicine Section of the Division of Laboratory Medicine; available immediately. Rank (ASSISTANT/ASSOCIATE/FULL PROFES-SOR) will be commensurate with experience. Candidates must hold M.D. or M.D./Ph.D. degrees and be Board eligible or Board certified in clinical pathology, internal medicine, or pediatrics. Successful applicants will be dynamic individuals with strong backgrounds in the scientific, clinical, and technical aspects of transfusion medicine. They will be expected to further develop our expanding research program in transfusion biology and medicine. The environment for collaborative research within the Department and at the University of Pennsylvania is outstanding, including the presence of the Abramson Family Cancer Research Foundation and the Institute for Medicine and Engineering. Please submit curriculum vitae, a statement describing previous experience, and the names of three references to: Don L. Siegel, Ph.D., M.D., Chair of the Search Committee, Department of Pathology and Laboratory Medicine, University of Pennsylvania, Room 510 Stellar-Chance Building, 422 Curie Boulevard, Philadelphia, PA 19104-6082. The University of Pennsylvania is an Affirmative Action/Equal Opportunity Employer. Women and minorities are strongly encouraged to apply.

ASSISTANT PROFESSOR Department of Biochemistry and Molecular Genetics

University of Colorado Health Sciences Center

We are seeking a Biochemist for a tenure-track faculty position. Preference will be given to candidates whose research addresses mechanistic issues from a biochemical, biophysical, or structural perspective. Candidates should have an exceptional record of research accomplishments and will be expected to pursue a vigorous, independent research program. Candidates are expected to contribute to the teaching program of the Department. Applicants should submit curriculum vitae, a statement of research plans, and should also arrange to have three letters of reference forwarded to:

Faculty Search Committee
Department of Biochemistry
and Molecular Genetics
Box B-121
University of Colorado Health Sciences Center
4200 East Ninth Avenue
Denver, CO 80262

For full consideration, completed applications should be received by November 21, 2001. Learn more about our department at website: http://www.uchsc.edu/sm/bbgn/. The University of Colorado Health Sciences Center is committed to Equal Opportunity and Affirmative Action.

ASSISTANT PROFESSORSHIPS INORGANIC, ORGANIC, AND PHYSICAL CHEMISTRY Harvard University

Department of Chemistry and Chemical Biology

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: Chair, c/o Ms. Carol Gonzaga, 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.



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This position will be responsible for staffing and leading a multi-disciplinary technology enterprise that will support Discovery Biology in the pursuit of drug candidates. This organization will include Cell & Molecular Biology, Pro-ein Chemistry, Assay Development, Expression Technologies and In Vivo Pharmacology. Candidates should have a PhD with 10 or more years of industrial experience in the design and development of drug candidates, with outstanding productivity as demonstrated by patents, relevant publications, and/or products in clinical development. Excellent leadership and communication skills are required.

DIRECTOR/SENIOR DIRECTOR - DISCOVERY BIOLOGY

This position will be responsible for building and running an organization that will discover and process therapeutic targets for the production of quality drug candidates. Candidates should possess a PhD and have 10 or more years of experience in the discovery and validation of novel therapeutic targets for inflammatory disease. Industrial experience is not essential but will be highly regarded. The candidate must be a recognized authority in his or her field as evidenced by a significant publication record. Excellent leadership and

DIRECTOR - IMMUNOLOGY

Responsible for heading up drug discovery efforts in the area of immunclogical disorders. Candidates should have a PhD with at least 8 years of experience in an area of immunology, preferably including some background in lymphocyte biology. A significant publication record is essential, and prior industrial experience including discovery and development of clinical candidates is a plus.

SCIENTISTS – MOLECULAR BIOLOGY

Multiple opportunities are available. Candidates should be capable of working in a team environment and possess a PhD with 2-6 additional years of experience in antibody engineering including affinity maturation, humanization and modifying circulating half-life of antibodies.

DIRECTOR – ALLERGY RESEARCH

This position will be in charge of discovery of therapeutic targets and drug candidates in allergic disease. Candidates should have a PhD with at least 8 years of experience that includes some aspect of B-cell, mast cell or basophil biology, or experimental models of allergic disease. A significant publication record is essential, and prior industrial experience including discovery and development of clinical candidates is a plus.

DIRECTOR – EXPRESSION TECHNOLOGIES

This position will run a team that is responsible for optimizing heterologous expression of recombinant proteins. Hands-on experience with both prokaryotic and eukaryotic systems is preferred. Candidates should possess a PhD with at least 8 years of experience or a BS/MS with significant industrial

DIRECTOR – ASSAY DEVELOPMENT

Responsible for a team focused on the design and implementation of assays for the discovery of biological and small molecule leads. Prior screening experience is essential, and some automation background is preferred. Candidates should have a PhD with at least 8 years of experience or a BS/MS with equivalent industrial experience.

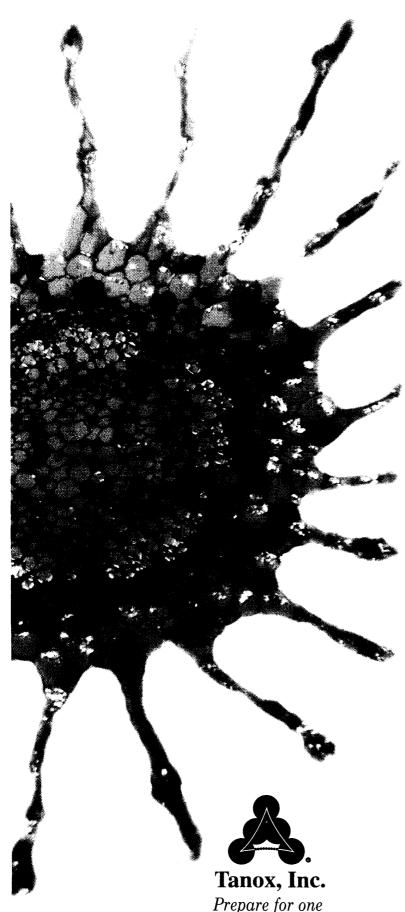
Manager – Program Management

Responsible for assessing & driving progress of project teams in a fast-paced drug discovery effort. Candidates must have a BA/BS (MBA preferred) with at least 3 years of experience managing the development of cutting-edge technologies. Keen analytical skills are required. A background in the pharmaceutical industry is not essential, but basic knowledge of life sciences is helpful.

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STRUCTURAL BIOLOGY GROUP

PhD Protein NMR Biochemist

We seek a versatile biochemist experienced in the use of NMR for protein structure determination to join our structural biology group. In addition, the scientist will be skilled in using NMR to analyze the structure and dynamic behavior of small organic molecules. He/she will participate in both the characterization of recombinant proteins and in small molecule drug discovery and design. Responsibilities include overseeing a NMR facility with 300, 400 and 600 MHz magnets, performing NMR experiments on proteins in support of protein characterization and small molecule drug design studies, and training chemists in the use of multidimensional NMR for small molecule characterization. Experience/facility with any or all of the following is a plus: LC/NMR; metabolite analysis; anisotropic systems; elucidation of protein glycosylation; and relevant systems management. Job Code: RC-B494-SCI

Successful candidates for both positions will work well in a collaborative environment and exhibit strong technical leadership and excellent communication skills.

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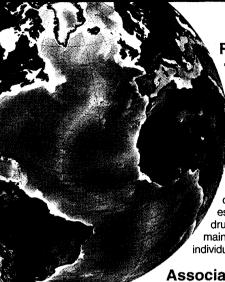
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The Division of Human Biology at the Fred Hutchinson Cancer Research Center is soliciting applications to fill an open junior faculty position in the areas of genomics and human genetics. Applicants with outstanding accomplishments, particularly in the areas of complex disease-gene mapping, population genetics, large scale approaches to functional genomics, proteomics, or bioinformatics are encouraged to apply. The Human Biology Division fosters interdisciplinary, collaborative research at the interfaces of basic. clinical, and population sciences to further our understanding of human biology, cancer, and other complex human disorders. The Division occupies state-of-the-art research laboratories on a new lakeside campus. The Center offers outstanding shared resources, including DNA array and sequencing facilities. The Center has active graduate-student and postdoctoral training programs and offers exceptional opportunities for scientific interactions with other investigators in the Seattle area. Additional information about the Division can be found at http://www.fhcrc.org/ science/human biology/

Candidates should send a curriculum vitae, a concise statement of research plans, and three letters of reference to: Human Biology Faculty Search Committee, Fred Hutchinson Cancer Research Center, Division of Human Biology, Mailstop: C3-168, 1100 Fairview Avenue North, P.O. Box 19024, Seattle WA 98109-1024. The application deadline is September 30, 2001.

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Associate Research Scientist

Job Code: SM/0824/MS/2718

BS/MS degree preferred with 2 years' experience in an academic laboratory and 1 year of pharmaceutical industry experience. Knowledge of cell biology/molecular biology required, including DNA vector construction, transient & stable transfection of mammalian cell lines, quantitative PCR, RNA & DNA isolation from cell/tissue samples, and Southern/Northern/Western blot analysis. Biochemistry background necessary, including protein expression/purification in bacterial and mammalian or insect cells, receptor binding assays, ELISA, and enzyme assays. You will design/set up cell based reporter gene assays for screening drug candidates, design protein/receptor binding assays & ELISA, and express/purify mammalian proteins. Additionally, the individual will participate in validation of novel genes and perform quantitative PCR screens for changes in gene expression in cell/tissue samples.

Associate Research Scientist I/II (Bioinformatics)

Job Code: SM/0824/MS/T100

BA/BS or MS in computer science, engineering, genetics or related field preferred, along with 1+ years of bioinformatics experience in genomics and/or high throughput molecular biology laboratory. Must be proficient in a combination of the following: Perl, Oracle, SQL, CGI, HTML and Java. Experience with UNIX operating systems is essential. This position will support the high throughput SNP genotyping operation in the pharmacogenomics group. Responsibilities will include organizing genotyping data, data analysis, genomic database mining and support for internal SNP discovery.

Research Investigator

Job Code: SM/0824/MS/4760

Ph.D. in Biology and 2-3 years of postdoctoral experience required. Must have knowledge and experience in assay design for high throughput screening. Experience with state-of-the-art HTS equipment, quality control, data analysis and method development is preferred. Will be responsible for the design, execution, and analysis of high throughput screening assays while working in a multidisciplinary team. Responsible for advising collaborators in disease management areas on HTS techniques.

Research Investigator I/II

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A highly motivated interactive scientist with a Ph.D in molecular biology/cancer genetics and 1-3 years' postdoctoral experience is sought to lead programs in the area of pharmacogenetics and cancer. Strong communication skills and knowledge in the area of cancer genomics are essential. Experience with microarrays and analysis of genomic data is preferred. The candidate will spend up to 70% of their time in the lab supervising associates and managing multiple scientific projects. Additional responsibilities include analyzing large data sets using statistical and bioinformatics tools.

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Please reference job code.



CHAIR DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

Applications and nominations are invited for the position of CHAIR of the Department of Biochemistry and Molecular Biology at the University of North Dakota School of Medicine and Health Sciences. We seek an outstanding biomedical scientist with excellent extramural research support who can provide effective leadership and mentoring in research, teaching and service. The Department currently has six faculty members and the new chair will have the opportunity to immediately recruit faculty for two new positions. The Chair will oversee a department actively carrying out research in signal transduction, membrane transporter regulation, drug resistance mechanisms in human pathogens, molecular biology of SV40, enzyme and metabolic regulation, and protein/protein interactions. The Department offers M.S., Ph.D., and M.D./Ph.D. degrees. Faculty members participate in traditional graduate education and a new medical school curriculum that emphasizes patientcentered learning. Undergraduate courses are provided to pre-med and allied health students as well as other non-majors. Further information about the Department is available at: http://www.med.und.edu/bimd/biochem.html

The University of North Dakota is committed to doubling its research funding and achieving the Carnegie classification of "Doctoral/Research Universities -Extensive" by 2006. The University is located in Grand Forks and currently enrolls 11,000 students. Grand Forks is a family-friendly community located in a region offering excellent and rapidly expanding cultural, recreational, and sporting activities. To learn more about the University of North Dakota and Grand Forks visit: http://www.und.edu and http://www.grandforksgov.com. Review of applications will begin immediately, and the search will remain open until the position is filled. Applicants should submit a detailed curriculum vitae that includes a history of research funding, statements addressing administrative philosophy and teaching interests, and the names and addresses of three references to: Dr. Edward C. Carlson, Professor and Chair of the Department of Anatomy and Cell Biology and Chair of the Search Committee, c/o Office of the Dean, School of Medicine and Health Sciences, University of North Dakota, Box 9037, Grand Forks, North Dakota, 58202-9037.

The University of North Dakota is an Equal Opportunity/
Affirmative Action institution



CHAIR

DEPARTMENT OF CELL BIOLOGY DUKE UNIVERSITY SCHOOL OF MEDICINE

The Duke School of Medicine is searching for an outstanding scientist and leader for the Department of Cell Biology. The department has a well established doctoral program, with University-wide programs in Cell and Molecular Biology, Genetics, and Structural Biology. As an integral part of Duke University, faculty in the Department of Cell Biology have multiple opportunities for collaboration with leading scientists across the campus as well as leaders of strong clinical research programs within the Medical Center. Also, the Department Chair will be expected to provide leadership in the teaching activities of the School. For additional information, consult the Medical Center website http://www.mc.duke.edu which provides access to all departments and programs.

Duke University Medical Center is one of the nation's leading academic medical centers. Located in a culturally diverse and dynamic region, the Triangle area of North Carolina is one of the fastest growing regions in the country and is often cited as being among the hest places to live

Applicants should submit a copy of their curriculum vitae, a statement addressing research interests and academic leadership goals, and the names and contact information of three references to: Cell Biology Search Committee, Box 3250, Duke University Medical Center, Durham, North Carolina 27710. Alternatively, materials may be sent electronically to the Cell Biology Search Committee c/o Ms. Jennifer Sider at Jennifer.Sider@duke.edu

Puke University Medical Center

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POSTDOCTORAL POSITIONS MURINE CARDIAC CONDUCTION SYSTEM

MOUNT SINAL SCHOOL OF MEDICINE

Mount Sinai School of Medicine has two postdoctoral positions available for highly

motivated individuals to study the development and functional biology of the murine specialized cardiac conduction system, using a multidisciplinary approach including conditional transgenesis/gene-targeting. Candidates should have prior experience in molecular and/or developmental biology; familiarity with cellular electrophysiology or murine models is extremely helpful, but no required. Interested candidates are referred to the following publications: Development 128, 1785-1792 (2001); Circ Res 88: 333-339 (2001); Development 128, 1531-1538 (2001).

Please submit a letter or e-mail stating career goals and curriculum vitae with past research experience and contact information for 3 references to: Glenn I. Fishman, M.D., Mount Sinai School of Medicine, One Gustave L. Levy Place, Box 1269, New York, NY 10029-6574. Phone: 212-241-2179. Fax: 212-828-4178. Email: fishmg01@doc.mssm.edu. Please visit our web site at http://med.mssm.edu/divisions/cardiology/CVRPhome.html. EOE.



SENIOR RESEARCH ASSOCIATE Spectroscopy Laboratory

Pioneer Hi-Bred International, Inc. is the world leader in the discovery, development and delivery of elite crop genetics. There is an immediate opening in a spectroscopy lab for a Senior Research Associate. The successful candidate will fill an important role in the development of new spectroscopic technologies to support research and product development within Pioneer. The primary focus will be the development of new spectroscopic methods, tools and sampling accessories to analyze various agricultural products and the application of chemometrics to develop predictive models for specific traits of interest. A minimum of a Masters degree in chemistry, physics, mathematics or closely related field with two years experience is required. The successful candidate will possess a thorough understanding of chemometrics and predictive model development. Demonstrated experience developing robust spectroscopic calibration models is required. A basic knowledge of optical spectroscopy and hands on experience with optical instrumentation is essential. Experience with Raman and photoacoustic spectroscopies is a definite plus. Basic computer skills (Microsoft Excel, PowerPoint, Word etc.) are expected. Programming experience in Matlab is highly desirable. Strong interpersonal, organizational and communication skills are essential

You must reference Job Code RES/NP277/PSC in order to be considered. Please send a resume and cover letter to: Resume Processing Center, Pioneer, A DuPont Company, 400 Locust Street, Suite 700, PO Box 14454, Des Moines, IA 50306-3454, or Email: apply@pioneerjobs.com. Visit www.pioneer.com for a complete job description.

EOE



Institute for Transuranium Elements, Karlsruhe, Germany

The Institute for Transuranium Elements, Joint Research Centre, in Karlsruhe, is almost entirely focused on R&D for the safety of the nuclear fuel cycle. Some of the Institute's installations and expertise are unique within the European Union.

ITU is a European reference centre in the field of the basic research on actinides, fuel research and the handling of long-lived radiotoxic waste, as well as a professional training centre for young scientists. Furthermore, ITU is developing measuring techniques to support the inspectorates in charge for safeguards control in Luxembourg (European Safeguards Office) and in Vienna (International Atomic Energy Agency).

We are looking for the

HEAD OF THE NUCLEAR CHEMISTRY DEPARTMENT

He/she will be responsible for the development and management of the activities of the Nuclear Chemistry Department. It implies scientific/technical support to the sectorial policies of the Commission in this field, in particular research contributions, work for third parties, analysis related to fuel cycle safety and safeguards.

The successful candidate should be a first rank scientist of international reputation with a university degree in radiochemistry, analytical chemistry or solution chemistry and a proven experience by record of scientific work and position in scientific community. A minimum of 12 years of professional experience, of which at least 7 in the field, are required. Proven management experience in research laboratories, communication abilities and good presentation skills are essential. Experience in managing international and multi-disciplinary projects, as well as in lecturing at a university, would be of advantage.

Candidates could inquire about the post by contacting the Institute's Director,

Dr Roland SCHENKEL, Director

European Commission, DG Joint Research Centre Institute for Transuranium Elements Postfach 2340, D-76125 Karlsruhe, Germany **Telephone**: direct line (+49-7247)951-350, switchboard 951-0. Fax: 951-591.

E-mail: Roland.Schenkel@cec.eu.int WWW: http://itu.jrc.cec.eu.int

The selection procedures are open to nationals of one of the Member States of the European Union. Candidates must have been born after 14/09/1946. The complete list of requirements and the closing date are described in the official announcement, which is to be found on the web sites http://www.jrc.cec.eu.int and http://dbs.cordis.lu or can be requested at the address below:

European Commission,
Secretariat of the Research Selection Committees
COM/R/A/16/2000,
SDME 4/31
Rue de la Loi/Wetstraat 200,
B-1049 Brussels

MOLECULAR GENETICIST (PLANTS) GS-440-9/11 U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL RESEARCH SERVICE

The Plant Genetic Resources Unit located in Geneva, New York will be recruiting from August 13, 2001 through September 17, 2001 to fill a permanent full-time Molecular Geneticist (Plants) position to provide professional support to a Lead Scientist on molecular genetic research studies on the grape germplasm collection. The incumbent will assess genetic identity and relationship, investigate DNA sequences, and develop markers useful at a variety of taxonomic ranks. The incumbent will also analyze genome organization and structure and the location and inheritance of genes in grape germplasm accessions. The salary range for this position is \$35,808 to \$56,332 per annum. To qualify, candidates must have U.S. citizenship, a degree in genetics or one of the basic biological sciences that included at least 9 semester hours in genetics. GS-9 requires 2 years progressively higher level graduate education leading to a master's degree or master's or equivalent graduate degree or 1 year specialized experience equivalent to at least GS-7. GS-11 requires three years of progressively higher level graduate education leading to a Ph.D. degree or Ph.D. or equivalent doctoral degree or 1 year of specialized experience equivalent to at least GS-9.

To obtain additional information and application forms, visit our web site at http://www.ars.usda.gov/afm2/divisions/hrd/hrdhomepage/empopp.htm or call Tiffany Fisk at 315-787-2307. For more information on the research program contact Dr. Warren F. Lamboy at 315-787-2359. Applications in response to this ad must be marked with the vacancy announcement number (ARS-X1E-1399) and postmarked by September 17, 2001.

ARS is an Equal Opportunity Employer.
Women and minorities are encouraged to apply.

DIRECTOR

Nonprofit Institute for Neurodegenerative Disease Models

A new nonprofit research institute, established for the purpose of improving access to genetically engineered animal models for neurodegenerative disease research, has an immediate opening for a Director. The institute will maintain colonies of aging animals and models that require complex licensing arrangements, and will perform administrative services to ensure that animals are distributed under approved conditions.

Working closely with a distinguished panel of scientific advisors, as well as legal and business consultants, the director will acquire licenses to key animal models and manage a program that includes contracting for animal husbandry and distribution services, marketing the program to the research community, screening and evaluating research applications, facilitating document exchanges with researchers, setting a pricing structure, tracking financial results, reporting to institute partners and the board of directors at regular intervals, and developing a diverse funding base for the program from federal grants or contracts, private foundations and other sources. The initial focus will be on models for Alzheimer disease and other neurodegenerative disorders, but can expand into other disease fields as opportunities arise.

The applicant should have significant experience in neurodegenerative disease research or related fields, as well as familiarity with intellectual property and business issues in biotechnology and drug development. Strong management and communication skills are essential.

The position offers an exciting opportunity to work at the interface of academia, industry and nonprofit organizations to have a highly visible and significant impact on research and drug development for Alzheimer's disease and other disorders. Along with a competitive salary, the position allows for considerable flexibility in geographic location and work schedule.

Send your resume and three references to:

J. Robert Scott Attn: Karrie Danilecki 255 State Street 5th Floor Boston, MA 02109 As manufacturers of the highest quality pharmaceutical, diagnostic, nutritional and hospital products, Abbott Laboratories is committed to improving lives. Share our vision for a healthier world and put more of what matters in life into your career, including a competitive salary, solid benefits and challenges that live up to your professional and personal goals.

We are seeking the following professionals to work in our Global Pharmaceutical Research and Development division in Abbott Park, Illinois:

Associate Behavioral Pharmacologists

Working in our Neuroscience Drug Discovery Research Group, responsibilities include the evaluation of compounds in behavioral models of disease. The position requires a bachelor's or master's degree, with an emphasis on behavioral neuroscience, behavioral pharmacology, physiological psychology or a related discipline. It also requires experience with rodent behavioral models of neurological and psychiatric diseases, a solid understanding of experimental design and data analysis, and strong communication skills. Additional experience in small animal surgery and neuropharmacological or neuroanatomical techniques are desired. Ad Code: 3281HS, 4024HS and 5114HS

Associate Research Pharmacologist

Working in our Neuroscience Drug Discovery Research Group, responsibilities include the utilization and development of *in vitro* pharmacological, biochemical or molecular assays for evaluation of compounds. Requirements include a bachelor's or master's degree with an emphasis on neuroscience, pharmacology, biochemistry or a related discipline, a background in the basics of experimental design and data analysis, and strong communication skills. Experience in neurological or neuropsychiatric disorders, or a background in assay development and mechanism of action studies preferred.

Ad Code: 3844HS

Tumor Biologist

Working with our expanding *in vivo* oncology group within the cancer research area, responsibilities include working with multidisciplinary scientists focused on the identification of new therapies for the treatment of cancer, developing new orthotopic, metastasis and angiogenesis *in vivo* models, and participating in mechanism of action studies using IHC and cell biology techniques. This position's primary function will be to determine the efficacy of promising novel oncology agents using *in vivo* tumor animal models. A doctorate degree or DVM and 3-5 years of postdoctoral experience in an academic or industrial drug development environment are required. The ideal candidate will also possess drug discovery experience working with various animal models in cancer, knowledge of signal transduction pathways, strong communication skills and the ability to work effectively in a team-oriented environment. Ad Code: 1921HS

Cancer Biologist

Working with our Genomics Group in our advanced technology area, responsibilities will include the experimental design and analysis of microarray data, the application of genomics to compound profiling, and target identification and validation in the cancer research area. The preferred candidate must be a biologist with a Ph.D. and have extensive experience in cancer biology. Knowledge of signal transduction pathways and proficiency with bioinformatics, cDNA microarray and proteomics are also essential. Ad Code: 1900HS

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www.abbott.com



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Senior Biochemist/Group Leader

In this role, you will work in a multidisciplinary project environment with chemists, protein crystallographers, computational chemists, and biologists to discover novel drugs using combinatorial chemistry and structure-based drug design. Responsibilities include implementing novel assay technologies, conducting enzyme and inhibitor characterization and guiding project teams in the use of such data in drug design to contribute to our expanding drug discovery pipeline in the therapeutic areas of Oncology, Antivirals, Ophthalmology, Diabetes and Obesity. This position requires a PhD in Biochemistry or a related field and 10 years experience in quantitative enzymology, protein chemistry, biophysical techniques, and structural biology. Req. #01-0673-5V135ZH

Associate Scientist, Molecular Biology

Overseeing the E. coli fermentation facility in our Molecular Biology Department, you will be required to operate bioreactors (5-100L) for research projects in Oncology, Virology, Ophthalmology, Obesity and Diabetes. You must have a BS/MS/PhD in Biochemistry, Molecular Biology or a related field and 3+years experience in bacterial fermentation. Demonstrated expertise in other fermentation systems for recombinant protein production (including yeast and insect cells/baculovirus) is considered a plus. Req. #01-0542-5Y105SL

Associate Scientists, Virology

We are seeking several BS-, MS-, and PhD-level scientists to join our expanding Virology team. Primary responsibilities will include participating in research aimed at the discovery, evaluation and development of novel therapeutic antiviral agents. In addition to a BS/MS/PhD, candidates must have a thorough knowledge of basic virology techniques, cell culture and assay development. Expertise in molecular biology and biochemistry lab techniques is preferred, as is experience with infectious HIV, positive strand RNA viruses or automation for high throughput screening. Req. #01-0510-5V128AP

Laboratory Automation Specialist

Working in the High Throughput Screening Department, your primary responsibilities will include facilitating the preventive maintenance, troubleshooting and programming of equipment used in the high throughput screening process while evaluating new automation technologies for use in screening. You must have a degree in Electrical/Mechanical Engineering and experience in the maintenance and routine operations of laboratory automation. Familiarity with the lab equipment used in compound screening processes (including workstations and fully automated robotic systems) is highly preferred. Special consideration will be given to candidates with experience in high throughput screening in the biotechnology/pharmaceutical industries. Req. #01-0625-5V225JE

Pfizer offers an exceptional work environment complete with competitive salaries, excellent benefits and training opportunities designed to develop your professional talents. We encourage all applicants to apply by emailing your resume, indicating the appropriate Req. # in the subject field, to SCI@pfizerresumes.com. If necessary, you may also mail your resume, indicating Req. #, to Pfizer Resume Processing Center, 630 Boston Road M-104, Billerica, MA 01821, Attn: Softshoe Resumes. An equal opportunity employer, Pfizer offers a workplace rich with diversity and potential.



The best is getting even better! As the world's largest pharmaceutical research enterprise, Pfizer is dedicated to providing the best innovations in medicine while pursuing tomorrow's discoveries in research and development. With an R&D budget of \$5.1 billion, our team has spurred Pfizer's exceptional performance in 30 countries and across 6 continents. If you share our dedication to discovering, developing and delivering medicines to improve the health of both people and animals worldwide, we want yours to be the newest Face of Pfizer. Consider the following opportunities at Pfizer Global Research and Development facilities in La Jolla, California.



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Experienced faculty sought to teach in UMUC programs for personnel on U.S. military bases in Asia and Europe. Broad teaching expertise desired. See www.ed.umuc.edu & www.ad.umuc.edu for programs and disciplines taught. 10-month renewable contracts. Begin January or August 2002. U.S. citizenship required. Benefits include transportation, military base privileges, health insurance and TIAA/CREF. Not suitable for faculty with children.

Send resume and coverletter to: SciM 801 Faculty-recruit@umuc.edu (attachments in MSWord, Wordperfect, or Text) or to: Office of Faculty Recruitment, SciM 801, University of Maryland University College, 3501 University Boulevard East, Adelphi, MD 20783

AA/EEO

UNIVERSITY OF MINNESOTA Twin Cities Department of Genetics, Cell Biology, and Development **Tenure-Track Faculty Positions**

The Department of Genetics, Cell Biology, and Development seeks candidates for two new tenure-track positions at the Assistant or Associate Professor level in the discipline of Cell Biology. The Department serves as a focal point for the University of Minnesota's initiative in Molecular and Cellular Biology and will be housed largely in the new MCB building to be occupied in the summer of 2002. Research strengths in the Department include structure/function of the cytoskeleton, genome manipulation, human and cancer genetics, and developmental genetics of model organisms (including fungi, protists, worms, flies, zebrafish and mice). Candidates working in all areas of Cell Biology will be considered, but specific areas of research expertise sought in Cell Biology include transmembrane signaling, endocytosis and secretion, cell junctions, cell polarity, nucleoplasmic structure and function, and cell growth regulation.

Candidates must have a Ph.D. and/or M.D. degree, at least two years of postdoctoral experience, and a strong publication record. The ability to interact collaboratively among a variety of disciplines will be encouraged and participation in the undergraduate, graduate, and/or professional teaching programs of the Department will be expected. Successful candidates will receive substantial start-up packages and starting salaries commensurate with education and experience. For additional information about the Department, and the University, see http://www.gcd.med.umn.edu.

Please send a curriculum vitae, statement of research interests, and three letters of recommendation that consider both research and teaching potential to: GCD Faculty Search Committee, c/o Mary Muwahid, University of Minnesota, Department of Genetics, Cell Biology, and Development, 6-160 Jackson Hall, 321 Church Street SE, Minneapolis, MN 55455. Review of applications will begin October 15, 2001 and will continue until the positions are filled.

The University of Minnesota is an Equal Opportunity Educator and Employer.

SENIOR EDITOR

Bethesda, MD

Oxford University Press seeks a Senior Editor for The Journal of the National Cancer Institute, a leading scientific/ medical journal. Responsibilities include reviewing and revising the scientific content of manuscripts and rewriting as necessary; liaising with authors, editors, and reviewers; participating in planning journal content and policy; attending scientific meetings; and soliciting new manuscripts.

Ideal candidates will have a Ph.D. in a Biomedical Field and experience revising/rewriting scientific manuscripts. Excellent interpersonal skills are essential.

We offer competitive salaries and great benefits, plus a collegial work environment. Please send or fax resume with salary expectations to:

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World Resources Institute (WRI), a Washington DC-based international, environmental think tank. currently is seeking a Program Director for its Biological Resources Program to

play a leadership role in the Institute's activities focused on halting the degradation of the world's living resources. Successful candidate will have a broad understanding of policy issues related to development and the environment, detailed knowledge and experience working to promote sound biological resource management, and strategic vision regarding the opportunities for policy and institutional change to ensure conservation and sustainable use of biological resources. She/he will have significant management experience, will have undertaken cutting-edge research, policy development, policy dialogue, coalition-building, or advocacy that has contributed to biological resource conservation, and bring significant fundraising experience.

For minimum qualifications and complete job description please see www.wri.org/ joblist Comprehensive benefits package. Send cover letter and resume to WRI, HR/ BRP, 10 G Street NE #800, Washington D.C. 20002. Fax: 202-729-7610 Email: vivianf@wri.org.

EOE

Panacos Pharmaceuticals is developing innovative drugs and vaccines that target HIV and other viruses of major medical importance. We are currently seeking highly motivated individuals with excellent communication and management skills to join our team

Sr. Scientist, Vaccine Discovery

Requires a Ph.D. and 2-5 years experience in virology or immunology. Individuals with experience in structure-based approaches to vaccine design and/or HIV vaccine development are encouraged to apply.

Project Manager, Drug Development

Requires B.S. or M.S. and 3+ years experience in project management of drug development or related programs. Experience in negotiating and coordinating projects outsourced to contractors preferred. Experience/knowledge of IND preparation an advantage.

Panacos offers excellent compensation, benefits, and working environment. Please send resume with cover letter to: Human Resources, Panacos Pharmaceuticals, Inc., 217 Perry Parkway, Gaithersburg, MD 20877 Fax: 301-208-8755 Email: info@panacos.com

Pharmaceutical

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SENIOR/EXECUTIVE DIRECTOR

Cancer Pharmacology and Pre-Clinical Development

In this role, you will direct and expand our ongoing programs in the pre-clinical development of new therapeutic strategies for the treatment of solid tumor cancer. A PhD, MD or equivalent and 6+ years relevant, hands-on experience in the evaluation of candidate compounds using *in vivo* models of solid tumor cancer are required. Additional experience in pre-clinical evaluation of candidate compounds with respect to pharmacokinetics, metabolism and oral bioavailability related to the selection of clinical candidates is strongly preferred. A strong record of leadership that includes the direction of R&D programs, effective supervision of a group of multi-talented scientists and excellent communication skills is essential. Preference will be given to candidates with experience in a pharmaceutical or biotechnology company environment.

DIRECTOR

Solid Tumor Cell Biology

Lead our Cell Biology group focused on the development of new therapeutic strategies for solid tumor cancer. A PhD and 5+ years relevant experience in cancer cell biology, particularly in the areas of mammalian cell culture, immunohistochemistry, and in situ hybridization, are required. Background in the area of monoclonal antibody technology is strongly preferred. A strong record of leadership that includes the direction of R&D programs, effective supervision of a group of multi-talented scientists and excellent communication skills is needed. Preference will be given to candidates with experience in a pharmaceutical or biotechnology company environment.

Molecular Biologist

Phage Display

We seek a highly motivated scientist to participate in an exciting program that involves both basic and applied research and is expected to lead ultimately to the discovery of innovative drugs for the treatment of neoplastic diseases. The successful candidate will have a PhD in Molecular Biology, Biochemistry, or a related field and extensive experience using phage display technologies. At least 2 years of experience constructing, characterizing, and screening large phage libraries that display populations of mutated proteins is strongly preferred. Proven productivity both as an independent investigator and as a member of a dynamic, interactive team, as well as the ability to apply creative solutions to challenging questions while meeting aggressive goals and timelines are desired.

CORVAS is located in the "Biotech Beach" area of La Jolla, CA, with convenient access to UCSD and Scripps. For consideration, please send/fax/email CV and letter to CORVAS International, Inc., 3030 Science Park Road, San Diego, CA 92121, Attn: HR; fax: (858) 455-0457; email: careers@corvas.com. EOE.

For more information on these and other opportunities, visit our website at:

www.corvas.com



Step out of the laboratory and into the information age

Biological Database Administrator

Opportunities in King of Prussia, PA and Research Triangle Park NC

aybe you always wanted to be a Scientist. But perhaps after a few years in the laboratory you feel there are other directions you'd like to explore. Areas where you could make better use of your ability to understand how people work and extend your skills in managing information. You've started adding computing skills, so it could be time to make the move into the world of Information Technology.

This is a rare chance to use your scientific background and experience in computing in an IT role and develop a career with a global healthcare company committed to R&D. You will join a team responsible for managing a database comprising the screening data produced from compounds at the discovery phase - a database that we're confident is the very best of its kind in the industry. What's more, it's a lively, friendly team, willing to support and train the right person and particularly open-minded about flexible working.

Your role will be to support the development and worldwide deployment of the database through working closely with Scientists across R&D. You'll use a wide variety of packages, tools and programs, so your skills will develop fast. From creating new ways of interrogating the system to training colleagues, you'll be dedicated to ensuring the database's use and usefulness are maximized.

Possibly a Biologist or Chemist, you'll have a strong interest and some experience in IT and will be ready for a change in direction. Your advanced degree in Science or a technology-related subject will ensure you're credible with scientists and able to understand their information needs. But just as important is your personality. We're looking for a confident, outgoing individual, able to learn new skills fast and explain complex ideas clearly. You should also be keen to get involved with other areas of the team's work.

GlaxoSmithKline is dedicated to an innovative workplace and supports you with career long opportunities and learning. We offer a competitive benefits and compensation package designed to attract and retain the very best. For confidential consideration and efficient processing, please visit our website: www.gsk.com. Indicating Job Code: 01-1500 (King of Prussia) or 12802 (KTP) is essential to search. Principals only, no agencies please.

Developing talent through equality of opportunity, M/F/D/V.



MAYO CLINIC SCOTTSDALE



Director of the Mayo Clinic Cancer Center - Scottsdale

We are seeking the inaugural Director of the Mayo Clinic Cancer Center - Scottsdale to guide expansion of cancer-related research and patient services at Mayo Clinic in Scottsdale, Arizona. Mayo Clinic Scottsdale is an integrated, multi-specialty group practice and hospital that provides tertiary and quaternary services in an academic setting. In partnership with our sister Mayo Clinic organizations in Rochester, MN, and Jacksonville, FL, we are striving to develop the first national NCI-designated comprehensive cancer center.

Candidates for Director must be an MD or MD/PhD with proven leadership and performance abilities in both the scientific and administrative realms. An active clinical and/or laboratory-based research program with a solid track of extramural support from NIH and other national funding sources is expected. The Director will be responsible for immediately recruiting additional laboratory investigators. Responsibilities include, but are not limited to:

- Fostering and developing internationally recognized programs in basic and translational cancer research
- Developing collaborative cancer research initiatives with Mayo Clinic Cancer Center, an NCI-designated Comprehensive Cancer Center based in Rochester, MN, and with Mayo Clinic Cancer Center in Jacksonville (FL)
- Working closely with the Cancer Center's Deputy Director of Clinical Affairs and the Chairs from Mayo Clinic Scottsdale's clinical sections to advance the institution's cancer clinical research portfolio

Mayo Clinic offers competitive compensation and comprehensive benefits, including a relocation package. Our desirable location in the beautiful Sonoran Desert of Phoenix offers every opportunity for a rewarding lifestyle.

Please submit your letter of interest and your curriculum vitae to: Jorge Rakela, M.D., Director of Research, Mayo Clinic Scottsdale, 13400 East Shea Boulevard, Scottsdale, Arizona, 85259. You may also email these materials to: shank.sylvia@mayo.edu

As an equal opportunity employer, we value diversity.

For additional employment opportunities, visit our website at: $\label{eq:www.mayo.edu} Www.mayo.edu$



U of L Health Sciences Center Assistant Professor Molecular Biology of CNS Injury and Repair

The Kentucky Spinal Cord Injury Research Center at the University of Louisville School of Medicine is seeking to fill a tenure track faculty position with an investigator using molecular biological approaches to understand and/or repair CNS injury. The Assistant Professor will join a diverse faculty with expertise in CNS injury, neuroprotection, stem cells, trophic factors neuroreplacement, neuroregeneration, and spinal cord motor and sensory systems. Primary appointment will be in the Department of Neurological Surgery with a joint appointment in an appropriate basic science department. A competitive start up package, salary, and benefits will be provided. A substantial endowment will support this position in perpetuity. Applicants should have a Ph.D. and/or M.D. with at least three years of postdoctoral experience.

Send curriculum vitae, a brief letter of research direction(s) and the names of at least three references by October 1, 2001 to: Search Committee Chair, Christopher B. Shields, M.D., Professor and Chairman, Department of Neurological Surgery, University of Louisville, 210 E. Gray Street, Suite 1102, Louisville, KY 40202.

The University of Louisville is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minority groups.



Senior Scientists

Zygogen is a creative and rapidly growing Atlanta-based biotechnology company. Our mission is to use our proprietary fluorescent zebrafish technologies – Z-TagTM and Z-LipotrackTM - to build integrated programs for drug target identification, validation and screening to optimize drug discovery. Three therapeutic areas of focus are angiogenesis, cardiovascular and toxicology. Compensation includes a standard benefits package plus stock options.

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info@zygogen.com
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24 Peachtree Center Avenue
Atlanta, GA 30303
Tel: 404-523-7309
Fax: 404-523-5974
www.zygogen.com



DEAN OF THE COLLEGE OF BIOLOGICAL SCIENCES

The Ohio State University invites nominations and applications for the position of Dean of the College of Biological Sciences. Ohio State is one of the nation's leading comprehensive research universities. It is situated in Columbus, Ohio, a thriving metropolitan area of about 1.4 million and the capital of the State of Ohio. The dean of the college is administratively responsible for the departments of Biochemistry; Entomology; Evolution, Ecology, and Organismal Biology; Microbiology; Molecular Genetics; and Plant Biology. The college has 100 regular faculty, an annual budget of \$17.1 million, research funding of \$11.7 million, and a tradition of excellence in teaching and research.

The dean provides leadership for the educational and research activities of the college and works collaboratively with the faculty of the college, the university administration, and other constituent groups both within and outside the University. The dean is responsible for faculty recruitment, administration of personnel affairs, for development and advancement of academic programs, including supervision of the Introductory Biology undergraduate education program, and projection and allocation of budgets for units in the college. The University is beginning construction of a new life sciences building for the college and has funding for the major renovation of another building. addition, the dean has responsibilities for encouraging and developing collaborations with the College of Food, Agricultural, and Environmental Sciences, the College of Mathematical and Physical Sciences, and six health sciences colleges. The Ohio State University has one of the largest and most comprehensive health sciences centers in the nation. Further, the University is undergoing a major expansion in the life sciences, including recent initiatives in molecular life sciences, environmental sciences, cancer genetics, and plant molecular biology and biotechnology; the dean will play a major leadership role in these endeavors. The dean reports to the provost, who is the chief academic officer of the University.

Candidates must have the qualifications for appointment as Professor in one of the units of the college. Additional qualifications for the position should include a distinguished record in research, teaching, and service; demonstrated excellence in leadership and administration; and a clear record of effective commitment to and support of cultural and ethnic diversity and affirmative action.

The Search Committee will begin reviewing dossiers on November 1, 2001 and will continue to review applications until the dean is selected. Applicants should send a letter expressing their interest and qualifications, a curriculum vita, and the names, addresses, and telephone numbers of four references to:

Dean Glen F. Hoffsis, Chair Search Committee for Dean of the College of Biological Sciences 203 Bricker Hall, 190 North Oval Mall Columbus, OH 43210-1358

The Ohio State University is an Equal Opportunity, Affirmative Action Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.



Morphotek Inc. is a genomics-based biotechnology company focused on creating proprietary host organisms for product development. The Company employs its patented platform technology called *morphogenics* that enhances the natural process of genetic evolution within targeted organisms to maximize genetic diversity for product development and gene discovery. Morphotek has immediate (BS/MS/PhD) openings for:

DIRECTOR/SR SCIENTIST IMMUNOLOGY

Ideal candidates will have experience with one or more of the following: antibody engineering, affinity characterization, hybridoma development, recombinant antibody production, and/or FACS analysis.

DIRECTOR/SR SCIENTIST GENOMICS

Ideal candidates will have experience with one or more of the following: high throughput DNA sequencing, microarrays, automation and/or computational biology to support gene discovery and functional genomics programs.

SR SCIENTIST BIOCHEMISTRY & PROTEOMICS

Ideal candidates will have experience with one or more of the following: Biacore analysis, 2D gel electrophoresis, MALDI-TOF/ Mass spec, and/or chromatography purification of recombinant proteins.

VP/DIRECTOR INTELLECTUAL PROPERTY

Ideal candidate will have a Ph.D. in biological sciences, a J.D. and be a registered patent agent. Significant experience with patent prosecution, technology transfer, and IP portfolio development of proprietary products desired.

POST DOCTORAL POSITIONS

Several post doctoral opportunities exist in the mammalian, genetics, microbial, and plant biology departments. The ideal candidate will have a strong background in molecular biology, genetics or biochemistry and preferably some industrial experience.

We offer a competitive compensation package that includes full medical and dental benefits, 401K, stock options and bonus plan. Please send all correspondence to: Morphotek, Inc., Human Resources, 3624 Market Street, Philadelphia, PA 19104, e-mail: info@morphotek.com - visit us at www.morphotek.com - Equal Opportunity Employer

Director of Licensing

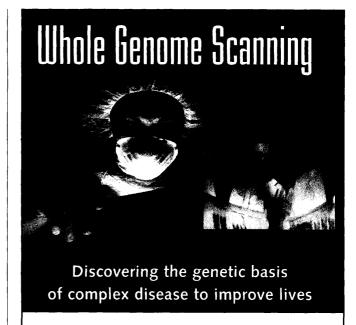
ArborGen, LLC, a biotechnology venture whose mission is to enhance the forest and forest products industry through the application of biotechnology has an opening for Director of Licensing.

Reporting to the CEO, the Director will be responsible for licensing-in and licensing-out activities as well as pursuing opportunities that are related directly and tangentially to the forest and forest products industry. Licensing-in activities would be focused on the acquisition of enabling and trait technology for both R&D and commercial purposes. Conversely, the Director is responsible for licensing-out of ArborGen technologies as a means of generating an early revenue stream for the Company. In addition, The Director of Licensing would be a member of a team whose mission is to explore and establish business relationships with non-traditional business interfaces for the forestry industry in such fields as agriculture, pharmaceuticals, energy, bioremediation, etc. Establishing alliances and partnerships would also be a key activity of the team.

The successful candidate should have an advanced degree, preferably a Ph.D., in the biological sciences, for example, genetics, plant physiology, molecular biology, or a related discipline. In addition, an MBA or equivalent degree is required. The candidate would have at least five years of experience in a licensing capacity and at least three years, preferably five years in a business development and/or commercial role. A demonstrated track record of success is a must. The candidate would be expected to possess outstanding written and oral communication skills, leadership and problem-solving skills, and demonstrated creativity. A strong desire to play a leadership role in setting the course and building a new venture is required.

ArborGen offers a competitive salary and benefits package, including a performance-sharing plan. For consideration, please send your CV, names and contact information of three references and salary requirements to: ArborGen, LLC, P. O. Box 840001, Summerville, SC 29484-8401, or jobs@arborgen.com. (No telephone calls, please.)

ArborGen is an equal opportunity employer.



At Perlegen Sciences, we possess a high-density, whole-wafer, microarray technology that enables us to compare the entire genomes of thousands of diseased and healthy individuals in order to associate genetic regions with important phenotypes. We invite you to consider joining our unique company as we apply this technology to bring focus to biological research and to accelerate the discovery of drugs and diagnostics.

Recently established, we are a well-funded, pre-IPO company that is moving quickly, building a world-class team that includes:

- I genetic epidemiologists
- I experts in scanning and optics
- I laboratory automation engineers
- I software analysts and programmers
- molecular biologists

If you possess inventive skill in these areas and would enjoy working in a cross-disciplinary culture that encourages creativity and challenges intellectually, we'd love to hear from you. Please mail your resume to Perlegen Sciences, 3380 Central Expressway, Santa Clara, CA, 95051. Fax to 408-731-5455. Or email to perlegen_HR@Perlegen.com.

For more information on these positions and other opportunities, visit our website at **www.perlegen.com**. EOE.



TERRESTRIAL ECOLOGIST

Baylor University, a private, comprehensive university of over 13,000 students, seeks a Terrestrial Ecologist for a tenure-track position at the ASSISTANT PROFESSOR level beginning summer 2002. Ph.D. is required. Position responsibilities: Teach a combination of courses from the following: introductory ecology, graduate courses in evolutionary/population ecology, and/or in subdiscipline of expertise, and introductory biology for majors; establish a research program that uses current methods to examine ecological processes and involves undergraduate and graduate students; and participate in departmental and university service activities. Baylor is known for teaching and emphasizes research that involves students. Complete applications will be reviewed begining 24 September 2001 and will be accepted until the position is filled. A complete application consists of application letter, statements of teaching philosophy and research interests, curriculum vitae, reprints of up to three representative publications, graduate and undergraduate transcripts, and three letters of reference. Send materials to: Professor Ken Wilkins, Search Committee Chair, Department of Biology, Baylor University, Waco, TX 76798-7388. Telephone: 254-710-2911; FAX: 254-710-2969; e-mail: ken_wilkins@baylor.edu; website: http://www.baylor.edu/Biology/ Home_Page.html. Baylor University is a Baptist university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Employment Opportunity Employer, Baylor encourages minorities, women, veterans, and persons with disabilities to apply.

TENURE-TRACK/TENURED FACULTY POSITIONS Virology and Medical Microbiology

The Department of Microbiology and Immunology, Finch University of Health Sciences/The Chicago Medical School, is seeking two ASSOCIATE PROFESSORS with strong publication records and current extramural research funding in the fields of virology and medical microbiology emphasizing molecular pathogenesis and immunology, teaching medical and graduate students and directing training of Doctoral and/or Postdoctoral research trainees. The Department has established strength in the areas of molecular biology, immunology, and host-parasitic relationships. Excellent laboratory space and facilities, substantial start-up funds, and a competitive salary will be provided.

Applicants should send curriculum vitae, a summary of research accomplishments and future research plans, and names of three references to: Yoon B. Kim, M.D., Ph.D., Professor and Chairman, Department of Microbiology and Immunology, Finch University of Health Sciences/The Chicago Medical School, 3333 Green Bay Road, North Chicago, IL 60064. Finch University of Health Sciences/The Chicago Medical School is an Equal Opportunity Employer.

COLLEGE ASSISTANT PROFESSOR POSI-TION at New Mexico State University: The Department of Chemistry and Biochemistry invites applications for a full-time Lecturer in biochemistry to begin in August 2001. The Department offers B.A. and B.S. degrees in chemistry and biochemistry, M.S. and Ph.D. degrees in chemistry, and has a strong commitment to teaching. Applicants must have an M.S. with two years of college teaching experience or a Ph.D. degree in chemistry, biochemistry, or relevant discipline. Teaching experience and expertise in biochemistry are strongly desired. Candidates must submit a letter of application, complete curriculum vitae, a statement of teaching philosophy and interests, copies (unofficial) of graduate and undergraduate transcripts, and arrange to have three letters of recommendation sent to: Dr. Colleen Jonsson, Chair, Faculty Search Committee, MSC 3C, New Mexico State University, P.O. Box 30001, Las Cruces, NM 88003-8001. Review of applications will begin on August 17, 2001, and continue until the position is filled. NMSU is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CHIEF OF PATHOLOGY Magee Women's Hospital Affiliate of University of Pittsburgh and the UPMC System of Hospitals

The Department of Pathology at the University of Pittsburgh School of Medicine is recruiting for the position of Chief of Pathology at Magee Women's Hospital at the level of ASSOCIATE or FULL PROFESSOR (with tenure). Located within three blocks from the School of Medicine and the UPMC Presbyterian Hospital, MWH is a large hospital dedicated to women's disease and wellness. It supports strong clinical and research programs in the areas of gynecologic oncology, breast cancer, obstetrics, perinatal pathology, cytogenetics, osteoporosis, etc. The Magee Pathology division has multiple clinical tasks including providing the diagnosis on 19,000 surgical pathology cases per year and about 150,000 cytology accessions. Many clinical trials and basic as well as clinical research are based at MWH and the immediately adjacent MWH Research Institute. The Division participates in the NSABP and ECOG clinical research trials. All 14 current members of the Pathology division at MWH are full-time faculty members of the Department of Pathology of the School of Medicine. The role of the Chief of Pathology will be to lead the academic and clinical components of the division and its interactions with the clinical and research environment of the institution. The person to be recruited will report directly to the Chair of Pathology and the CEO of MWII. The position will be associated with support for development of research, basic or clinical. Interested individuals should have an already established academic program in areas of gynecologic, endocrine, breast or reproductive pathology, or other areas relative to women's health.

The position is available immediately. Interested individuals should send current curriculum vitae, summary of career goals, and name of three references to:

George K. Michalopoulos, M.D., Ph.D. Maud Menten Professor and Chairman Department of Pathology University of Pittsburgh School of Medicine S-410 Biomedical Science Tower Lothrop Street Pittsburgh, PA 15261

E-mail: michalopoulosgk@msx.upmc.edu
The University of Pittsburgh and Magee Women's Hospital
are committed to Equal Opportunity and Affirmative Action

Employment principles.

California Institute of Technology invites applications for a tenure-track position as ASSISTANT PROFESSOR specializing in inorganic chemistry with an initial appointment of four years contingent upon completion of all requirements for a Ph.D. Outstanding candidates with a strong commitment to research and teaching excellence are encouraged to apply. Submit curriculum vitae, publication list, a description of proposed research, and three letters of recommendation to: Chair of the Inorganic Chemistry Search Committee, M/C 127-72, California Institute of Technology, Pasadena, CA 91125. Applications should be received by November 1, 2001. Caltech is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

STATISTICIANS: The Procter & Gamble Company is seeking Statisticians for entry-level positions in our Biometries and Statistical Sciences Department. Successful candidates will be involved in clinical study design and will be responsible for analyzing the data and reporting the statistical findings. All positions require a Ph.D. in statistics, at least a year of relevant postdoctoral training, a history of utilizing SAS and Splus in clinical trials, and strong written and oral communication skills. Experience with clinical trials involving over-the-counter health care products is preferred. Qualified candidates should apply electronically to this position by going to website: http://www.pg.com/jobs/apply_now; reference Ad Code NAUSRD001194. P&G is an Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR Systems, Cognitive, or Computational Neuroscience Stanford University School of Medicine

The neuroscience community at the Stanford School of Medicine invites applicants for the position of Assistant Professor. The search will be targeted specifically toward superb young Scientists in the areas of systems, cognitive, and computational neuroscience. The tenure-track position offers outstanding scholarly and scientific resources and the opportunity to teach graduate and medical students with strong interests in neuroscience. The departmental affiliation will be tailored specifically for the successful candidate at the time of recruitment. School of Medicine departments with strong neuroscience representation include Comparative Medicine, Molecular and Cellular Physiology, Neurobiology, Neurology, Neurosurgery, and Psychiatry. Applications are welcome from candidates with basic science and/or clinical training. The predominant criterion for apppointment in the University tenure track is a major commitment to research and teaching. Applicants should submit curriculum vitae; bibliography; a one- to-two-page description of research interests; and three letters of recommendation as soon as possible but no later than December 1, 2001, to:

Dr. William T. Newsome Chair, Search Committee Department of Neurobiology Stanford University School of Medicine Fairchild Building, Room D-209 Stanford, CA 94305-5125

E-mail: matthews@cmgm.stanford.edu

Stanford University is committed to increasing representation of women and members of minority groups on its faculty and particularly encourages applications from such candidates.

ASSISTANT PROFESSOR OR ASSOCIATE PROFESSOR OF BIOLOGY Molecular Biology/Bioinformatics

The Department of Biology of the College of Staten Island of The City University of New York seeks candidates for an anticipated tenure-track position in molecular biology/bioinformatics as an Assistant or Associate Professor to start February 2002. Required: Ph.D., strong computational background, demonstrated commitment to research, college teaching experience, and experience in curriculum development. Postdoctoral experience and grant activity preferred. Responsibilities include undergraduate and graduate teaching in the Bioinformatics program, performing department and college service, and engagement in an active and productive research agenda. The successful candidate will present credentials appropriate for appointment to the Doctoral faculty of the CUNY Graduate Center. Appointment at the Associate Professor level will require external funding. Salary range: Assistant Professor: \$42,162 to \$57,049; Associate Professor: \$46,094 to \$68,174 commensurate with qualifications. Review of applications will begin on October 15, 2001, and continue until the position is filled. Send a letter of application including research plans and a statement of teaching philosophy; curriculum vitae; and the names, addresses, and telephone numbers of three references to: **Professor Jacqueline** LeBlanc, Chair, Molecular Biology/Bioinformatics Search Committee, Department of Biology, College of Staten Island/CUNY, 2800 Victory Boulevard, Staten Island, NY 10314. Equal Employment Opportunity/Affirmative Action/Americans With Disabilities Act Employer.

POSTDOCTORAL POSITION is available to study human factor VIII (antihemophilic factor) structure and interactions with other macromolecules, Candidates should have a strong background in protein biochemistry and molecular biology. Send curriculum vitae and contact information for three references to: Dr. Philip J. Fay, Department of Biochemistry and Biophysics, P.O. Box 610, University of Rochester School of Medicine, Rochester, NY 14642. E-mail: Philip_Fay@urmc.rochester.

ASSISTANT EDITOR, GENOME RESEARCH



Cold Spring Harbor Laboratory Press Department located in Woodbury, NY is searching for a scientist interested in making a career in the communication of science. The applicant must have a Ph.D. and Post Doctoral training in the biological sciences, preferably with experience in genetics and genomic science. The successful candidate will be a self-starter, have a broad perspective in science, and be able to spot areas of emerging interest in current research. Strong writing ability, exceptional organizational skills, creativity, ability to meet deadlines, and the capacity to handle many projects at once is a must. Evidence of prior interest in the communication of science would be helpful. We seek a team player with energy, enthusiasm, and excellent interpersonal skills who is comfortable interacting with scientist at all levels.

We offer a competitive salary including comprehensive benefits. Send resume with cover letter and salary history in confidence to: **Human Resources Department/AE**,

Cold Spring Harbor Laboratory



1 Bungtown Road, Cold Spring Harbor, NY 11724, Fax: 516-367-6850 Visit our web site: www.cshl.edu

Equal Opportunity Employer

COLUMBIA UNIVERSITY COLLEGE OF PHYSICIANS AND SURGEONS CHAIRMAN

DEPARTMENT OF GENETICS AND DEVELOPMENT

Columbia University College of Physicians and Surgeons seeks a dynamic individual of international prominence to assume leadership of its Department of Genetics and Development. Columbia University has a long and distinguished history in genetics. The Department trains outstanding researchers and scholars who use genetics to study the mechanisms governing basic cellular functions, animal development, and human disease.

There are 20 full-time faculty and 3 adjunct faculty. A description of their activities is available on the departmental website (http://cpmcnet.columbia.edu/dept/genetics/). A broad-based training program is in place. Departmental faculty members direct the University Genome Center and the Institute for Cancer Genetics. Columbia's Health Sciences campus is well known for its collaborative environment, and many interdepartmental activities exist among members of the Department of Genetics and Developments and other clinical and basic science departments.

The successful candidate will be expected to build upon the currently excellent programs of research and training, and to lead the Department in an era of rapid growth in all aspects of genetics and development.

Interested candidates should send their applications or nominations to:

Dr. Qais Al-Awqati, Columbia University, Genetics Search Committee, Room 10-445, 630 West 168th Street, New York, NY 10032; or e-mail them to: qa1@columbia.edu

We are an affirmative action/equal opportunity employer.



POSITION ANNOUNCEMENT – DIRECTOR OF THE INSTITUTE Inter-American Institute for Global Change Research (IAI)

The Inter-American Institute for Global Change Research (IAI) was established in 1992 and now has 18 ratified members/countries. A scientific agenda is outlined for studies in several areas: understanding climate variability in the Americas; comparative studies of ecosystems, biodiversity, land use, and water resources in the Americas; changes in the composition of the atmosphere, oceans, and fresh waters; and integrated assessment, human dimensions, and applications. The IAI will pursue this agenda through a collaborative network of research centers, Affiliated Research Institutes, and Associates of the IAI, and will promote cooperation among regional and extra-regional research institutions; sponsor scientific projects of regional relevance; pursue research that cannot be conducted by a single country or institution; improve the technical capabilities and research infrastructure of the region; foster the standardization, collection, analysis, and exchange of scientific data; and improve public awareness and information for public policy.

RESPONSIBILITIES:

The IAI's Director is elected by a two-thirds majority of the Conference of the Parties (CoP), the principal policy-making organ of the IAI. The Director is responsible for preparing IAI long-range plans and financial policies; proposing the annual work program and budget; implementing on a day-to-day basis those financial policies and elements of the annual work program and budget, which are approved by the CoP; acting (in an ex-officio capacity) as Secretary of the CoP and other IAI executive and scientific organs; promoting and representing the IAI; and designing and implementing fund-raising strategies. The Director manages the Directorate, located on the campus of the Instituto Nacional de Pesquisas Espaciais (INPE) in São José dos Campos, São Paulo, Brazil, and its staff and related facilities.

OUALIFICATIONS:

(a) A proven record in management and scientific research administration; (b) an ability to work and communicate effectively with relevant scientific, policy-making, and donor communities; (c) excellent conceptualizing skills that provide leadership for staff of the Directorate, research partners, and donors; (d) strong language and writing skills in English and Portuguese or Spanish; (e) highest academic qualifications and achievements in a scientific area, preferably in the biological, physical or chemical sciences; (f) a successful record of fund-raising for scientific research; and (g) field-level accomplishments derived from interacting successfully in cross-cultural environments. By agreement of the Parties of the IAI, the Director cannot be a citizen of Brazil, the Host Country for the Directorate.

APPOINTMENT TERMS:

The Director will be appointed for a three-year term that can be renewed once. An internationally competitive total compensation package will be provided. The Director and family will be accorded diplomatic status as a representative of an international organization by the Government of Brazil.

APPLICATION INSTRUCTIONS:

Applications/nominations of interested candidates should include a cover letter that addresses the qualifications of the position, a current curriculum vitæ, and the names/addresses/phones/faxes of three referees. These materials, which will be accepted until October 19, 2001, should be submitted directly to an IAI ratified country.

Additional information about the IAI and IAI Director Search (including the list of IAI ratified countries and delegate names and addresses) can be found on the IAI home page at http://www.iai.int.

FACULTY OPENINGS Chemical Engineering University of Pittsburgh

The Department of Chemical Engineering, which has been characterized as a "rising star," is in an expansion mode. It boasts nationally recognized programs in catalysis, polymer science, bioengineering, and multiscale modeling. It is also involved in active collaboration with the University of Pittsburgh Medical Center (ranked 16th in the nation) through the Pittsburgh Tissue Engineering Initiative and the McGowan Institute for Regenerative Medicine. The Pittsburgh community is consistently ranked as one of the most livable cities in terms of its high quality of life and low cost of living. Wall Street Journal ranks it as one of the hottest high-tech areas in America; it also ranks seventh in the nation in the number of Fortune 500 headquarters locations. The Department receives substantial support from the local industrial community.

We are interested in faculty who can effectively interface between departmental expertise and leverage the current capabilities with the incoming faculty's expertise. Areas of interest include tissue engineering, materials, and catalysis; candidates with strength in other areas will also be considered. Please submit your curriculum vitae, research and teaching plans, and names of three references to: Search Committee, Chemical Engineering Department, 1249 Benedum Hall, University of Pittsburgh, Pittsburgh, PA 15261. Applications will be accepted until January 31, 2002.

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Institution.

Rutgers University's Division of Life Sciences invites applications for **CHAIRPERSON** of the Department of Molecular Biology and Biochemistry. We seek a distinguished Researcher using molecular and/or cellular approaches to address significant biological questions. This outstanding individual will provide leadership in administering the research and teaching activities of a dynamic department.

The Department consists of 15 well-funded faculty (including two Hughes Investigators) who are studying a variety of subjects including signal transduction, apoptosis, transcriptional regulation, genome stability, pattern formation, cell cycle control, and molecular recognition (website: http://www-rci.rutgers.edu/~molbio/). The candidate will have significant resources to develop the Department's future direction, which should complement and extend existing research strengths in molecular biology and biochemistry at Rutgers and our sister institution, Robert Wood Johnson Medical School, with which we share a campus and many graduate programs.

Candidates should send a cover letter; curriculum vitae; and any supporting documents by January 31, 2002, to: MBB Search Committee, c/o Donna Hebenstreit, 679 Hoes Lane, CABM, Rutgers University, Piscataway, NJ 08854. Rutgers University is an Affirmative Action/Equal Opportunity Employer.

ASSOCIATE PROFESSOR/FULL PROFES-SOR, Chemistry Department, University of Missouri-Rolla. Applications and nominations sought for tenure-track Associate Professor/Full Professor in any area of chemistry that complements existing strengths of the Department/campus. Preferred starting date is September 1, 2002. The successful candidate will have a record of vigorous research activity. Responsibilities: Teach undergraduate and graduate courses; conduct a strong, externally funded research program; direct graduate and undergraduate research; and interact effectively with faculty, staff, and students. Applications will be considered until position is filled. For additional information, e-mail: chem@umr.edu; website: http://www.chem. umr.edu/. Send application with complete curriculum vitae, statement of research and teaching plans, and names of three references to: Human Resource Services, Reference Number R53242, University of Missouri-Rolla, 1202 North Bishop, 1870 Miner Circle, Rolla, MO 65409-1050. UMR is a Affirmative Action/Equal Employment Opportunity Employer. Females, minorities, and persons with disabilities are encouraged to apply.

POSITIONS OPEN

University of Minnesota Cancer Center



ASSISTANT PROFESSOR

The University of Minnesota Cancer Center and Department of Genetics, Cell Biology, and Development (GCD) are conducting a search for a tenure-track Assistant Professor in the general area of genetic mechanisms relevant to cancer development or treatment. The position offers a competitive salary, start-up package, and modern laboratory space with access to state-of-the-art core facilities in genomics/proteomics, transgenics, stem cell technology, tissue procurement, flow cytometry, statistics, analytical chemistry, and cell therapy. The candidate must have a Ph.D. or M.D. with evidence of high-quality research productivity. Emphasis will be placed on the potential for interaction with existing Cancer Center programs and interest in cancer genetics, cancer gene function and identification, genomics, cancer susceptibility genes, transcriptional regulation, or DNA stability/repair. The person selected will be expected to develop an independent, funded research program and participate in the teaching mission of the Department. Applications will be accepted until the position is filled. Please send curriculum vitae, a brief statement of current and future research, and three letters of reference to: David Largaespada, Ph.D., Search Committee Chair, c/o Human Resources, University of Minnesota Cancer Center, Mayo Mail Code 806, 420 Delaware Street S.E., Minneapolis, MN 55455. Website: http:// www.cancer.umn.edu.

The University of Minnesota is an Equal Opportunity Educator and Employer.

MOLECULAR BIOLOGY OF CANCER Columbia University College of Physicians and Surgeons Departments of Medicine and Pathology

The Departments of Medicine and Pathology are seeking an outstanding Investigator for appointment as an ASSISTANT or ASSOCIATE PROFESSOR (tenure track) in the field of the molecular biology of cancer with an emphasis on mesothelioma. The candidate will be expected to build an independent basic research program and interact with other Investigators interested in mesothelioma. Substantial start-up funding and space are available. Please send a statement of research interest, curriculum vitae, and three letters of recommendation to: Dr. Ramon Parsons, Institute of Cancer Genetics, 1150 St. Nicholas Avenue, RBP 302, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION Rensselaer Polytechnic Institute

Rensselaer Physics invites applications for a tenure-track ASSISTANT PROFESSOR in biophysics with emphasis in terahertz wave sensing and imaging. Applicants should have a Ph.D. in biophysics, biology, physics, applied physics, or other optics-related fields and have demonstrated exceptional potential for outstanding research and teaching. Applicants should send curriculum vitae; statements of research interests, proposed activities, and teaching; and arrange for three letters of reference to be sent to: Department of Physics, Applied Physics, and Astronomy, Faculty Search Committee, Attention: Sue Halpin, Rensselaer Polytechnic Institute, 110-8th Street, Troy, NY 12180 U.S.A.

Rensselaer is an Affirmative Action/Equal Opportunity Employer and qualified women and minorities are strongly encouraged to apply.

POSITIONS OPEN

SENIOR FACULTY POSITION Molecular Biology

The Department of Biochemistry and Biophysics at Texas A&M University invites applications for a senior faculty position in any area of molecular biology, cell biology, or molecular genetics. The appointment will be at the level of **ASSOCIATE PROFESSOR** or PROFESSOR. The successful candidate will be expected to continue an active, established research program; participate in the teaching missions of the Department; and contribute vision and leadership to the rapidly developing life science endeavor at the University. The Department has a collegial, energetic, and broad-based faculty; an excellent graduate program; and modern research facilities. With a student population of over 40,000, Texas A&M is an outstanding university centrally located between Dallas, Austin, San Antonio, and Houston. For more information about the Department, see website: http:// www.tamu.edu/biobio/. Applicants should send curriculum vitae, reprints of significant publications, and a statement of research interests to:

Ry Young Chair, Senior Faculty Search Committee Department of Biochemistry and Biophysics Texas A&M University 2128 TAMU

College Station, TX 77843-2128 Telephone: 979-845-2087; FAX: 979-862-4718 E-mail: ryland@tamu.edu

Review of applications will begin September 30, 2001, and continue until the position is filled. Texas A&M University is an Affirmative Action/Equal Opportunity Employer committed to diversity. To request ADA accommodations, please contact us at Telephone: 979-845-9427.

The School of Chemistry and Biochemistry of the Georgia Institute of Technology seeks to fill several TENURE-TRACK FACULTY POSITIONS. Exceptional candidates in all areas are encouraged to apply. Particular needs exist in the areas of analytical/ bioanalytical chemistry, inorganic, and organic/ bioorganic chemistry. Outstanding candidates for advanced rank positions are encouraged. Interdisciplinary candidates will be considered for joint appointments with other departments. Further information is available on our website: http://www.chemistry.gatech.edu. Candidates at the entry level should send an application letter, curriculum vitae, a summary of research plans, and should request three letters of reference. Advanced candidates should send curriculum vitae and the names of three references. All materials and requests for information should be directed to: Chair, School of Chemistry and Biochemistry, Georgia Institute of Technology, Atlanta, GA 30332-0400. Applications will be considered beginning October 15, 2001, but applications past that date will be considered until the positions are filled. Georgia Tech is an Equal Education/Employment Opportunity Institution.

ASSISTANT or ASSOCIATE PROFESSOR, Biochemistry, California State University, Long Beach, invites applications for one (possibly two) tenure-track positions beginning August 2002. Applicants must have a Ph.D. in biochemistry or a closely related area and a demonstrated potential for effective teaching and for developing an independent, externally funded research program involving undergraduate and Master's students. Postdoctoral experience preferred. To apply, submit a letter of application; a résumé; and a statement of research and teaching interests and have official transcripts from undergraduate and graduate institutions and three letters of recommendation sent by October 26, 2001, to: Dr. Jeffrey Cohlberg, Chair, Biochemistry Search Committee, Department of Chemistry and Biochemistry, California State University, Long Beach, CA 90840-3903. FAX: 562-985-8557. California State University, Long Beach, is an Equal Opportunity Employer committed to excellence through diversity and takes pride in its multicultural environment. An Equal Opportunity Employer/Affirmative Action Employer.

New Initiative in

Programmable Biomolecular Systems Research Division BioMIP at the GMD -

German National Research Center for Information Technology

The GMD has been a leading exponent of linking biology and information science in new technology and applications: starting with Bioinformatics and Autonomous Intelligent Systems a decade ago, the GMD was able to attract the exciting new research division of Biomolecular Information Processing (BioMIP) in 1999 with an international team lead by australian scientist Prof. John McCaskill. This independent research unit is pioneering evolvable hardware and DNA computing machines linking reconfigurable electronics with applied molecular evolution via reconfigurable microfluidic systems, single molecule detection and control, and novel computer architectures. The BioMIP research division has a clean-room of its own and is well equipped with modern resources in molecular biology, fluorescence detection as well as electronics.

The young and dynamic research team is looking for new collegues as PhD students, postdocs, engineers and leading scientists to develop all sides of a hybrid electronic-microfluidic-biomolecular programmable system having direct biotechnological applications well beyond DNA Chips.

The teams's multidisciplinary expertise, international reputation in basic evolution research, technology of tomorrow platform, and increasing liasons with industry ensure a bright future for prospective applicants from the areas of computer science (scientists and programmers), microfluidic systems (both scientists and engineers), molecular biology and physical chemistry.

See the GMD and BioMIP web sites **www.gmd.de/BIOMIP** for detailed information about applications and positions.

The National Research Center for Information Technology (GMD) is situated in idyllic castle grounds outside Bonn. German language is not essential.

Assistant Professor/Lecturer Biochemistry Education

The University of New Mexico School of Medicine, Department of Biochemistry & Molecular Biology, invites applications for an Assistant Professor/Lecturer. The successful candidate will teach introductory biochemistry courses and contribute to the biochemistry laboratory instruction. In addition it is expected that the candidate will make major contributions to ongoing curricular innovations

Minimum Requirements include a Ph.D., or equivalent degree, in biochemistry or chemistry and one year undergraduate teaching experience as a Teaching Assistant in biochemistry or chemistry courses and experience commensurate with appointment at the level of lecturer or assistant professor. Desirable qualifications: Experience in course management and development, demonstrated applications of multiple teaching techniques in supervised courses, development of student assessment tools that evaluate the student's ability to apply content knowledge to the solution of problems, implementation of constructivist teaching techniques in his/her courses and assessing student outcomes of those experiments, demonstrated abilities working on collaborative projects, research interests in educational scholarship and experience teaching in a problem-based curriculum. Applications from underrepresented groups are encouraged.

For best consideration, application materials must be received by October 1, 2001. Applicants must send their curriculum vitae, three letters of reference, and a statement of teaching philosophy to: Dr. William L. Anderson, Biochemistry Educator Search Committee Chair, Department of Biochemistry and Molecular Biology, School of Medicine, University of New Mexico, Albuquerque, NM 87131-5221.

For additional information about this position and UNM please visit our WEB site at hsc.unm.edu/som/bmb.

UNM School of Medicine is an Equal Opportunity/ Affirmative Action Employer and Educator

Harvard University Assistant Professors Plant and Fungal Biology

The Department of Organismic and Evolutionary Biology at Harvard University invites applications to fill three faculty positions at the assistant professorial level, to begin July 1, 2002. Initial appointment is for a term of five years, with the possibility of promotion, including to tenure. The search is directed toward three areas:

- · Plant systematics and diversity
- Comparative development and morphology of plants
- Fungal systematics, development and ecology

We seek to make appointments of individuals who will develop innovative research programs as well as contribute to teaching at the graduate and undergraduate levels. For further information on the Department, see http://www.oeb.harvard.edu; for the Harvard University Herbaria, see http://www.herbaria.harvard.edu

Applicants should submit by October 1, 2001, a curriculum vitae, statements of research and teaching interests, and the names and addresses of three references to:

N. Michele Holbrook 16 Divinity Avenue Cambridge, MA 02138

Harvard University is an Affirmative Action/ Equal Opportunity Employer.

CLUSTER HIRE IN FUNCTIONAL ORGANIC MATERIALS University of Wisconsin-Madison

The University of Wisconsin-Madison, under the Chancellor's Cluster Hire Initiative, invites applica-tions for three faculty positions (ASSISTANT, AS-**SOCIATE**, or **FULL PROFESSOR**) involving the synthesis and processing of functional organic materials. Interdisciplinary appointments are available in the Departments of Chemistry, Chemical Engineering, Materials Science and Engineering, Physics, and/ or in the School of Pharmacy. A commitment to excellence in research and undergraduate/graduate teaching is required. Research areas could include polymer synthesis; electronically and/or optically active organic materials; biocompatible materials; and new materials for imaging, patterning, or drug/gene delivery. Applicants for junior, tenure-track positions should send curriculum vitae and a concise description of research plans and arrange for three letters of recommendation to be sent. Applicants for tenured positions should send curriculum vitae, statement of research and teaching accomplishments, and the names of three references. Send materials to: Professor Mark Ediger, Functional Organic Materials Search Committee, Department of Chemistry, University of Wisconsin-Madison, Madison, WI 53706-1396 by November 1, 2001. Women and minorities are encouraged to apply. Unless confidentiality is requested in writing, information regarding the applicants must be released upon request. Finalists cannot be guaranteed

TENURE-TRACK FACULTY POSITION in the Department of Biochemistry and Molecular Biology, Indiana University School of Medicine. The successful candidate would be expected to develop an externally funded basic research program with relevance to diabetes and its complications. Areas of interest include but are not limited to molecular mechanisms of action of insulin and other relevant hormones, molecular and cellular aspects of metabolic control, proteomic or genomic approaches to diabetes research, obesity, and islet cell biology. Relevant research on model organisms such as flies, worms, or zebrafish is also of interest. The faculty would be associated with the newly created Center for Diabetes Research and would participate in training medical and graduate students. Applicants at all faculty ranks will be considered, and competitive space and start-up funding are available. Please send applications to: Dr. Peter J. Roach, Director, Center for Diabetes Research, Van Nuys Medical Science Building, MS405A, 635 Barnhill Drive, Indiana University School of Medicine, Indianapolis, IN 46202. Telephone: 317-274-1582; e-mail: diabetes@ iupui.edu. Indiana University is an Equal Opportunity/ Affirmative Action Employer; Minority/Female/Disabled/

The Department of Chemistry of the University of Chicago invites applications from outstanding individuals for the position of ASSISTANT PROFESSOR of chemistry. This search is in the areas broadly defined as inorganic, organic, and physical (theoretical) chemistry. Applicants should submit curriculum vitae, a list of publications, and a succinct outline of their research plans. Candidates should arrange for three letters of recommendation to be sent to: James R. Norris, Jr., Chairman, Department of Chemistry, The University of Chicago, 5735 South Ellis Avenue, Chicago, IL 60637. Deadline for application materials is October 15, 2001. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS immediately available to study the transcriptional regulation of drug metabolizing enzyme gene expression. Ph.D. or equivalent degree in biological sciences required. Send cover letter, curriculum vitae, and three references to: Dr. M. Runge-Morris, Institute of Environmental Health Sciences, Wayne State University, 2727 Second Avenue, Detroit, MI 48201. E-mail: m.runge-morris@wayne.edu. Wayne State University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

The Department invites applications for a cluster hire of four tenure-track organic faculty positions at the ASSISTANT PROFESSOR level. The expected beginning date is July 1, 2002. Preferred candidates will have a background and research interests in chemical biology. This includes but is not limited to biosynthetic/synthetic/computational combinatorial chemistry, natural products biosynthesis, chemical genetics, macromolecular ligand discovery, drug design, proteomics, etc. Candidates must have a strong commitment to research and teaching organic chemistry at the graduate and undergraduate level. A Ph.D. or equivalent degree is required. Applicants should provide curriculum vitae (including a list of publications), a two-page summary of previous research, concise research proposals, and three letters of reference to: Organic Recruitment Committee, Chemistry Department, Room 108, University of California, One Shields Avenue, Davis, CA 95616-5295. The position is open until filled but to assure consideration, applications and reference letters should be received by October 1, 2001. The University of California, Davis is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to developing a climate that supports Equal Opportunity and respect for differences.

California State University Fullerton, a comprehensive university that emphasizes both teaching and research, has a tenure-track opening in the Department of Chemistry and Biochemistry for an ASSISTANT PROFESSOR in biochemistry beginning August 2002. Responsibilities include teaching core biochemistry, biotechnology, and general education courses and establishing a productive research program involving students that attracts extramural funding. Research interests in all areas of biochemistry will be considered but preference will be given to candidates whose interests complement those of current faculty in biochemistry and chemistry (see website: http://chemsrvr2.fullerton.edu). An earned Doctorate and postdoctoral or equivalent experience are required. To ensure full consideration, send curriculum vitae; research plans; a summary of teaching philosophy and preferences; and arrange to have three letters of recommendation sent by October 15, 2001, to: Dr. Christina Goode, Chair, Search Committee, Department of Chemistry and Biochemistry, CSU Fullerton, P.O. Box 6866, Fullerton, CA 92834-6866, Affirmative Action/Equal Opportunity Employer. Women and minority candidates are particularly encouraged to apply.

California Institute of Technology: Applications are being accepted for a tenure track position as ASSISTANT PROFESSOR of chemical engineering with an initial appointment of four years contingent upon completion of all requirements for a Ph.D. Outstanding individuals with a strong commitment to original research and teaching excellence are encouraged to apply. Curriculum vitae including a list of publications, a brief description of proposed research activities, and three letters of recommendation should be sent to: Chair of the Faculty Search Committee, Chemical Engineering, Mail Code 210-41, California Institute of Technology, Pasadena, CA 91125. Applications should be received by January 1, 2002. Caltech is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

ASSISTANT/ASSOCIATE PROFESSOR

One long-term-track faculty position. Begin January 2002 or August 2002. Ph.D. required. Primary teaching responsibility will be environmental science courses along with freshman biology courses. Experience in small college preferred. Liberal arts environment. Responsibilities include academic advising and committee work. Expected to engage in research with undergraduates, to publish, and to seek extramural funding for one's research. Strong record of teaching excellence and scholarship desirable. Letter stating interests; complete résumé; transcripts; and three letters of reference due prior to November 1, 2001, to: Sr. John Karen Frei, Dean, School of Natural and Health Sciences, Barry University, Miami Shores, FL 33161.

POSITIONS OPEN

TRANSLATIONAL RESEARCH IN T CELL ADOPTIVE IMMUNE THERAPY

The University of Minnesota Cancer Center, Center for Immunology, and the Blood and Marrow Transplant Program invite applications for a tenure or tenure-track position at the rank of ASSISTANT, ASSOCIATE, or FULL PROFESSOR (depending upon qualifications) in the area of human T cell adoptive immune therapy. The goals of the individual recruited to this position will be to develop clinical trials involving the infusion of human T cells in hematopoietic stem cell transplant recipients either to provide an antitumor response, antiviral response, or as conditioning therapy that is not toxic in transplant recipients. The individual will join an active group of laboratory and clinical Investigators comprising a human transplantation immunotherapy trials group.

The successful candidate will have an M.D. or Ph.D. degree and a track record of accomplishments and expertise in manipulating immune cells. Successful candidates will be expected to develop an extramurally funded research program. The primary department will depend upon the interests and background of the individual candidate. Excellent facilities are available in the University of Minnesota Cancer Center and the Molecular and Cellular Therapeutics GMP facility for large-scale human clinical investigations. Opportunities exist for collaborative research projects. Salary and start-up funds will be competitive.

Applicants should send current curriculum vitae, statement of research interests and intentions, and three letters of reference to: John E. Wagner, M.D., Scientific Director of Clinical Research of the Blood and Marrow Transplantation Program, University of Minnesota, Mayo Mail Code 366, 420 Delaware Street S.E., Minneapolis, MN U.S.A. 55455-0392.

Completed applications should be received by October 31, 2001, but the position will remain open until the position is filled by a suitable applicant. The University of Minnesota is an Equal Opportunity/Affirmative Action Employer.

The University of Wisconsin-Madison is seeking outstanding faculty candidates at the ASSISTANT PROFESSOR level (tenure track) in all areas of chemistry. Candidates must have a Ph.D. in chemistry or a related field; postdoctoral experience is desirable. The position requires development of an internationally recognized program of scholarly research as well as excellent teaching at both the undergraduate and graduate level. Please send curriculum vitae and a concise description of research plans and arrange for three letters of recommendation to be sent to: Professor Robert J. Hamers, Chair of Faculty Search Committee, Department of Chemistry, University of Wisconsin-Madison, Madison, WI 53706-1396. To guarantee full consideration, all materials must arrive before October 15, 2001. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer; applications from qualified women and minority candidates are encouraged. Unless confidentiality is requested in writing, information regarding the identity of the applicant must be released on request. Finalists cannot be guaranteed confidentiality.

A POSTDOCTORAL POSITION in microbial pathogenesis is available to investigate virulence mechanisms of Moraxella catarrhalis, an etiologic agent of middle-ear disease in infants and young children. Emphasis will be placed on structure-function analysis of M. catarrhalis gene products involved in attachment of this pathogen to human cells. Experience with recombinant DNA techniques is required. Position includes salary, fringe benefits, and the opportunity to work in a dynamic research environment. Position available after September 1, 2001. Send curriculum vitae and the names and telephone numbers of three references to: Dr. Eric J. Hansen, Department of Microbiology, The University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75390-9048. FAX: 214-648-5905; e-mail: cric. hansen@utsouthwestern.edu. UT Southwestern is an Equal Opportunity/Affirmative Action Employer.

As manufacturers of the highest quality pharmaceutical, diagnostic, nutritional and hospital products,
Abbott Laboratories is committed to improving lives. Share our vision for a healthier

improving lives. Share our vision for a healthier world and put more of what matters in life into your career, including a competitive salary, solid benefits and challenges that live up to your professional and personal goals.

Director of Scientific Communications

Reporting to the DVP, Scientific Operations, and supervising a staff of writers, publicists, and agency personnel, this professional will develop scientific communications including website, newsletter and news flash updates, as well as providing speech writing/presentation support for corporate officers, acting as a liaison to corporate and media relations, and strategizing with all functional heads within Global Pharmaceutical Research and Development. Will also negotiate contracts, and provide feedback from professional, consumer, trade, business and local media. Will provide media training for scientists participating in interviews, coordinate press release review processes and recruit and train external media spokespeople (primarily physicians) to offer positive media interviews on science, technologies, and the Abbott scientific community. Will also perform ongoing journal searches to identify, analyze, and distribute scientific information/abstracts, as well as being ultimately responsible for ensuring all messages released to the media on R&D compounds are consistent with long-range product

Requirements include a graduate level degree in science (M.D./Ph.D. preferred), and a bachelor's degree (or equivalent work experience) in one of the following: journalism, mass communications or public relations. Must have a background in speech writing and 8-12 years experience in a research and communications role that included scientific, editorial (trade or consumer press), publication, media relations, employee communications and communication strategy responsibilities. Must exercise a high degree of creativity to meet scientific communication objectives within FDA guidelines. Will possess a strong working knowledge of medicine/science to develop effective communication plans, and be able to correlate research communication programs with pharmaceutical longrange marketing goals.

Follow your aspirations to Abbott for diverse opportunities, competitive salaries, great benefits, a 401k retirement savings plan, a company paid pension plan and profit sharing, as well as growth and stability to build your future. For immediate consideration, please visit our website at www.abbott.com. Click on 'Career Center,' then 'Job Opportunities,' and insert '4615 HS' in the 'Keyword' field at the bottom of the page.





Leading the Way for a Healthier World 154

At Wyeth, a division of Fortune 500 American Home Products Corporation, we have set ourselves apart from the others in the pharmaceutical industry by discovering and developing exceptional pharmaceutical, vaccine and nutritional products. Our strong name becomes even stronger when linked to our outstanding vaccines such as Prev(e)nar® and Menigitec®. Our superior research, manufacturing, sales and marketing are the result of the effort of our employees united in a shared vision - leading the way for a healthier world. We currently have an opening at our Rochester, NY facility.

Associate Director, Protein Chemistry - Bacterial Vaccine Discovery Department

- Perform research on the identification, purification and characterization of protein vaccine antigens
- Develop and characterize peptide-protein conjugate vaccines
- Direct research activities of approximately 12 scientists involved in the purification and characterization of native and recombinant proteins of bacteria

Oualifications:

- Ph.D. in Biochemistry or related area with specialization in Protein Chemistry
- Minimum of 10 years research experience in related fields in academia or industry
- Knowledge in the development of well-characterized biological products
- Interest and knowledge in proteomics
- Supervisory experience in managing a small research department
- Work experience in industrial setting is an advantage, but not required

The collective skills of 40,000 of the world's top talent keep us on the cutting edge. We care for our people by offering flexible schedules, rich avenues for advancement, generous compensation, stock options, childcare subsidies, education assistance, and other great benefits. For consideration, please forward your resume and salary requirements to: Wyeth Pharmaceuticals, Attn: Jennifer Morey, 211 Bailey Road, West Henrietta, NY 14586-9728. Fax: 716-273-7540. E-mail: moreyj@war.wyeth.com No phone calls. Principals only. Equal Opportunity Employer M/F/D/V







FACULTY POSITIONS DEPARTMENT OF BIOLOGICAL SCIENCES University of Pittsburgh

As part of our continuing expansion, the Department of Biological Sciences at the University of Pittsburgh invites applications for full-time, tenure-track positions in the following areas: cell biology, gene expression, developmental biology, and ecology and evolution.

Four appointments are expected to be made at the ASSISTANT PROFESSOR level, but experienced candidates with outstanding records will be considered for appointments at higher ranks. The Department of Biological Sciences (website: http://www. pitt.edu/~biology) represents a broad-based, inter-disciplinary, and highly interactive group of approximately 30 Researchers whose interests encompass nearly every area of modern experimental biology. The successful candidates must have a Ph.D.; postdoctoral experience; and will be expected to establish an extramurally funded research program, train graduate students, and participate in undergraduate education. Appointments are anticipated to begin in September 2002 pending budgetary approval. In order to ensure full consideration, applications must be received by October 15, 2001. Applicants should indicate for which position they are applying, should send curriculum vitae along with a summary of research interests and goals, and arrange to have at least three letters of reference sent to:

Search Committee Department of Biological Sciences University of Pittsburgh Pittsburgh, PA 15260 Telephone: 412-624-4266

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups underrepresented in academia are especially encouraged to apply.

POSTDOCTORAL FELLOWSHIP POSITIONS

Postdoctoral Fellowship positions are available in the Children's Memorial Institute for Education and Research of Northwestern University Medical School. Research opportunities exist in state-of-the-art laboratories interested in developmental genetics. In order to ensure full consideration, please send application letter, names of three references, and curriculum vitae to:

Philip Iannaccone, M.D., D.Phil.
Children's Memorial Institute for Education
and Research
Northwestern University Medical School and
Children's Memorial Hospital
2300 Children's Plaza, Number 204
Chicago, IL 60613 U.S.A.
Attention: Postdoc
FAX: 773-880-8266
E-mail: d-iilly@northwestern.edu

Northwestern University and Children's Memorial Hospital are Affirmative Action/Equal Opportunity Employers. Hiring is contingent upon eligibility to work in the United States. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION AT THE NIH

The Radiation Oncology Branch, Center for Cancer Research, National Cancer Institute, NIH, seeks candidates with credentials in molecular biology and biochemistry for a Postdoctoral position. Experience in molecular mechanisms involved in the radiosensitization of prostate cancer cells by nonsteroidal anti-inflammatory agents and/or in relevant biology is required. Candidates must have a Ph.D. Candidates must be U.S. citizens or pennanent residents. If interested please send a cover letter and your curriculum vitae to: Nancy Kesteven, Radiation Oncology Branch, NCI, Building 10, Room B3B69, 10 Center Drive, MSC 1002, Bethesda, MD 20892-1002. Telephone: 301-496-5457; FAX: 301-480-5439. NIH is an Equal Opportunity Employer.

POSITIONS OPEN

CARNEGIE MUSEUM OF NATURAL HISTORY Section of Botany

Applications from Ph.D.-level Botanists are invited for a **CURATORIAL POSITION** (rank open). The Museum seeks a phylogenetic Biologist demonstrating excellence in collection-based research in systematic botany, especially integrating molecular and morphological approaches and addressing major conceptual issues in systematics, evolution, or ecology.

Desirable qualifications include external funding for research and experience in curation and public programs. Send curriculum vitae, five reprints, a statement of professional goals, and three letters of reference to: John R. Wible, Dean of Science, Carnegie Museum of Natural History, 4400 Forbes Avenue, Pittsburgh, PA 15213 by October 31, 2001.

INVERTEBRATE PATHOBIOLOGIST

The Department of Environmental Sciences at the Virginia Institute of Marine Science/School of Marine Science of the College of William and Mary invites applications for a full-time (12-month), tenuretrack position at the level of ASSISTANT/ASSO-CIATE PROFESSOR to begin in spring 2002. We seek a faculty member with experience in the pathobiology of invertebrates with particular reference to infectious and noninfectious diseases of decapod crustaceans. The successful candidate should possess demonstrated expertise in working with aquatic pathogens including those of zoonotic potential. Research topics of interest should include but are not limited to mechanisms of host-parasite interaction, zoonotic diseases, or the effects of chemical exposure on host-parasite interactions. The research should encompass an applied aspect related to the resolution or management of disease in cultured or natural populations

The successful candidate will have a Ph.D. degree in microbiology, invertebrate pathology, or a related field and demonstrate a strong record of accomplishment backed by peer-reviewed publications, experience in teaching and mentoring in their area of research expertise, and excellent potential for extramural funding.

Applicants should submit a letter of application, curriculum vitae, three letters of reference, and a statement of research interests to: Dr. Morris H. Roberts, Jr., Chair, Department of Environmental Science, Virginia Institute of Marine Science, College of William and Mary, P.O. Box 1346, Gloucester Point, VA 23062. Review will begin October 1, 2001, and will continue until an appointment is made. The College is an Equal Employment Opportunity/Affirmative Action Employer.

Manhattan College, an independent Catholic coeducational institution in the Lasallian tradition located in the Riverdale section of New York City, seeks ap plications for a tenure-track position as ASSISTANT PROFESSOR in the Department of Chemistry and-Biochemistry to begin fall semester 2002. The successful candidate will have a demonstrated interest in and commitment to undergraduate teaching and research. A major portion of the individual's teaching schedule will be in science courses for nonscience majors. Preference will be given to individuals with a strong background in physical organic chemistry and spectroscopy, but other specialties will be considered if the interests complement those of the Department. Applicants should arrange to have their curriculum vitae and three letters of recommendation sent to: Dr. John Wasacz, Chairperson, Department of Chemistry and Biochemistry, Manhattan College, 4513 Manhattan College Parkway, Riverdale, NY 10471. Review of applications will begin September 1, 2001, and continue until the position is filled. An Affirmative Action/Equal Opportunity Employer; Minorities/ Females/Disabled/Veterans. We are committed to a diverse workforce. Women and minorities encouraged to apply.

POSITIONS OPEN

ASSISTANT PROFESSOR Terrestrial Ecosystem/Plant Ecologist University of California, Santa Barbara

Search reopened. The Department of Ecology, Evolution, and Marine Biology (EEMB) seeks an Ecologist for a tenure-track position for research and teaching in terrestrial ecosystem/plant ecology. We seek candidates whose research is focused on terrestrial ecosystems and plant community dynamics. We are especially interested in applicants whose research is aimed at understanding ecosystem processes and that are solidly grounded in plant ecology. The scale of research can vary from the plot to the landscape. Examples of potentially relevant areas include but are not limited to interactions between community composition/diversity and species invasions with carbon and nutrient cycles, changing CO2/climate effects on ecosystems, and landscape/soil controls on community dynamics. Teaching responsibilities will include instruction in ecosystem and plant ecology at both the undergraduate and graduate levels. Applicants who have completed at least one year of postdoctoral research will be preferred. Submit curriculum vitae, selected reprints, a brief description of previous and anticipated research, and arrange to have at least three letters of reference sent to: Ecosystem Ecology Search Committee, Department of Ecology, Evolution, and Marine Biology, University of California, Santa Barbara, CA 93106. Review of applications will begin November 15, 2000, and will continue until the position is filled. UCSB is an Equal Opportunity/Affirmative Action Employer.

INTEGRATIVE PHYSIOLOGIST

The Department of Environmental, Population, and Organismic Biology at the University of Colorado, Boulder, invites applications for a tenure-track Integrative Physiologist who applies molecular and or biochemical approaches to the study of cellular function within a comparative and/or environmental context. Individuals working with any taxa and/or model system are encouraged to apply. The Department anticipates hiring at the ASSISTANT PRO-FESSOR level. However, applications at other levels may be considered. The tentative start date is 19 August 2002. Teaching duties will include an undergraduate core course in cellular and integrative physiology and upper-level courses in areas of specialty. Applicants should submit current curriculum vitae, statements of research and teaching interests, and have three individuals send letters of recommendation under separate cover. Submit materials by October 15, 2001, to: Integrative Physiologist Search Committee, Department of EPO Biology, Campus Box 334, University of Colorado, Boulder, CO 80309-0334. The University of Colorado at Boulder is committed to diversity and Equality in Education and Employment.

POSTDOCTORAL RESEARCH ASSOCI-ATE, GENOMICS RESEARCH SCIENTIST. U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Ames, Iowa. The incumbent will assist in research involving functional genomics of Mycobacterium paratuberculosis with a multiinstitutional research team at the University of Minnesota, St. Paul, Minnesota, and the National Animal Disease Center, Ames, Iowa. Candidates must have experience in the application of molecular genetic techniques as it relates to genomics. Experience with mycobacteria and proteomics is beneficial. A Ph.D. in a related field is required. Two-year appointment with benefits. Salary commensurate with experience (\$43,326 to 56,322 per year). Deadline for applications is September 15, 2001. For information on the position, contact: Dr. John Bannantine; Telephone: 515-663-7340; e-mail: jbannant@nadc.ars.usda.gov. Applications in response to this advertisement should be sent along with three letters of reference to: Dr. John Bannantine, USDA/ARS National Animal Disease Center, 2300 North Dayton Avenue, Ames, IA 50010. The USDA is an Equal Opportunity Provider and



POSTDOCTORAL POSITION

 Available Immediately • (REF #2980)

A Postdoctoral Position is available immediately to investigate the role of phospholipids in development and physiology. Mouse knock-out models with defects in phosphatidylcholine or phosphatidylethanolamine metabolism will be available to study lung function, bile production, sensory development, possible neural defects and responses to challenge with infectious agents.

Candidates with a recent Ph.D. and a strong interest in the enzymes that regulate phospholipid metabolism should apply by sending a curriculum vitae, a short statement of research interests, and the names of three references, **including REF #2980**, to:

Dr. Suzanne Jackowski
Protein Science Division
Department of Infectious Diseases
Danny Thomas Research Tower, Rm. 4007B
St. Jude Children's Research Hospital
332 N. Lauderdale
Memphis, Tennessee 38105
suzanne.jackowski@stjude.org

Director of the Fellow Recruitment and Career Development Office Division of Intramural Research National Institute of Diabetes and Digestive and Kidney Diseases

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH) invites applications for a Title 42 Staff Scientist to serve as Director of the Fellow Recruitment and Career Development Office. The Office will have responsibility for the approximately 600 fellows who are training within the NIDDK intramural research program. The incumbent will perform the following duties: develop and direct a fully integrated program for the research training and career development of pre-doctoral and post-doctoral fellows including training in scientific communication, preparing curricula vitae and grant writing, and providing career counseling; develop and conduct a fellow recruitment process; serve as ombudsman for fellows and their mentors; develop and implement a fellow orientation program; monitor the performance review process. A committee composed of senior scientists, junior scientists, post-doctoral fellows and pre-doctoral fellows will advise the Director.

The Fellow Recruitment and Career Development Office will be located on the main intramural campus of the NIH in Bethesda, Maryland, a suburb of Washington, DC.

Candidates must have a Ph.D., M.D., or equivalent degree in the biomedical sciences. Interested applicants should send a curriculum vitae and three letters of reference to:

Ms. Kay Place
Office of the Director
Division of Intramural Research
Building 10, Room 9N222
NIDDK, NIH
Bethesda, MD 20892-1818

NIH is an Equal Opportunity Employer.



The University of Chicago

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

FACULTY POSITIONS DEPARTMENT OF HUMAN GENETICS

The Department of Human Genetics at The University of Chicago is recruiting new faculty for the coming academic year. Current strengths of the university genetics community include outstanding programs in complex disease analysis, evolution, molecular cytogenetics, neurobiology, neurogenetics, population genetics, and cancer genetics.

We are recruiting outstanding tenure track faculty in broad areas of human genetics research, including but not limited to bioinformatics, computational genetics and genomics, experimental genomics, genetics of complex diseases, pharmacogenetics, neurogenetics (e.g. epilepsy genetics and developmental neurobiology), molecular cardiology, and mouse models of human diseases.

State-of-the-art research space and generous start-up funds are available. Applicants must have strong potential for development of an outstanding independent research program. The successful recruit will be expected to participate in graduate and undergraduate teaching. Positions are open to PhD, MD, and MD/PhD candidates. Individuals with ABMG (or ABPN for those in neurogenetics) board certification or eligibility are encouraged to apply. Although the search is primarily aimed at Assistant Professor level scientists, appointments at other levels will be considered.

Submit your letter of interest, CV, research statement, names/addresses of three references via e-mail attachments to recruit@genetics.uchicago.edu and indicate "faculty position" in subject line.

Chairman, Human Genetics Search Committee Department of Human Genetics The University of Chicago

http://www.genes.uchicago.edu



The University of Texas at Austin

Faculty Positions in Chemical and Structural Biology

The Institute for Cellular and Molecular Biology Department of Chemistry and Biochemistry

The Institute for Cellular and Molecular Biology and the Department of Chemistry and Biochemistry invite applications for tenure track faculty positions at a rank commensurate with experience. Researchers from all areas of Chemical and Structural Biology are welcome, but those with experience in X-ray crystallography are particularly encouraged to apply. The successful applicants will be expected to develop an aggressive research program, to participate in undergraduate and graduate education, and to contribute to a dynamic and interactive academic atmosphere. Chemical and Structural Biology are areas of emphasis within the new Institute for Cellular and Molecular Biology headed by Dr. Alan Lambowitz. Exceptional start-up packages are available. Austin is located in the Texas hill country and is widely recognized as one of America's most beautiful and livable cities.

Candidates should submit a current curriculum vitae and a summary of research experience and future goals, together with at least three letters of recommendation. To assure full consideration applications should be received by October 15, 2001. Material should be sent to:

Dr. Jon Robertus Chair of the Search Committee Department of Chemistry and Biochemistry The University of Texas at Austin Austin TX 78712

Homepages • http://www.icmb.utexas.edu • http://www.cm.utexas.edu
The University of Texas at Austin is an Equal Opportunity Employer.
Qualified women and minorities are encouraged to apply.

SPELMAN COLLEGE

Spelman College invites applications for the following grant-funded positions in our new state-of-the-art Science Center:

RESEARCH TECHNICIAN

Will perform molecular and immunology studies relating to Chlamydia and aimed at the understanding of cell-mediated immunity, cellular recruitment, trafficking, and retention. Will be responsible for general organization and management of the laboratory and supervision of undergraduate research students. Bachelor's degree in molecular biology, biochemistry, or general biology with one to three years of experience in molecular biology techniques required. Background in histochemistry, DNA and protein analysis; experience in Western blot, PCR, and gel electrophoresis preferred.

POSTDOCTORAL FELLOW/ RESEARCH ASSOCIATE

Position I will study the role of the Shiga toxin receptor and toxin-like proteins in immune responses. Projects include the role of toxin receptors in antigen presentation in Burkitt's lymphoma cells, receptor function in murine B cells, and the identification of receptor-binding sites on human proteins. Background in carbohydrate/glycolipid research desirable but not required. Ph.D. degree in immunology/microbiology, cell biology, or protein chemistry required.

Position II will study gene expression during microbial infection and associated inflammation using PCR and other molecular biology techniques. Perform cloning and expression of recombinant chemokines and chemokines receptor proteins. Assist in laboratory management and maintenance as well as with grant proposal and manuscript preparation. Ph.D. degree in biochemistry, microbiology, immunology, cell and molecular biology, genetics, or other related fields and one to three years of experience in protein chemistry, nucleic acid chemistry, and/or bacterial genetics at the Doctoral and/or postdoctoral level required. Experience with image analysis preferred.

Mail or FAX letter of application, résumé, the names and addresses of three professional references, and salary requirements to: Recruiter, Spelman College, Office of Human Resources, 350 Spelman Lane, S.W., Box 1133, Atlanta, GA 30314. Email: jthompki@spelman.edu. Excellent benefits package. Equal Employment Opportunity/Affirmative Action Employer.

RESEARCH FELLOW/ RESEARCH SCIENTIST

Laboratory position available for studies of the molecular pathogenesis of mesothelioma including receptor activation, signal transduction, and generics. The candidate must have two years of documented experience in research, be proficient in a broad range of laboratory techniques in molecular biology and biochemistry, and be adept at handling fresh and cultured tumor specimens. Submit curriculum vitae and three references to: Robert N. Taub, M.D., Ph.D., Director, Mesothelioma Center, Irving Pavilion 916, 161 Fort Washington Avenue, New York, NY 10032 or e-mail resumé to: mesotheliomaposition@yahoo.com. Columbia University is an Equal Opportunity/Affirmative Action Employer.

VIRAL IMMUNOLOGIST. Advanced Viral Research Corporation seeks Viral Immunologist(s) to investigate mechanism of action of peptide-nucleic acid antiviral biopharmaceuticals, including effects on immune system function. Candidates must be able to design and implement a research program to study role of immunomodulatory drugs in treatment of viral diseases both in vitro and in vivo. Registered Ph.D. or equivalent and more than two years of postdoctoral experience; expertise in immunology, basic and applied virology, and cell and molecular biology essential. Please submit curriculum vitae to: Human Resources Department, Reference Number MGAD, Advanced Viral Research Corporation, 200 Corporate Boulevard, South, Yonkers, NY 10701. FAX 914-376-7368.

POSITIONS OPEN

BIOLOGISTS College of the Holy Cross

We invite applications for two tenure-track ASSIST-ANT PROFESSORSHIPS in biology. Each successful candidate will hold a Ph.D. at the time of appointment and will be expected to develop an active research program involving undergraduate students. Holy Cross is a highly selective, exclusively undergraduate liberal arts college (enrollment 2,700) that values excellence in both undergraduate teaching and research.

BIOCHEMIST

A Biochemist will be hired to teach a course in biochemistry with laboratory, an additional upper-division course in an area of expertise, and a course for nonscience majors. A research program in biochemistry and participation in our Biochemistry Concentration are expected.

ECOLOGIST

An Ecologist will be hired to teach a field course in freshwater ecology, a second upper-division course in an area of expertise, and a course in environmental biology for nonscience majors. Participation in our interdisciplinary program in environmental studies is expected along with development of a research program in freshwater ecology, ecosystem ecology, or conservation biology.

Applications consisting of curriculum vitae, transcripts, copies of publications, and letters from three references should be submitted no later than 10 October 2001 to: Dr. Mary Lee Ledbetter, Chair, Biochemistry Search Committee or Dr. Susan Berman, Chair, Ecology Search Committee, Department of Biology, College of the Holy Cross, Worcester, MA 01610. The College of the Holy Cross is committed to a policy of Equal Opportunity and does not discriminate on the basis of race, religion, sex, age, national origin, veteran status, or disability.

TENURED/TENURE-TRACK INVESTIGATOR Laboratory of Clinical Investigation National Institute of Allergy and Infectious Diseases

The Laboratory of Clinical Investigation (LCI) has an opportunity for a tenured or tenure-track Investigator to conduct studies that complement the existing research interests of the laboratory, specifically the immunology of autoimmune/inflammatory conditions and/or the pathogenesis of chronic infections. For more information about LCI and NIAID Intramural programs, see website: http://www.niaid.nih.gov/dir. An ideal candidate will have welldeveloped clinical interests and will initiate patientoriented research studies leading to the improved understanding and/or novel therapies of diseases in the field of interest. Candidates must be U.S. trainces or ECFMG/USMLE-certified physicians with specialty training. Salary will be dependent upon qualifications. Other incentives may be available. Curriculum vitae; bibliography; three letters of reference; a detailed statement of research interests; and selected publications must be submitted by September 1, 2001, to: Ms. Joann Martin, Office of Human Resources Management, NIAID, Building 31, Room 7A27. 31 Center Drive, MSC 2520, Bethesda, MD 20892-2520. All information provided by the applicants will remain confidential and will be viewed only by authorized officials of the NIAID.

NIH is an Equal Opportunity Employer.

CARDIOVASCULAR SCIENTIST. The Molecular Cardiology Institute, a small, private, not-for-profit laboratory, seeks a Molecular and Cell Biologist (Ph.D.) with strong background in cardiovascular research. Independent thinker with proven skills as writter of scientific papers. Experience with cardiomyocytes isolation and culture, microinjection, protein expression, HPLC, immunocytochemistry, and mitochondria extraction and function analysis. Alust be U.S. citizen or permanent resident. Write or e-mail to: Jose Marin, M.D., Director, 75 Raritan Avenue, Highland Park, NJ 08904. E-mail: tmci@att.net.

POSITIONS OPEN

TENURE-TRACK FACULTY POSITIONS

Applications are invited for tenure-track faculty positions in the Department of Physiology and Biophysics at the University of Mississippi Medical Center. Applicants will be considered for ranks of AS-SISTANT, ASSOCIATE, or FULL PROFES-SOR and must have a Ph.D. and/or M.D. degree with appropriate postdoctoral research experience. Special consideration will be given to candidates with strong backgrounds in genomics and molecular and/or cellular physiology; imaging; and research interests that complement existing areas of excellence in cardiovascular, renal, and neuroendocrine physiology or the pathophysiology of kidney disease, hypertension, obesity, diabetes, and vascular disease. The successful candidate is expected to develop a nationally recognized research laboratory supported by extramural funding and to contribute to the teaching and service missions of the Department. The large group of cardiovascular Scientists in the Department and in the Center of Excellence in Cardiovascular-Renal Research (CECR) offer excellent opportunities for collaboration at genomics, molecular, cellular, or systems levels of integration. For more information, the Physiology Department and CECR websites can be accessed at websites: http://phys-main.umsmed.edu and http:// cecr.umsmed.edu. Applicants should send curriculum vitae, a statement of research interests, previous and current extramural research funding, career goals, and the names of at least three references to: Dr. John E. Hall, Department of Physiology and Biophysics, University of Mississippi Medical Center, Jackson, MS 39216-4505. Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.

PHYSIOLOGIST

Luther College invites applications for a tenure-track ASSISTANT PROFESSOR beginning September 2002. Teaching responsibilities include Introduction to Human Physiology, an advanced course in specialty area, and participation in a team-taught principles of biology course. Ph.D. required; teaching and postdoctoral experience desirable. Directing undergraduate students in physiology research expected. We seek faculty committed to undergraduate teaching and research in the context of a liberal arts college. For more information, visit our department website: http://biology.luther.edu. Other information posted at website: http://www.luther.edu. Review of applications complete by October 15, 2001. Send letter of application, curriculum vitae, three letters of recommendation, and transcripts of undergraduate and graduate work to: Dr. Jim Eckblad, Head, Department of Biology, Luther College, Decorah, IA 52101-1045. E-mail: eckbladj@luther.edu. An Equal Employment Opportunity Employer.

RESEARCH ASSOCIATE position available for one year to study potential anticancer effects of 12-O-terradecanoylphorbol-13-acetate. Position requires a Ph.D. or equivalent and extensive postdoctoral experience in mechanisms of differentiation, apoptosis, and growth regulation. Salary is commensurate with experience, and a comprehensive benefits package is available. Please send curriculum vitae by October 1, 2001, to: Ms. Deborah Bachorik, Laboratory for Cancer Research, College of Pharmacy, Rutgers, The State University of New Jersey, 164 Frelinghuysen Road, Piscataway, NJ 08854-8020. FAX: 732-445-0687.

STAFF SCIENTIST: Opportunity for an expert in protein purification and characterization. Successful candidates will have experience with a range of biochemical techniques and in protein purification as well as a broad knowledge of protein chemistry. An M.S. degree in biochemistry or related field and one to three years of experience or a B.S. with six to eight years of experience is a must. Experience with fermentation, enzymology, or analytical methods is desired. Forty hours per week; salary commensurate with experience. Submit résumé to: Box Number 104, 1200 New York Avenue, N.W., Washington, DC 20005.

University of Minnesota—Twin Cities Department of Biochemistry, Molecular Biology and Biophysics Tenure-Track Assistant Professor Positions

In conjunction with the completion of the new Molecular and Cellular Biology Building, and as part of campus-wide initiatives in genomics and proteomics, the Department of Biochemistry, Molecular Biology and Biophysics invites applications for full-time, tenure-track Assistant Professor positions to begin on or around July 1, 2002. The Molecular Biology division seeks candidates with interests that complement those of the current members of the department, particularly in the molecular biology of mammalian organisms and cells. The Regulatory Biochemistry division seeks candidates for one or more positions in the area of biological regulation and signal transduction. Applicants should specify the position for which they wish to be considered. For more details about the Department please consult: http://cbs.umn.edu/BMBB/.

Successful candidates will be expected to develop strong, externally funded research programs and contribute to the undergraduate, graduate and professional teaching programs of the department. The ability to interact collaboratively among a variety of disciplines will be strongly encouraged. All candidates must have a Ph.D. and/or MD degree. Desired experience includes at least two years of postdoctoral experience and a strong publication record.

Successful candidates will receive a substantial start-up package to establish their laboratories and a salary commensurate with education and experience. We will begin reviewing applications on October 1 and applications will be accepted until the positions are filled. Please send curriculum vitae, a brief statement of current and future research, and three letters of recommendation that consider both research and teaching potential. Address these materials to either the Molecular Biology Search Committee or the Regulatory Biochemistry Search Committee, c/o Mr. Jeff Schaub, University of Minnesota, Department of Biochemistry, Molecular Biology and Biophysics, 6-155 Jackson Hall, 321 Church Street S.E., Minneapolis, MN 55455 or as an attachment to schaub@biosci.cbs.umn.edu.

The University of Minnesota is an Equal Opportunity Educator and Employer

The Institute for Systems Biology invites applicants for senior and junior faculty positions in Computational Biology. ISB is a non-profit research institute with strategic alliances with industry and academe, located in Seattle, Washington. ISB, focusing on post-genomic opportunities in systems biology, is committed to the development and application of new technologies and data production facilities to gather the large datasets necessary for "discovery science" and the modeling of complex biological systems.

For the senior position, we seek an interdisciplinary team leader for our computational biology group. This leader will provide mentoring for scientists and junior faculty members, and will coordinate our efforts to develop and apply state-of-the-art computer science to biological problems. The junior faculty position will be a key member of our computational biology leadership team, will participate in and serve as Principal Investigator on projects and grants, and will help to shape the growth of computational biology at ISB.

Each faculty member will establish and lead a strong research group, working on complex biological problems to carry out the mission and aims of research projects. We are particularly interested in the integration of a variety of current and future high throughput technologies to understand the structure and interplay of networks and pathways in complex biological systems. Current applications range from model systems such as yeast to immunity. Demonstrated creative ability is required: innovation must be displayed in candidate's work and in a vision for this exciting field.

We enjoy close collaborations with the University of Washington Department of Computer Science and Engineering, and these and future appointments are expected to strengthen and extend these and other relationships. Rank and salary will be commensurate with background and experience. More information about ISB can be found at www.systemsbiology.org.

Nominations, applications and requests for further information should be directed to Leroy Hood, MD, Ph.D., Director, Institute for Systems Biology, 4225 Roosevelt Suite 200, Seattle WA 98105-6099, fax: 206-732-1260, email: Ihood@systemsbiology.org. Applicants should submit a current Curriculum Vitae, a statement of research interests and the names and complete addresses of at least 4 references; letters of reference should not be included. The review of applications will begin immediately; those received by October 1, 2001 will receive full consideration. Applications received after that date will be reviewed until the position(s) are filled.



The University of Chicago

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

Postdoctoral Positions
The Molecular Genetics of Brain
Development, and Molecular
Cytogenetics and Genomics

We are seeking highly motivated individuals to join several existing projects and embark on new projects involving the molecular genetics of brain development, and molecular cytogenetics and genomics. This will involve work in the laboratories of Drs. David H. Ledbetter and William B. Dobyns. Our large project studying the molecular genetics of brain development includes (1) molecular analysis of lissencephaly (smooth brain), and (2) molecular analysis of polymicrogyria and related malformation. New projects searching for the genetic causes of other brain malformations are just starting. Molecular cytogenetics and genomics projects include (3) studies of the proximal 15q region involved in Angelman and Prader-Willi syndromes and the inv dup 15 associated with autism, and (4) the structure and evolution of human and primate telomeres. For a partial list of lab research interests, see website http:// www.genes.uchicago.edu/home.html.

Candidates should be highly ambitious, with a strong track record of research productivity and publications. Send your CV via e-mail attachment to recruit@genetics.uchicago.edu and indicate "post-doc position" in subject line.

Ribozyme Pharmaceuticals Inc, located in beautiful Boulder, CO, is working on innovative ways to use the Nobel-Prize winning ribozyme technology to help the human body manage specific diseases. Our Biochemistry Department offers the following challenging career opportunity:

Scientist

We are seeking a Scientist to work on novel delivery technologies for nucleic acid therapeutics. Position requires a Ph.D. in Biochemistry or related field along with experience with in vitro selection of nucleic acids or cell membrane/receptor biology or both. Basic skills in molecular biology and analytical techniques are a must. The ideal candidate will be an independent thinker who possesses excellent leadership and communication skills.

RPI offers a competitive salary and benefits package, including stock options. For consideration, please send your resume to: RPI, Job Code: 041 DNA, 2950 Wilderness Place, Boulder, CO 80301, Fax: 303-545-6899, or email: jobs@rpi.com. Visit us on the web at www.rpi.com. EOE



Associate Research Scientist

NYU School of Medicine is currently seeking an Associate Research Scientist to study the molecular pathogenesis of urinary diseases in our Urology Research Center. The ideal candidate must possess a Ph.D. and/or MD degree with a minimum of 2 years of research experience in molecular biology and biochemistry.

We offer competitive salaries and a comprehensive benefits package, including tuition assistance, For consideration, please send resume and salary requirements to: Tisa Hall, Staffing Specialist, NYU School of Medicine, One Park Avenue, 16th Floor, New York, NY 10016. Fax:(212) 404-3897. E-mail: resume@med.nyu.edu. EOE.



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Creating the Future of Medicine™

Based in Seattle, Washington, our employees enjoy all the benefits, resources, support, and freedom to accomplish great science.

STAFF SCIENTIST Number 01-0338

The Protein Chemistry Department, Discovery Research, is seeking a Staff Scientist to participate in the purification and characterization of early-stage recombinant proteins. A successful candidate will have a Ph.D. or equivalent in biochemistry or a related scientific discipline, a background of two to five years in the biotechnical industry with several years of experience developing and implementing purification methods for a variety of protein constructs, and will be skilled in a variety of chromatography methods and modern HPLC instrumentation. Experience purifying antibodies and antibody fragments and knowledge of characterization methods such as protein sequencing and mass spectrometry are beneficial. Excellent computing, organizational, and communication skills and a willingness to work in a team environment are essential.

STAFF SCIENTIST/ SENIOR STAFF SCIENTIST Number 01-0330

Immunex's Discovery Research Group is seeking a Pulmonary Biologist with gene discovery and in vitro/ in viro validation experience in the field of lung diseases. A Ph.D. and/or M.D. and more than three years of postdoctoral research experience required. Applicants should include a short description of relevant expertise and three letters of recommendation. The ability to work in a multidisciplinary environment and excellent computing, organizational, and communication skills are required.

In addition to the tremendously rewarding environment, we offer an exceptional compensation and benefits package. Please submit a scanable résumé specifying job code to e-mail: immunexcareers@ webhirerpc.com. Immunex is an Equal Opportunity Employer committed to diversity.

POSTDOCTORAL RESEARCHER POSITION

The Department of Cell Biology and Anatomy, Louisiana State University Health Science Center, has a position available for a Postdoctoral Researcher. The incumbent in this position will study the molecular mechanisms underlying development of the peripheral nervous system and heart utilizing molecular and genetic approaches. Experience in molecular biology is essential; embryo manipulation and/or ES/transgenic experience is preferred. Qualifications include a Ph.D. in biological sciences or related field. Applicants should send curriculum vitae and names of three references to: Peter Cserjesi, Ph.D., Department of Cell Biology and Anatomy, LSUHSC, 1901 Perdido Street, New Orleans, LA 70112. LSUHSC is an Equal Employment Opportunity/Affirmative Action Employer.

STAFF ASSOCIATE Columbia University

Coordinate study of mental health and decision making at the end of life. Master's of social work required with experience in clinical interviewing and comfort with death and dying. Contact: Steven M. Albert, Ph.D., Columbia University, G. H. Sergievsky Center, P&S Unit 16, 630 West 168th Street, New York, NY 10032. We take Affirmative Action toward Equal Employment Opportunity.

POSITIONS OPEN

POSITION AVAILABLE RESEARCH DIRECTOR The Institute of Environmental and Human Health

An opening is available at the rank of PROFES-SOR, tenure track, in The Institute of Environmental and Human Health (TIEHH) at Texas Tech University/Texas Tech University Health Sciences Center. The successful candidate must be either a Ph.D. or M.D., qualify for the rank of Professor, and have prior experience in directing large research groups or serving as a department chairperson. He/she must have demonstrated experience working on defense-related research projects at the national level and securing for grants in this area. This position requires an individual with broad background and the proven ability to oversee multiple research projects and obtain funding for them. The recruited individual will serve as the Research Director of the newly formed Admiral Elmo Zumwalt Jr. Program for Countermeasures Against Biological and Chemical Threats at TIEHH. The applicant must possess strong written and verbal com-munication skills and be able to develop external academic and private research partnership and interface with graduate and postgraduate trainees. Applications will be accepted until the position is filled. Position number 2001TLF081. Send letter of interest, curriculum vitae, and three letters of support to:

> Dr. Louis A. Chiodo Assistant Director for Science The Institute of Environmental and Human Health Box 41163 Lubbock, TX 79409-1163

Texas Tech University is an Affirmative Action/Equal Employment Opportunity Employer.

RESEARCH BIOCHEMIST PRODUCT RESEARCH

World Minerals Inc., a leading worldwide producer of industrial minerals, is seeking a Research Biochemist, Product Research, for our growing research and development team.

An M.S. or experienced B.S. Biochemical Engineer or other scientific degreed individual is required to support ongoing research and product application efforts. Demonstrated expertise with conventional protein purification, filtration, and separation techniques. Familiarity with biopharmaceutical scale-up and GMP principles. Candidates with added experience in DNA characterization, bacterial culture and plasmid purification, and endotoxin analysis are encouraged to apply. Good communicative abilities (written and verbal), organizational skills, and the flexibility to work independently or in a multidepartmental team environment are essential. Potential opportunities for direct customer interaction and company-sponsored travel.

This position will be based in the beautiful and affordable Central Coast region of California. World Minerals Inc. offers an excellent benefits package including relocation assistance. Salary dependent on experience. No telephone calls, please. Please send your résumé, which must contain your salary history, to:

World Minerals Inc. Attention: Human Resources Post Office Box 519 Lompoc, CA 93438-0519 FAX: 805-737-2497

E-mail: resume@worldminerals.com

Equal Opportunity Employer; Minorities/Females/Veteraus/Disabled

FREELANCE TRANSLATORS

Leading translation/editing company in Japan is seeking freelance Translators (basically Japanese to English) who can work online in the fields of medicine, physics, biology, chemistry, and other scientific fields. Scientific background and submission track record essential. Translation experience preferred. If interested, please send résumé via e-mail: recruit@nai.co.jp. NAI, Inc., Japan.

POSITIONS OPEN



UNIVERSITY OF REGINA Department of Chemistry and Biochemistry Biochemistry, Analytical Chemistry, and Organic Chemistry

We are seeking individuals specializing in the above areas who wish to add new expertise and research dimensions to a Department with existing degree programs (B. Sc., M. Sc., and Ph.D.) in chemistry and biochemistry. We invite applications for four tenure-track positions at the level of ASSISTANT and AS-SOCIATE PROFESSOR, each to begin July 1, 2002. The Department holds collaborative research programs with the Regina-based Petroleum Technology Research Center, the Greenhouse Gas Technology Center, and the Allan Blair Cancer Clinic and has convenient access to the University of Regina. Environmental Quality Analysis Laboratory, the Saskatchewan Structural Center (including the U. of R. SPM and NSOM facilities), and the Canadian Light Source (synchrotron). Our department currently specializes in the areas of biophysics; clinical biochemistry; molecular biochemistry; and inorganic, organic, and theoretical chemistry. Please refer to the Departmental website: http://www.chem.uregina.ca for more information. Eligible candidates should hold a Ph.D. degree and at least one year of postdoctoral experience is preferred. Teaching experience and cross-disciplinary publications are considered an asset.

Please send a full application by October 31, 2001, including curriculum vitae, a statement of teaching philosophy and a grant proposal (five pages maximum), and arrange to have three reference letters forwarded to: Dr. Andrew G. Wee, Head, Department of Chemistry and Biochemistry, University of Regina, Regina, SK S4S 0A2 Canada. E-mail: friebelm@uregina.ca.

Applications will be received until the positions are filled; however, review of applications will begin immediately after the deadline. The University of Regina is committed to Employment Equity.

POSTDOCTORAL POSITION available to work on human herpesvirus-7 and its adaptations to salivary gland cells. Our research is focused on the role of unique viral glycoproteins and 7-tm receptors in contributing to viral entry into salivary gland cells. Our laboratory occupies newly constructed research space in a highly collaborative environment, and our work is supported by a newly funded federal grant. Strong training and career development opportunities are available. Please send curriculum vitae and names of three references to: Dr. Steve Dewhurst, Department of Microbiology and Immunology, University of Rochester Medical Center, 601 Elmwood Avenue, Box 672, Rochester, NY 14642. E-mail: stephen_dewhurst@urmc.rochester.edu.

POSTDOCTORAL POSITIONS are available to study the functions of tumor suppressors in signal transduction, cell cycle progression, tumor formation, and aging (PNAS 95:15406; 96:6199; 96:7427; Curr. Biol. 11:263). Applicants with strong background in biochemistry, cell biology, or genetics are encouraged to apply. Send curriculum vitae, a brief statement of research interests, and names of three references to: Dr. Hong Sun, Associate Professor, Department of Genetics, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06520. E-mail: hong.sun@yale.edu.

POSTDOCTORAL POSITION available immediately to study neuroprotective signaling pathways in hypoxia-tolerant neurons. The work will focus on regulation of glutamate receptors and intracellular calciment. Experience with patch clamping, cell culture, and fluorescence microscopy desirable. Please send curriculum vitae to: Philip Bickler, M.D., Ph.D., Department of Anesthesia, University of California at San Francisco, 513 Parnassus Avenue, San Francisco, CA94143-0542.E-mail:bickler@anesthesia.ucsf.edu.

WAYNE STATE UNIVERSITY

Postdoctoral Positions in Cellular and Molecular Neuroscience

Several postdoctoral positions are available to study the cellular and molecular mechanisms regulating neural signaling. Successful applicants will play integral roles in highly collaborative, multidisciplinary training environment. Special emphasis is placed on the career development of trainees.

Visit our web site http://psychiatry1.med.wayne.edu/cmnrd.htm

- · Electrophysiology (whole cell recording techniques)
- Promoter analysis of neuronal genes
- Confocal microscopy
- Microarray analysis (gene expression profiling)
- Protein biochemistry and proteomics
- Cellular and molecular neurobiology
- Human postmortem tissue and disease
- Transgenic animals

Interested candidates should send a brief letter describing their research interests, a curriculum vitae, and the names of three references to the appropriate principal investigator(s) at: Wayne State University School of Medicine, Department of Psychiatry and Behavioral Neurosciences, 540 E. Canfield Ave., 2309 Scott Hall, Detroit, MI, 48201, or via e-mail.

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

CHIEF, LABORATORY OF CELLULAR AND MOLECULAR BIOLOGY NATIONAL INSTITUTE ON AGING NATIONAL INSTITUTES OF HEALTH PUBLIC HEALTH SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES

The Intramural Research Program of the National Institute on Aging (NIA), Baltimore, Maryland invites nominations and applications for the position of Chief, Laboratory of Cellular and Molecular Biology. Compensation is commensurate with qualifications and experience. The Chief of the Laboratory of Cellular and Molecular Biology will be responsible for conducting and coordinating research on basic mechanisms of aging, on response of cells to damaging environmental agents, on factors involved in cellular senescence and proliferation and on age-associated diseases and disabilities. An interest in interventions to alleviate or prevent aging-related deficits would be valuable.

The Chief, Laboratory of Cellular and Molecular Biology is responsible for a sizable intramural research laboratory with at least five other independent tenured and tenure-track principal investigators. The current members of the laboratory maintain research efforts in cellular response to stress and gene expression, neurodegenerative mechanisms in aging and Alzheimer's disease, signal transduction, molecular genetics of ovarian cancer, and aging and T lymphocyte activation. The ideal candidate will have demonstrated an interest in the study of aging and/or age-related diseases or "processes" and a proven record of excellence in laboratory and/or clinical research as demonstrated by publication in the highest quality peer-reviewed journals, participation in invited national and international meetings, and receipt of research awards. Furthermore, an established track record of success in mentoring scientists-in-training consistent with the priorities of the NIH will be highly valuable.

Further information may be obtained by contacting Human Resources at 410-558-8116. A current curriculum vitae and bibliography and two letters of recommendation should be submitted to: Human Resources Office, Announcement # NIA-01-038, Gerontology Research Center, National Institute on Aging, 5600 Nathan Shock Drive, Baltimore, Maryland 21224-6825. Position will remain open until filled.







National Institute on Aging

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MANAGER BIOMEDICAL MASS SPECTROMETRY LABORATORY

The Clinical Research Center, College of Medicine is recruiting for a Coordinator for Research Programs and Manager of the Biomedical Mass Spectrometry Laboratory. The competitive applicant will possess a PhD in Protein Mass Spectrometry or related field and two or more years of experience. Good organizational, interpersonal and communication skills are essential. The position has both research and development, and management responsibilities. It is responsible for developing and applying new mass spectrometry methods for a wide variety of biomedical studies, including structural identification and quantification of proteins and peptides in biological samples. It oversees the daily operation and maintenance of the Laboratory's LC-MS/MS, CE-MS/MS and GC-MS/MS instruments, supervises scientific personnel and assists in the training of grad students and clinical fellows Publication of research in quality journals is encouraged. Application deadline date is September 7, 2001. Minimum req. MS or BS and two years exp.

Send resume and cover letter to: Greg Marwede, PO Box 115004, Gainesville, FL 32611 or e-mail same with MS Word attachments to greg-marwede@ufl.edu and refer to position number 607590.

If an accommodation is needed to apply due to a disability, please call (352) 392-4621 or TDD (352) 392-7734. AA/EA/EEO.

DIRECTOR OF THE PREUSS MOLECULAR NEURO-ONCOLOGY ENDOWED RESEARCH LABORATORY

The Brain Tumor Research Center and the Department of Neurological Surgery at UCSF is looking for an outstanding basic scientist or clinician-scientist who holds a Ph.D. M.D., or MD/Ph.D., at the level of Assistant, Associate, or full Professor, in Residence. The candidate must be willing to apply scientific expertise to brain tumor research in one or more of the following areas: cell cycle regulation, gene therapy, immunobiology/tumor vaccines, developmental neurobiology, genomics, proteomics angiogenesis, and invasion. The individual will be selected on his/her potential to build an interdisciplinary neuro-oncology laboratory and develop collaborative efforts with members of the UCSF Comprehensive Cancer Center. The candidate hired to this position will have access to endowed funding to support the laboratory effort. All interested applicants should send their curriculum vitae and three letters of recommendation to: Mitchel S. Berger, M.D., Professor & Chairman, Department of Neurological Surgery, UCSF, 505 Parnassus Ave., San Francisco, CA 94143-0112.

UCSF is an equal opportunity/affirmative action employer. The University undertakes affirmative action to assure equal opportunity for underutilized minorities and women, for persons with disabilities and for Vietnam-era and special disabled veterans.

EXPANDING THE POSSIBILITIE

Based in Cambridge, MA, USA, EPIX Medical, Inc. (NASDAQ:EPIX) is developing targeted contrast agents to improve the capability and expand the use of magnetic resonance imaging (MRI) as a tool for diagnosing human disease. We currently have the following opportunity available:

Scientist, Intellectual Property

This position requires a Ph.D. in Chemistry. Biophysics, or Biochemistry, with up to 5 years of combined postdoctoral and industry experience. The position involves portfolio development and litigation management, close interaction with senior management and Company researchers, outside counsel, and strategic IP analyses regarding the development and marketing of proprietary products. Excellent written/oral communications skills and chemical literature search skills are essential; registered patent agent a plus.

We offer a competitive salary, a comprehensive benefits package including stock options, and career advancement opportunities within a growing company. Interested candidates should forward their CV to: Job Code PA-TM, amartin@epixmed.com, EPIX Medical, Inc., 71 Rogers Street, Cambridge, MA 02142 or Fax (617) 250-6041. Equal Opportunity Employer

Visit our web site at www.epixmed.com



DEVELOPMENTAL BIOLOGIST The University of New Mexico School of Medicine

The Department of Cell Biology and Physiology invites applications for a tenure-track faculty position at the ASSISTANT, ASSOCIATE, or FULL PRO-FESSOR level. Applicants must have a Ph.D. or M.D. degree or the equivalent and at least three years of postdoctoral experience. In addition, they should either have an established research program or have demonstrated high potential for obtaining extramural funding as evidenced by high-quality publications. Preference will be given to applicants working in areas of vertebrate developmental biology, particularly those using cellular and/or molecular approaches. The selected individuals will be expected to participate in graduate and medical school teaching programs including a newly organized human structure, function, and development block for medical students that focuses on gross anatomy, histology, and embry-ology. Funding at the UNM Health Sciences Center has enjoyed an unprecedented increase in the past several years, enabling the development of state-ofthe-art research facilities and a significant growth in the number and quality of the research program. Current interests of an interdepartmental group of developmental Biologists include cell migration and adhesion; tissue remodeling; and signal transduction during heart, craniofacial, muscle, skeletal, and mammary gland morphogenesis. For best consideration, applications must be received by November 1, 2001. Send curriculum vitae, a brief description of research and teaching interests, and the names and addresses of three references to: Developmental Biology Search Committee, Department of Cell Biology and Physiology, University of New Mexico School of Medicine, Albuquerque, NM 87131. UNM is an Equal Opportunity/Affirmative Action Employer/Educator.

DIRECTOR ADVANCED IMAGING RESEARCH CENTER Search Reopened

Oregon Health and Science University invites applications for the position of Director of its new \$22 million Advanced Imaging Research Center. The Center will be dedicated to biomedical research and serve as a core imaging research facility for the campus. We seek an M.D. and/or Ph.D. with a demonstrated MR research record, success in obtaining extramural funding, and a strong vision to develop a multidisciplinary imaging center. Expertise in MR physics and biomedical engineering is desirable. The appointment will be made at the level of ASSOCI-ATE PROFESSOR or PROFESSOR. The Director will be responsible for the management of three research-dedicated MRI scanners (small and larger bore) and the supervision of at least two additional Physicist and/or Engineering positions as well as core support staff. For full consideration, please email curriculum vitae, names of three references, and a letter of introduction to: Christine Beckwith, Department of Behavioral Neuroscience L470, Oregon Health Sciences University, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201-3098. E-mail: beckwith@ohsu.edu. For queries about the Center, contact: Dr. Jeri Janowsky; email: janowskj@ohsu.edu. OHSU is an Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSOCIATE position available for one year to study the molecular mechanisms of melanoma development in transgenic mice. Position requires a Ph.D. or equivalent and extensive postdoctoral experience in molecular, cell and developmental biology, and mouse anatomy. The position requires various molecular techniques and melanocyte culture techniques. Salary is commensurate with experience and a comprehensive benefits package is available. Please send curriculum vitae to: Dr. Suzie Chen, Laboratory for Cancer Research, College of Pharmacy, Rutgers, The State University of New Jersey, 164 Frelinghuysen Road, Piscataway, NJ 08854-8020. FAX: 732-445-0687; e-mail: suziec@rci.rutgers.edu.

POSITIONS OPEN

FACULTY POSITION EXTRACELLULAR MATRIX RESEARCH

Case Western Reserve University School of Medicine

The Gastroenterology Division invites applications for a tenure-track position at the AS-SISTANT, ASSOCIATE, or FULL PRO-FESSOR level in the field of extracellular matrix and healing and fibrosis in the gastrointestinal tract. CWRU has a strong tradition of research in intestinal immunity and inflammation based at University Hospitals of Cleveland and Rainbow Babies and Children's Hospital. Applicants must have a Ph.D. or M.D. and be interested in joining a team of Scientists supported by an NIH program project on pediatric inflammatory bowel disease. Applicants should send curriculum vitae, statement of research interests, and names and addresses of references to: Claudio Fiocchi, M.D., CWRU School of Medicine, 10900 Euclid Avenue, Cleveland, OH 44106-4952. The University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR NEUROBIOLOGIST University of Denver

The Department of Biological Sciences, University of Denver, invites applications for a tenure-track position at the Assistant Professor level to begin September 1, 2002. Candidates from any field within neurobiology are sought. The successful candidate will have a Ph.D. and postdoctoral experience in appropriate fields, will develop an extramurally funded research program, will supervise M.S. and Ph.D. students, and will teach undergraduate and graduate courses in areas of specialty. Submit curriculum vitae, two recent publications, three letters of recommendation, and statements of (1) teaching philosophy and (2) research interests to: Dr. Joseph Angleson, Chair, Neurobiologist Search Committee, Department of Biological Sciences, University of Denver, Denver, CO 80208. Information about the Department of Biological Sciences can be found at website: http://www.du.edu/ biology/. Applications should be received by October 15, 2001. The University of Denver is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL/RESEARCH ASSOCIATE POSITIONS Functional Neuroimaging

Functional Neuroimaging University of Minnesota

NIH-funded Postdoctoral/Research Associate positions available immediately for the study of the neural substrates of implicit motor learning in humans. Particular emphasis will be placed on event-related imaging approaches using high-field systems. Candidates should have a background in one of the following areas: neuroscience, psychology, computation, or physics. Send curriculum vitae and the names of three references to either: James Ashe, Brain Sciences Center (11B), VAMC, Minneapolis, MN 55417; e-mail: ashe@tc.umn.edu or to Seong-Gi Kim, CMRR, 2021 Sixth Street S.E., Minneapolis, MN 55455; e-mail: kim@cmrr.umn.edu. Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to study the signal transduction in pulmonary endothelial cells and antipulmonary angiogenesis. Ph.D. or equivalent with strong background in biochemistry, molecular biology, and signal transduction is required. Send curriculum vitae to: Dr. Hua Tang, Department of Biochemistry, University of Texas Health Center at Tyler, Tyler, TX 75708. E-mail: hua.tang@uthct.edu; FAX: 903-877-2881. An Equal Opportunity Employer; Minorities/Females/Veterans/Disabled.

POSITIONS OPEN

FACULTY POSITIONS in chemistry and biochemistry. Miami University, Oxford Campus, Department of Chemistry and Biochemistry, invites applicants with a Ph.D. degree in chemistry for two tenure-track ASSISTANT PROFESSOR positions starting August 2002.

Position One is for a Ph.D. in the area of inorganic chemistry. Preference will be given to candidates who conduct research in structural/synthetic bioinorganic chemistry and have experience in small-molecule (and preferably protein) X-ray crystallography or other spectroscopic techniques.

Position Two is for a Ph.D. in the area of analytical or physical chemistry. Preference will be given to candidates who have research interests in nanotechnology related to fabrication, materials, sensors, and separation science.

Applicants should have a strong commitment to developing an externally funded research program and to teaching at the undergraduate and graduate levels. Qualified persons should (1) submit curriculum vitae and a detailed description of their research and (2) arrange for three letters of recommendation to be sent to either: Bioinorganic Chemistry Search Committee or the Nanotechnology Search Committee, Department of Chemistry and Biochemistry, Miami University, Oxford, OH 45056. Review of complete applications will begin Friday, November 2, 2001. The searches will continue until the positions are filled. Preference will be given to candidates with postdoctoral experience, but unusually qualified individuals who will complete their Ph.D. before August 2002 will also be considered. More information concerning the Department and this position can be found at our website: http://www.muohio.edu/ chmcwis/. Because Mianni University is an Equal Opportunity/Affirmative Action Employer, women and minorities are particularly encouraged to apply for this position.

RESEARCH GENETICIST

The U.S. Department of Agriculture, Agricultural Research Service, Dale Bumpers National Rice Research Center, Stuttgart, Arkansas, is seeking a Research Geneticist, GS-11/12/13. Salary range is \$43,326 to \$80,279 and is commensurate with experience. Candidates must be U.S. citizens. The incumbent will have responsibility for molecular evaluation and enhancement of rice germplasm. Research involves molecular approaches such as determining hierarchal relationships of germplasm, marker-assisted selection, obtaining new genomic information on yield and grain quality, and development of new genetic resources. Incumbent will investigate and carry out research independently and in collaboration with other Scientists at the Dale Bumpers National Rice Research Center working on conventional rice genetics, molecular genetics, molecular plant pathology, molecular biology, cytogenetics, and grain chemistry. Candidates must have a degree in genetics or a related scientific discipline. Skills in designing, conducting, and reporting research results are required. This position has specific education and experience requirements and factors that must be addressed. In order to ensure submission of a complete application, applicants must request a copy of the Vacancy Announcement by calling Telephone: 301-504-1482 or by printing from the website: http://www.ars.usda.gov and referencing position ARS-X1S-1336. Applications must be postmarked by September 30, 2001. USDA/ARS is an Equal Opportunity Employer and Provider.

POSTDOCTORAL POSITION available immediately to study the cloning and characterization of genes for zonulin and its receptor. The candidate should have a Ph.D. in biology or related field with expertise in cell culture and molecular techniques including library construction, expression cloning, and yeast 2-hybrid analysis. Send curriculum vitae and the names of three references to: Daniel J. Sussman, Ph.D., University of Maryland School of Pharmacy, Department of Pharmaceutical Sciences, 20 North Pine Street, Room 544, Baltimore, MD 21201. E-mail: dsussman@rx.umaryland.edu. The University of Maryland is an Affirmative Action/Equal Opportunity Employer.



MEDICAL GENETICS

The Department of Medical Genetics is seeking to fill the following positions:

Assistant or Associate Professor (in accordance with qualifications/experience of candidates): We invite outstanding scientists or clinical scientists investigating genetic aspects of molecular biology of inherited disease in humans or relevant animal models, to apply for tenure track positions

Studies of chromosomal structure, complex traits, membrane transport, and developmental pathways, are among the areas of interest. Applicants must have a PhD or PhD/MD, with postdoctoral training, and be able to establish a strong independent research program and assist in genetics teaching.

Cytogeneticist (appointment will be based on qualifications/experience of the candidate) In affiliation with the Stollery Children's Health Centre, a clinical cytogeneticist is needed to assist in the provision of high quality diagnostic services. Applicants must have a PhD with CCMG or equivalent certification in cytogenetics or eligibility for examination.

The Cytogenetics Laboratory provides general and oncology cytogenetic services to northern Alberta and the western Arctic. While the major activity involves service delivery, this is an academic appointment, with designated time for research and teaching.

Postdoctoral Fellowships

Fellowships are available in the following areas:

- · mitochondrial disorders
- · imprinting disorders
- · disorders of metal transport
- · mechanisms of carcinogenesis
- ocular genetics
- · neurodevelopmental defects
- population genetics

This department in the Faculty of Medicine and Dentistry occupies new facilities, integrating basic research, clinical service and diagnostic laboratories. Department information is available on: http://www.medgen.med.ualberta.ca.

The closing date for applications is October 31, 2001. Candidates should submit a resume, research plan, and names of three references to:

Diane W. Cox, Professor and Chair University of Alberta Department of Medical Genetics 839 Medical Sciences Building Edmonton, Alberta, Canada T6G 2H7

The University of Alberta is committed to the principle of equity in employment.

As an employer, we welcome diversity in the workplace and encourage applications from all qualified individuals.



Juvenile Diabetes Research Foundation International

dedicated to finding a cure

The Juvenile Diabetes Research Foundation International (JDRF), the world's leading non-profit, non-governmental funder of diabetes research (up to \$130 million in current fiscal year), is seeking to fill the following position.

Scientific Program Manager

will play an essential role in carrying out JDRF's research grant program, training grant program, and implementing partnerships with governments and industry. Additional responsibilities include helping to determine program priorities and tracking/ analyzing/ evaluating the Foundation's research activities. Will coordinate committees and research collaborations among institutions. Will help supervise the grand administration process. Ph.D., M.D. or equivalent degree in biological/biomedical sciences, such as molecular biology, genetics, immunology, biochemistry, or related areas. Postdoctoral experience or equivalent preferred. Excellent writing, verbal, and interpersonal skills are essential. Some travel required.

Please submit resume to:

Juvenile Diabetes Research Foundation International

Attn: Human Resources-SM, 120 Wall Street, New York, NY 10005-4001

Fax: 212-785-9595 EOE M/F/D/V

The Department of Developmental Biology and Anatomy at the University of South Carolina School of Medicine invites applications for tenure-track faculty positions at the Assistant or Associate Professor level. Our department has appropriated funding to establish faculty positions in Developmental Biology with broad emphasis in the areas of Cardiovascular Science, Cancer or Neurobiology. Requirements for consideration at the assistant professor level include a Ph.D. or equivalent degree with post-doctoral experience and the desire to be involved in medical and graduate student education. In addition, individuals seeking consideration at advanced rank are expected to have a nationally recognized research program with extramural funding. The selected candidates will receive competitive salary and start-up packages. Please see our website (www.med.sc.edu:89) for additional information regarding departmental interests and multi-user facilities available to faculty. Applicants should submit a curriculum vitae, statement of research goals, and names and addresses of three references to: Dr. Thomas K. Borg, Chair, Department of Developmental Biology & Anatomy, University of South Carolina School of Medicine, 6439 Garners Ferry Rd., Columbia, SC 29209. Review of applications will begin upon receipt with a submission deadline of November 1, 2001.

The University of South Carolina is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.



Postdoctoral Position

MOUNT SINA SCHOOL O MEDICIN An NIH-funded Postdoctoral position available to study

cell-cell adhesive interaction in the vascular system using intravital microscopy techniques. Highly motivated individuals with a recent PhD are encouraged to apply.

Please submit curriculum vitae, a brief description of research experience, and names of 3 references to: Paul S. Frenette, M.D. Department of Medicine, Mount Sinai School of Medicine, One Gustave L. Levy Place, Box 1079, New York, NY 10029. E-mail: paul.frenette@mssm.edu. We are an equal opportunity employer.

POSITION ANNOUNCEMENT Head: Department of Veterinary Pathobiology

The University of Illinois College of Veterinary Medicine at Urbana-Champaign is seeking a distinguished Scientist to provide leadership for the Department of Veterinary Pathobiology. Candidates must have an outstanding record of scholarship and re-search to qualify for the position of **PROFESSOR** with tenure in the Department. Qualifications include a proven record of grantsmanship and leadership, a strong commitment to teaching at the professional and/or graduate level, recruitment of graduate students, and strong interpersonal and administrative skills. Aptitude for and/or sensitivity to diagnostic medicine are required, as is a record that demonstrates enthusiasm for broad collaboration and interdisciplinary work. Preference will be given to candidates with qualifications including a D.V.M. or M.D. and/or Ph.D. degrees in one of the disciplines represented in the Department. The Head of the Department of Veterinary Pathobiology reports to the Dean and provides leadership to departmental divisions (Parasitology, Microbiology/Immunology, Comparative Pathology, and Epidemiology and Preventive thology, Medicine).

The appointment is a full-time, 12-month appointment. Although the position is largely administrative, the incumbent is expected to engage in scholarly activity in teaching, research, or service. Salary is negotiable. Anticipated starting date is on or about August 1, 2002.

The University of Illinois is a land-grant institution with a strong tradition of excellence in teaching, re search, and service. The College of Veterinary Medicine benefits from membership in a comprehensive research University where collaborative undertakings are favored and flourish. The Headship of Veterinary Pathobiology is a unique opportunity for an academician with energy and vision to provide dynamic leadership for a talented faculty and to continue a productive academic career

Applicants should submit a letter of interest; their curriculum vitae; and the names, addresses, and telephone numbers of three references to: Dee Bergman, Search Coordinator, Office of the Dean, Universty of Illinois, College of Veterinary Medicine, 2001 South Lincoln Avenue, Urbana, IL 61802. Telephone: 217-333-2760; FAX: 217-333-4628. Questions should be directed to: Dr. Warwick Arden, Chair of the Search Advisory Committee; Telephone: 217-333-5310; e-mail: warden@cvm. uiuc.edu. In order to ensure full consideration, applications must be received by November 15, 2001

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

The University of Hawaii seeks applicants for an ASSISTANT RESEARCHER position to assist in the program's research efforts in studying the molecular and cellular mechanisms underlying the develop ment of peripheral lipoatrophy in HIV-infected individuals treated with antiretroviral therapy. Qualified candidates will be expected to establish a strong collaboration with the University of Hawaii HIV clinical research program in translational basic science research in the area of mitochondrial toxicity and fat metabolism. Appointment is for full-time, nontenurable, to begin September 2001. Minimum monthly salary: \$3,377. Minimum qualifications: Applicants should have a Doctoral-level degree and have a strong background in cellular and molecular biology. Desirable qualifications: experience in fat metabolism research, immunohistochemistry, molecular biology, and microarray techniques is desirable. Applications: Interested applicants should submit curriculum vitae and telephone numbers of three references to: Dr. Cecilia M. Shikuma, Hawaii AIDS Clinical Research Program, 3675 Kilauea Avenue, Young Building, Sixth Floor, Honolulu, HI 96816. Inquiries: Dr. Cecilia Shikuma; e-mail: shikuma@hawaii.edu; Telephone: 808-737-2751. Closing date: August 28, 2001. Equal Employment Opportunity Affirmative Action Institution.

POSITIONS OPEN



THE JOSEPHINE BAY PAUL CENTER FOR COMPARATIVE MOLECULAR BIOLOGY AND EVOLUTION

Marine Biological Laboratory

The Josephine Bay Paul Center for Comparative Molecular Biology and Evolution at the Marine Biological Laboratory in Woods Hole, Massachusetts, invites applications for RESEARCH ASSISTANT, POSTDOCTORAL SCIENTIST, and COM-PUTER SCIENTIST positions in the following areas: molecular evolution of eukaryotes, genome sequencing and bioinformatics in Giardia lamblia, global eukaryotic gene expression in Giardia lamblia, and evolution of bacterial endosymbionts in insects

The JBPC is a growing center of excellence in molecular evolution, microbial diversity, parasitology, and genome science (website: http://www. mbl.edu/baypaul). Details on the positions and application procedures can be found on the MBL's website: http://www.mbl.edu/employment. Contact: Josephine Bay Paul Center, Marine Boiological Laboratory, 7 MBL Street, Woods Hole, MA 02543-1015 U.S.A.

POSTDOCTORAL POSITIONS in zebrafish developmental biology at the University of Pennsylvania. Positions are available immediately to study β catenin-mediated establishment of the organizer, control of anteroposterior patterning of the neural tube, and control of formation and patterning of the inner ear. A strong background in molecular biology is required. Please send curriculum vitae and the names of references to: Dr. Eric Weinberg, Department of Biology, University of Pennsylvania, Philadelphia, PA 19104. E-mail: eweinber@sas.upenn.edu.

POSTDOCTORAL FELLOWSHIP position open immediately to study regulation and expression of enzymes in metabolic myopathies. Expertise in molecular and immunological techniques essential. Experience in yeast expression systems desirable. Please send curriculum vitae and names and contact information for three references to: Georgirene D. Vladutiu, Ph.D., Professor of Pediatrics, University at Buffalo, 936 Delaware Avenue, Buffalo, NY 14209. Laboratory website: http://www.rgbgl.org; e-mail: rgbgl@aol.com.

NEI-FUNDED POSTDOCTORAL POSITION Molecular Biology of Retinal Degeneration and Neuroprotection

We focus on genetic profiling using gene array technology to isolate pathways for retinal degeneration and avenues for therapeutic intervention. Candidates with experience in molecular biology and an interest in retinal anatomy and function are encouraged to send curriculum vitae, letter of interest, and names of references to: B. Rohrer, Department of Ophthal-mology, 167 Ashley Avenue 707, Charleston, SC 29425. E-mail: rohrer@musc.edu.

POSTDOCTORAL/RESEARCH ASSOCIATE POSITION

Motor and Cognitive Neurophysiology University of Minnesota

NIH-funded Postdoctoral/Research Associate position available immediately for the study of the neural mechanisms of sequence encoding in the monkey. Approaches will include multielectrode extracellular neural recording in motor areas of the frontal cortex under both acute and chronic conditions. Analysis will focus on single cell, population, and local field potential data. Candidates should have a background in one of the following areas: neuroscience, psychology, physiology, computation, or physics. Send curriculum vitae and the names of three references to: James Ashe, Brain Sciences Center (11B), VAMC, Minneapolis, MN 55417. E-mail: ashe@tc.umn. edu. Equal Opportunity Employer.

POSITIONS OPEN

BIOCHEMISTRY. Gustavus Adolphus College. a coeducational private, residential, national liberal arts college of 2,500 students affiliated with the Evangelical Lutheran Church in America, invites nominations and applications for the position of ASSIST-ANT/ASSOCIATE PROFESSOR of Biochemistry to begin September 1, 2002. This is a joint appointment between biology and chemistry. Competitive salary and start-up funds available. Responsibilities include introductory biochemistry and an upper-level proteins course (both with laboratories), additional biochemistry-related course, and January term elective. Development of an active undergraduate research program with extramural funding and active participation in program expected. We seek candidates who have a Ph.D. in biochemistry or related discipline, postdoctoral research experience, demonstrated teaching ability, and ability to communicate across disciplines. To apply, send letter of application stating qualifications, teaching philosophy, and research interests; curriculum vitae; transcripts (photocopies acceptable); and names, addresses, and telephone numbers of three professional references to: Dr. Allan Splittgerber, Chair, Department of Chemistry, Gustavus Adolphus College, 800 West College Avenue, St. Peter, MN 56082-1498. Review of applications will begin on October 8, 2001, and continue until the position is filled. It is the policy and practice of Gustavus Adolphus College to provide Equal Educational and Employment opportunities for all. We specifically encourage applications from women, uninorities, and persous with disabilities

POSTDOCTORAL POSITION MOLECULAR GENETICS OF DIABETES University of Maryland, Baltimore

The Division of Endocrinology, Diabetes, and Nutrition is seeking a Postdoctoral Fellow to study the molecular genetics of Type 2 diabetes. The position requires a Ph.D. degree in genetics, cell biology, molecular biology, or a related field and an interest in basic laboratory research. Experience in molecular and cell biology, gene mapping, and/or genomics is preferred. The candidate will work with a highly interactive group of Scientists including Geneticists, Molecular Biologists, Epidemiologists, and Statisticians. Please send curriculum vitae and three letters of recommendation to: Alan R. Shuldiner, M.D., University of Maryland School of Medicine, 725 West Lombard Street (Room \$420), Baltimore, MD 21201-1192. The University of Maryland is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS **PROTEINS**

Postdoctoral positions are available immediately in our innovative program in the development of AIDS vaccine and artificial proteins at Vanderbilt University. Preference for candidates with a strong background in protein expression, phage-display library, or vaccinology. Send curriculum vitae and names of three references to: **Dr. James P. Tam, Microbiolo** gy and Immunology, Vanderbilt School of Medicine, A5119 MCN, Nashville, TN 37232-2363. FAX: 615-343-1467; e-mail: james.tam@mcmail. vanderbilt.edu. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION. A Postdoctoral position is available immediately to carry out the cloning and analysis of genes responsible for the biosynthesis of the antibiotics in Streptomyces. Previous training in molecular biology is required. Prior experience with Streptomyces or with bacterial genetics is strongly preferred. Send curriculum vitae and names of three references to: Dr. R. J. Parry, Department of Chemistry MS-60, Rice University, 6100 Main Street, Houston, TX 77005-1892. E-mail: parry@rice.edu.

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. Richard Walters In Europe ... telephone +44 (0) 1223 326 500 fax .. +44 (0) 1223 326 532 e-mail ... rwalters@science-int.co.uk

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MAYO CLINIC POSTDOCTORAL FELLOWSHIPS in VIROLOGY

Mayo Clinic Rochester has established a Molecular Medicine Program with several groups working on gene therapy using different viral systems. In the group of Dr. Roberto Cattaneo applications are invited for postdoctoral researchers to:

- · Investigate the mechanisms of measles virus cell entry
- · Examine morbillivirus propagation in the organism
- Develop recombinant viruses targeted to transformed cells

A strong background in molecular biology and virology is required. Applications will be processed in order of arrival. Salary will be determined by the successful candidate's experience. There is also an attractive benefit package.

Rochester, MN is consistently rated as one of the best places to live in the U.S. Mayo Foundation is a non-profit physician-led clinical practice integrated with education and research in a unified multicampus system. For further information please visit http:// researchweb.mayo.edu/people/3/34668 cattaneo. Please send curriculum vitae and bibliography to:

> Roberto Cattaneo, PhD Mayo Clinic Molecular Medicine Program Guggenheim 18 200 First Street SW

Rochester, Minnesota, 55905, USA

Literature: EMBO J. 17:3899; J. Virol. 75; 2087, 3343, and 6418; Blood 97:3746.

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



Postdoctoral Position

MEDICINE

A postdoctoral position is available October 1

to investigate directed evolution of archaeal thermostable enzymes involved nucleic acid metabolism. Candidates should have a Ph.D. and experience in molecular biology. Salary will be based on relevant experience and education. Send a cover letter, C.V., summary of past work, and names and addresses of 3 references to: Dr. James G. Wetmur, Department of Microbiology, Box 1124, One Gustave Levy New York, NY 10029-6574. 212-534-1684. james.wetmur@mssm.edu. EOE.



SCHOOL OF MEDICINE

Postdoctoral Research **Position**

A Postdoctoral position is available immediately

to study novel methods of transcription regulation in genes for neurodevelopmental and behavioral disorders using comparative genomics. Experimental approaches will include screening of libraries for species orthologs and the use of various molecular methods for promoter definition and assessment of gene expression. Please send curriculum vitae and the names, telephone numbers and addresses of 3 references to: L. Alison McInnes, M.D. Department of Psychiatry/Human **Mount Sinai School of Medicine** One Gustave L. Levy Place Box 1229 New York, N.Y. 10029.



Postdoctoral Position

MEDICINE

Postdoctoral positions are available to study a

drug therapeutic strategy for genetic disorders based on a novel concept developed in this Lab. Relevant publications include Nature Med. 5, 112-115, 1999; EJB 267, 4179-4186, 2000. Candidates must have Ph.D. and/or M.D. degree and be highly motivated. Background in molecular biology, protein biochemistry is required. Send curriculum vitae and names of three references to: Dr. Jim Fan, Mount Sinai School of Medicine, Department of Human Genetics, Box 1498, One Gustave L. Levy Place, New York, NY 10029. Fax: 212-849-2508; E-mail: fanj01@doc.mssm.edu.

POSTDOCTORAL POSITIONS Reproductive Biology at Northwestern University

Postdoctoral Fellowships are available in reproductive biology for highly qualified applicants. A diverse but integrated program offers research training in molecular, biochemical, cellular, physiological, and behavioral aspects of reproduction. Participating faculty include Erwin Goldberg (molecular biology of the testis), Mary Hunzicker-Dunn (ovarian signal transduction), J. Larry Jameson (nuclear receptor controls of reproduction), Jon Levine (neuroendocrinology of peptidergic neurons), Daniel Linzer (molecular endocrinology), Kelly Mayo (gene regulation in reproductive systems), Andrew Shenker (gonadotropin receptor defects and human disease), Fred Turek (seasonal cycles/circadian clocks), Teresa Woodruff (ovarian physiology and molecular endocrinology), and Catherine Woolley (hormonal regulation of plasticity in brain). Send curriculum vitae and names of three references to: Dr. Jon E. Levine, Department of Neurobiology and Physiology, Northwestern University, 2153 North Campus Drive, Evanston, IL 60208-3520. E-mail: jlevine@northwestern.edu. Applicants must be eligible for NIH training support (U.S. citizen or permanent resident). An Equal Opportunity Employer.

POSTDOCTORAL POSITION

Candidate will study molecular/cellular biology of hematopoietic stem cells with a research focus on the functions of newly cloned genes. Past experience in molecular biology and cell culture is required. Training in flow cytometry is desired. Please send research summary, curriculum vitac, and names and telephone numbers of three references to: Schickwann Tsai, M.D., Ph.D., Associate Professor, Division of Hematology, Department of Medicine, University of Utah School of Medicine, 30 North 1900 East, Salt Lake City, UT 84132-2408. E-mail: schickwann.tsai@hsc.utah.edu. The University of Utah is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.

POSTDOCTORAL FELLOW wanted for clinical research on the effects of abstinence from alcohol on brain structure, perfusion, and metabolism. Applicants must be familiar with basic magnetic resonance techniques (acquisition and processing), have strong interpersonal and communication skills to work confidently with patients and researchers, and have interest in new ways of integrated data analyses. A Ph.D. in neuroscience, chemistry, physics, or related area is required. Send curriculum vitae and names of three references to: Dieter J. Meyerhoff, Ph.D., University of California San Francisco, MR Unit DVA Medical Center, 4150 Clement Street 114M, San Francisco, CA 94121. E-mail: djmey@itsa.ucsf. edu.

POSTDOCTORAL FELLOW/ RESEARCH ASSOCIATE

To join group studying malignant transformation of the prostate and signal transduction by the proapoptotic agent TRAIL. Experience in molecular and cellular biology including basic protein chemistry is expected. Proteomics and transgenic technologies are available. Excellent salary commensurate with experience. Send résumé and names of three references to: Andrew S. Kraft, M.D., Chief, University of Colorado Health Sciences Center Division of Medical Oncology, 4200 East Ninth Avenue, B171, Denver, CO 80262. E-mail: siobhan.houston@uchsc.edu

Several NIH-funded POSTDOCTORAL POSITIONS are available to study signal transduction and molecular genetics of prostate cancer. Experience in molecular and cellular biology desirable. Send curriculum vitae with references to: Dr. Allen C. Gao, Department of Urology, University of Pittsburgh, 5200 Centre Avenue, Suite G03, Pittsburgh, PA 15232. FAX: 412-623-3907; e-mail: gaoac@msx.upmc.edu.

POSITIONS OPEN

POSTDOCTORAL POSITION AVAILABLE

Washington University St. Louis, Missouri

We have an immediate opening for a Postdoctoral Research Associate in the Department of Obstetrics and Gynecology. Our research focuses on the mechanisms that determine placental development and function. Utilizing molecular and biochemical approaches, we analyze the function of nuclear proteins that regulate differentiation of placental trophoblasts and their response to injury. Applicants should have a Ph.D. degree and exhibit interest and preferably expertise in gene regulation and modern gene expression technology. Send curriculum vitae, research experience, and names of two references to: Yoel Sadovsky, M.D., Washington University, Department of Obstetrics/Gynecology, Campus Box 8064, 4566 Scott Avenue, St. Louis, MO 63110. E-mail: sadovskyy@ msnotes.wustl.edu. Washington University is an Equal Opportunity/Affirmative Action Employer.

OPPORTUNITIES IN COMPUTATIONAL NEUROSCIENCE Northwestern University Medical School

Three POSTDOCTORAL POSITIONS available at the Physiology Department to join either the Motor Learning and Biorobotics laboratory or the Touch and Pain Dynamics program. Candidates should have strong background in computational techniques with expertise in either electrophysiology or human functional imaging. These NIH- and ONRfunded positions are guaranteed for two years. Requires a Ph.D./M.D. and documented productivity in relevant topic. Salary depends on experience. Please send curriculum vitae, a representative publication, and two letters of recommendation to: F. Mussa-Ivaldi (e-mail: sandro@northwestern.edu), D. R. Chialvo (e-mail: dante@babel.rockefeller.edu), or A. V. Apkarian (e-mail: a-apkarian@northwestern.edu). See websites: http://manip.smpp. nwu.edu and http://www.apkarianlab.nwu.edu.

POSTDOCTORAL POSITION Department of Pathology and Immunology Washington University School of Medicine

Applications are being accepted for a POSTDOCTORAL POSITION to study diabetes and obesity. The traince will be offered opportunities in the following areas related to pancreatic β-cells: insulin secretion, lipoprotein lipase and fatty acid transporters, lipid associated proteins, and mitochondrial uncoupling proteins. Salary on NIH scale. Curriculum vitae and three letters of recommendations are required. For information, please contact: Dr. Michael L. McDaniel, Box 8118, Washington University School of Medicine, Department of Pathology and Immunology, St. Louis, MO 63110. Telephones 314-362-7435; FAX: 314-362-4096; e-mail: mcdaniel@pathology.wustl.edu. Affirmative Action/ Equal Opportunity Employer.

POSTDOCTORAL FELLOWS: Positions available immediately for a well-funded program to study the role of a new class of bioactive lipids (especially sphingosine-1-phosphate and ceramide) in signal transduction and regulation of angiogenesis, cell growth, and apoptosis. Candidates should have background and experience in molecular and cell biology or signal transduction. Please send curriculum vitae and three letters of recommendation to: Dr. Sarah Spiegel, c/o D.J. Dwyer, Department of Biochemistry and Molecular Biophysics, Medical College Virginia Campus/Virginia Commonwealth University, 1101 East Marshall Street, P.O. Box 980614, Richmond, VA 23298-0614. Telephone: 804-828-9762; FAX: 804-828-1473; email: djdwyer@vcu.edu. Affirmative Action/Equal Employment Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL CANDIDATE Bioscience Division Argonne National Laboratory

The Bioscience Division at Argonne National Laboratory is seeking a Postdoctoral candidate to perform research in the area of antibody phage display as a tool in proteome characterization and the identification of novel tumor cell markers. The ideal candidate should have research experience in PCR and molecular cloning techniques. Experience with bacteriophage biology is a plus. Candidate must have received their Ph.D. degree not more than two years prior to the start of the appointment.

Interested candidates should submit curriculum vitae, the names and addresses or at least two references, and a short statement of qualifications relevant to the skills cited above to: Susan Walker, Box BIO-301312-43, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439. For information related to job qualifications, please contact: Dr. Diane J. Rodi; Telephone: 630-252-3963; e-mail: drodi@anl.gov. For additional information or to submit your résumé, please visit our website: http://www.hr.anl.gov.

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POSTDOCTORAL and RESEARCH ASSIST-ANT/RESEARCH LABORATORY MANAGER positions are available immediately to investigate the neurobiology of pain and analgesia (see Flores et al., Neuroscience 105:489, 2001). Experience in electrophysiology, pharmacology, behavior, and molecular neuroscience is desirable but not essential. Opportunities exist for collaboration with Neuroscientists at Meharry Medical College and the Vanderbilt University. Send curriculum vitae and names of three references to: Sukhbir S. Mokha, Ph.D., Department of Anatomy and Physiology, Meharry Medical College, 1005 D.B. Todd Boulevard, Nashville, TN 37208. E-mail: smokha@mmc.edu.

ADVANCED POSTDOCTORAL FELLOW-SHIP. Laboratory of Stephen B. Liggett is seeking a Fellow with potential for subsequent faculty position at the University of Cincinnati College of Medicine. Research expertise in G protein-coupled receptor biology, pharmacogenetics, or transgenic mice preferable. Send résumé to: Stephen B. Liggett, University of Cincinnati College of Medicine, 231 Albert Sabin Way, Room G167, P.O. Box 670564, Cincinnati, OH 45267-0564. Telephone: 513-558-0484; FAX: 513-558-0835; email: stephen.liggett@uc.edu. The University of Cincinnati is an Equal Opportunity Employer and encourages the application of women and minorities.

POSTDOCTORAL POSITION to work on behavioral ecology, molecular genetics, or experimental evolution in the cellular slime mold Dictyosclium discoideum. The focus is on evolution and mechanisms of cooperation and cheating in multicellular fruiting bodies, which may contain multiple clones (Nature 408:965, 2000). Send curriculum vitae and three letters of reference to: Dr. David Queller, Department of Ecology and Evolution, MS-170, Rice University, P.O. Box 1892, Houston, TX 77251-1892. E-mail: Queller@rice.edu. Rice University is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.

POSTDOCTORAL CHEMIST POSITION to develop and apply transduction materials including polymers for bio and chemical sensor platforms. Please send curriculum vitae to: C. A. Grimes, Department of Electrical Engineering and Materials Research Institute, 208 MRL, Penn State University, University Park, PA 16827. E-mail: cgrimes@engr.psu.edu.

POSTDOCTORAL POSITION available to study the role of activity in developmental plasticity of sensory pathways. Experience with electrophysiological or neuroanatomical techniques desirable. Send curriculum vitae to: Dr. S.L. Pallas, Department of Biology, Georgia State University, P.O. Box 4010, Atlanta, GA 30302. An Equal Opportunity/ Affirmative Action/Equal Access Employer.

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

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

Several POSTDOCTORAL POSITIONS available to study the molecular mechanism(s) involved in epidermal growth factor signaling and regulation of adenylyl cyclase (see Science 283:1328, 1999; J. Biol. Chem. 276:22742, 2001; Gene 269:13, 2001). Studies involve mutagenesis of signaling elements, genetic screening, expression, purification of recombinant proteins and in vitro reconstitution of signaling. Applicants must have a recent Ph.D. and experience in biochemical and/or molecular techniques. Send curriculum vitae and names of three references to: Dr. Tarun B. Patel, Department of Pharmacology, University of Tennessee Memphis, 874 Union Avenue, Memphis, TN 36163. É-mail: tpatel@ utmem.edu. University of Tennessee Memphis is an Equal Employment Opportunity/Affirmative Action/Title VII/Title IX/Section 504/Americans With Disabilities Act Employer,

A POSTDOCTORAL POSITION is immediately available to study voltage-gated Ca (L-type) and K (Iro, Iks) channels in mammalian ventricular myocytes and cloned K channels expressed in Xenopus oocytes. Studies will involve NO- and redox-related modulation of channel activity, mapping of channel phenotype expression to distinct ventricular myocyte types, current kinetics and modeling, and structure-function analysis. Experience with patch clamp, immunohistochemical, and/or mutagenesis techniques preferable but not essential. Please send curriculum vitae, names of references, and e-mail addresses to: Donald L. Campbell, Ph.D., Department of Physiology and Biophysics, 204 Cary Hall, University at Buffalo, State University of New York, Buffalo, NY U.S.A. 14214. E-mail: dc25@acsu.buffalo.edu.

POSTDOCTORAL POSITIONS

TWO POSITIONS funded by the Cardiovascular Center of Excellence are available to study the signal transduction mechanisms related to the effect of hirric oxide and protein tyrosine phosphatases on migration, proliferation, and collagen synthesis by vascular smooth muscle cells. Our projects address basic science questions but also have relevance to clinical problems. Experience in the techniques of molecular biology is essential. Send curriculum vitae and the names of three references to: Dr. Aviv Hassid, Department of Physiology, University of Tennessee. 894 Union Avenue, Memphis, TN 38163. E-mail: hassid@bellsouth.net. FAX: 901-448-7126.

Electrophysiologist at UCLA: POSTDOCTORAL POSITIONS available immediately to study the signaling pathways regulating hippocampal synaptic plasticity, G protein-coupled receptors, and ion channels. Applicants must have a Ph.D. or M.D. Experience in patch clamping, cell culture, or brain slice recording is desirable. Competitive salary and benefits. Send curriculum vitae to: Dr. Cui-Wei Xie, Department of Psychiatry, University of California Los Angeles, 760 Westwood Plaza, Los Angeles, CA 90024. E-mail: cxie@mednet. ucla.edu; website: http://hatos.ucla.edu.

POSITIONS OPEN

METABOLISM BRANCH

The Metabolism Branch, National Cancer Institute, is offering a POSTDOCTORAL RESEARCH FELLOW POSITION in the laboratory of Dr. Thomas Waldmann for an individual who would investigate new therapeutic approaches involving the cytokine IL-15 (codiscovered in the Waldmann Laboratory) as well as approaches directed toward the IL-2/IL-15 and HER2/neu receptors and their signaling pathways. The approach, focusing on the IL-2 receptor, exploits the observation that the highaffinity IL-2R is not expressed by normal cells but is expressed by select leukemic cells as well as T cells involved in allograft rejection and autoimmunity. A murine model of IL-2R expressing adult T cell leukemia (ATL) was established by introducing cells from an ATL patient into SCID-NOD mice. Following serial transfer of these cells, the animals develop grossly enlarged spleens and leukemia of ATL cells that retain the phenotype and HTLV-I integration pattern of the patient's ATL leukemia. The candidate would be involved in the development of novel therapeutic agents and in their evaluation on the mouse ATL model as well as in a model of HER-2/neu expressing breast cancer. Additional studies involve the use of IL-15 for therapy of syngeneic tumors in mice and as a component of vaccines. Agents showing promise in these murine models may move forward into clinical trials. Pretargeting protocols with humanized antireceptor antibodies armed with alpha- and betaemitting radionuclides as well as Jak-3 kinase-directed inhibitors are two novel approaches also under investigation. Applicants should have completed an M.D. or Ph.D. and be highly motivated individuals interested in joining a progressive clinical research program. Interested candidates should submit a statement of interest, curriculum vitae, bibliography, and list of three references to: Ms. Jean Decker, Building 10, Room 4N115, NIH, Bethesda, MD 20892-1374. NIH is an Equal Opportunity Employer.

Two POSTDOCTORAL POSITIONS are available in the Helmann laboratory in the Department of Microbiology, Cornell University. Major areas of interest include (1) the roles of alternative sigma factors in Bacillus subtilis in coordinating gene expression in response to environmental stresses, (2) regulation of metal ion homeostasis, and (3) oxidative stress responses. Applicants should have a recent Ph.D. in microbial genetics, microbiology, biochemistry, or molecular biology. Salaries are competitive and commensurate with qualifications. Please send (e-mail preferred) curriculum vitae, a list of references, and a brief statement of research interest(s) and availability to: Dr. John D. Helmann, Department of Microbiology, Wing Hall, Cornell University, Ithaca, NY 14853-8101.Telephone: 607-255-6570; FAX: 607-255-3904; e-mail: jdh9@cornell.edu; website: http://www.micro.cornell.edu/faculty. JHelmann.html. Comell University is an Equal Opportunity Employer. Women and minority candidates are encouraged to apply.

POSTDOCTORAL POSITION on an NIH-funded project to study structure and function relationships in amine oxidases that contain a covalently bound redox cofactor and belong to a recently recognized superfamily of prokaryotic and eukaryotic flavoenzymes (see website: http://www.mcphu.edu/medschool/depts/biochem/mj_res. htm). Candidates should have a Ph.D. and strong background in biochemistry and molecular biology. Send curriculum vitae, summary of research experience, and the names and telephone numbers of three references to: Dr. Marilyn Jorns, MCP Hahnemann School of Medicine, Department of Biochemistry, 2900 Queen Lane, Philadelphia, PA 19129. E-mail: marilyn.jorns@drexel.edu.

POSITIONS OPEN

POSTDOCTORAL POSITION in virology at the University of Florida Shands Cancer Center. NCI/NIH-funded projects focus on EBV and KSHV lytic cycle proteins involved in gene regulation and their functional interactions with cellular proteins. A Ph.D. degree, experience in virology, and a background in molecular biology are required. If interested, please send curriculum vitae and names of three references to: Dr. Sankar Swaminathan, UFSCC, University of Florida, 1600 S.W. Archer Road, Gainesville, FL 32610-0232. E-mail: sswamina@ufl.edu.

POSTDOCTORAL POSITION in HIV pathogenesis available immediately to study the role of CD4 down-modulation during infection and to characterize host cell factors involved in HIV replication. Applicants should have a solid background in molecular virology. HIV experience desirable. Send curriculum vitae and references to: Dr. Juan Lama, Department of Medicine, University of California, San Diego, 9500 Gilman Drive, La Jolla, CA 92093-0665. Telephone: 858-534-4304; FAX: 858-534-7743; e-mail: aganzon@ucsd.edu.

POSTDOCTORAL FELLOWSHIP available at the Massachusetts Eye and Ear Infirmary/Harvard Medical School for research in auditory neurobiology focusing on neurotransmitters and cell signaling. Candidates should have a recent or anticipated Ph.D. Please send curriculum vitae and the names of three references to: William F. Sewell, Ph.D., Eaton-Peabody Laboratory, Massachusetts Eye and Ear Infirmary, 243 Charles Street, Boston, MA 02114. E-mail: wfs@epl.meci.harvard.edu. The Massachusetts Eye and Ear Infirmary is an Equal Opportunity Employer.

RESEARCH FELLOW/POSTDOCTORAL POSITION available to study the neural and behavioral mechanisms of cross-modality (i.e., multisensory) integration. Interest with either electrophysiological, behavioral, anatomical, or psychophysical techniques preferred. Send curriculum vitae and three letters of recommendation to: Barry E. Stein, Ph.D., Department of Neurobiology and Anatomy, Wake Forest University School of Medicine, Winston-Salem, NC 27157-1010. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available immediately to study role of hyaluronan in cell transformation and invasion (J. Clin. Invest. 106:349–360) or integrin function in cardiac myocytes (Am. J. Physiol. Heatt Circ. Physiol. 280:H361–367; Transgenic Res. 10: 269–275) using transgenic and molecular cell biological techniques. Stable, long-term positions. Send curriculum vitae and three references to: John A. McDonald, M.D., Ph.D., Salt Lake City VAHCS (111), 500 Foothills Drive, Salt Lake City, UT 84148.

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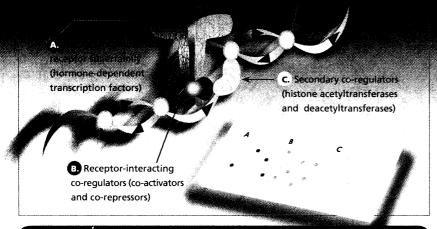
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