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POSITIONS OPEN

FACULTY POSITION PHYSICAL OCEANOGRAPHY Scripps Institution of Oceanography University of California, San Diego

Scripps Institution of Oceanography invites applications for an **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** (tenure-track or tenured) faculty position in physical oceanography. The successful candidate will be an observationalist studying processes pertinent to large-scale ocean circulation. Candidates involved in the design and use of modern techniques of observing the ocean are especially encouraged to apply. Physical Oceanographers interested in problems straddling the traditional disciplinary boundaries (for example, with biology, chemistry, or atmospheric sciences) will be given high priority.

Rank and salary will be commensurate with qualifications and experience based on the University of California pay scale. Candidates must have a Ph.D. or equivalent degree. The position will involve teaching and the supervision and support of graduate students and the development of research programs supported by extramural funds. Associate and Full Professorial candidates must show evidence of a strong research record; Assistant-level candidates will be expected to show evidence of their potential through a publication record appropriate to their experience. Applications received by September 30, 2001, will receive full consideration. Send letter of application including description of research interests, list of publications, résumé of teaching experience, and names/addresses of three references to:

**Chair, Physical Oceanography Search Committee
SIO Graduate Department
University of California, San Diego
9500 Gilman Drive
La Jolla, CA 92093-0208**

UCSD is an Equal Opportunity/Affirmative Action Employer.

IMMUNOTOXICOLOGIST Tenure-Track Position at the University of Montana

The Department of Pharmaceutical Sciences is seeking applications for an Immunotoxicologist, **ASSISTANT or ASSOCIATE PROFESSOR**. The successful candidate will be a core member of the Center for Environmental Health Sciences (**website: <http://www.umt.edu.cehs>**) within the Department. A competitive start-up package is available. The CEHS is building in the areas of molecular mechanisms of metal-induced alterations of immune function and/or respiratory toxicology. Requirements are a Doctoral degree and a strong record of research accomplishments including active or potential for research funding and teaching interest. Send letter of application, curriculum vitae, statement of research goals and teaching interests, and three letters of reference to: **Andrij Holian, Chair, Immunotoxicology Search Committee, Department of Pharmaceutical Sciences, The University of Montana, Missoula, MT 59812. Telephone: 406-243-4018; FAX: 406-243-2807.** Screening of applications will begin August 1, 2001, and continue until the position is filled. *Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITION MICROBIOLOGY

The University of Mississippi Medical Center invites applications for a tenure-track faculty position at the rank of **ASSISTANT or ASSOCIATE PROFESSOR**. It is anticipated that the position will be filled by an individual with a research interest in molecular virology or viral immunology. Interested individuals should send curriculum vitae, a statement of research interest, and the names and addresses of three references to: **Dr. L. W. Clem, Department of Microbiology, University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216.**

An Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.

POSITIONS OPEN

ASSISTANT PROFESSOR (tenure track), drug transport/pharmacogenetics at the University of Washington. The Department of Pharmaceutics of the School of Pharmacy at the University of Washington invites applications for an Assistant Professor position (tenure track) in the area of drug transport and/or pharmacogenetics. Qualifications include a Ph.D. and at least one year of postdoctoral experience. The successful candidate will be expected to develop an independent research program with extramural support and to teach in the graduate (Ph.D.) and the professional (Pharm.D) programs. The faculty members of the Department are highly interactive with basic and clinically related research in drug transport, drug metabolism, drug delivery, and vaccine development. The University of Washington and its health science complex is a multidisciplinary and dynamic research institution that consistently ranks within the top three universities in the United States in research funding. All applications should include curriculum vitae, a brief description of past research accomplishments, and future research plans. Applicants should also have three letters of reference sent in confidence to: **The Chair, Search Committee, Department of Pharmaceutics, Box 357610, University of Washington, Seattle, WA 98195.** For additional information, contact: **Dr. Unadkat; Telephone: 206-543-9434; e-mail: pceut@u.washington.edu; website: <http://depts.washington.edu/pceut/>.** *The University of Washington is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. The University of Washington is an Affirmative Action/Equal Opportunity Employer.*

DIRECTOR, CELLULAR IMAGING CENTER: The Department of Pathology and Anatomy seeks Ph.D. applicants for a faculty position in fall 2001 as director of our cellular imaging core facility. The facility is equipped with transmission and scanning electron microscopes, a new laser scanning confocal microscope, image analysis computer, and conventional fluorescence microscopes. Strong credentials in state-of-the-art light and/or electron microscopy (e.g., confocal applications, FRET) are desired. In addition to overseeing the imaging core facility, the Director will be expected to develop independent and/or collaborative research in one of five research areas: cancer, cardiovascular/renal, neuroscience, reproductive endocrinology, and virology. Please send curriculum vitae; statement of research interests; and names, addresses, telephone numbers, and e-mail addresses of three references to:

**William F. Glass II, M.D., Ph.D.
Chair, Department of Pathology and Anatomy
Eastern Virginia Medical School
P.O. Box 1980
Norfolk, VA 23501**

Eastern Virginia Medical School is an Affirmative Action/Equal Opportunity Employer.

PH.D. RESEARCHER POSITION

ANESTHESIOLOGY RESEARCH. The University of California, Irvine, will be recruiting during the months of April 20, 2001 to July 5, 2001, for an **ASSISTANT PROFESSOR**, tenure track. Requirements include Ph.D. or M.D. with significant research training or experience. Molecular biology experience is an asset. Opportunities for experimental and clinical research and collaborations with the basic sciences, including biomedical engineering. Present departmental research areas include gas kinetics in anesthesia during nonsteady state (NIH-funded program, HL-42637, systems to cellular physiology) and the study of mechanisms of anesthesia and memory (includes PET and MRI imaging technologies). Duties will include teaching of residents and medical students. Apply to: **Peter H. Breen, M.D., FRCPC, Vice Chair and Director of Academic Affairs, Search Committee Chair, Department of Anesthesiology, UCI Medical Center, 101 The City Drive South, Orange, CA 92868. FAX: 714-456-7702.** *UCI is an Equal Opportunity Employer committed to excellence through diversity.*



**MAYO CLINIC
CO-DIRECTOR
CYTOGENETICS LABORATORY**

The Mayo Clinic, Department of Laboratory Medicine and Pathology, is seeking a fourth co-director of the Cytogenetics Laboratory in the Division of Laboratory Genetics. The candidate should hold an M.D. or Ph.D. degree. Board eligible or board certified by the American Board of Medical Genetics is required. Responsibilities include interpretation, reporting, and consulting of a wide spectrum of cytogenetic and molecular cytogenetic tests for the diagnosis and characterization of congenital disorders, prenatal testing, hematological malignancies and solid tumors. Other duties include teaching and mentorship in an ACMG-accredited training program, joint supervision and scientific oversight of an active development team of technologists. An opportunity to do research is available, if desired.

Mayo Foundation is a non-profit physician led clinical practice integrated with education and research in a unified multi-campus system. Professional rank and salary will be commensurate with experience. Applications should be received prior to September 1, 2001. Curriculum vitae, a cover letter detailing experience, future interests, and names of three individuals who can provide letters of recommendation should be sent to:

Gordon W. Dewald, Ph.D.
Chair, Division of Laboratory Genetics
Mayo Clinic
200 First Street SW
Rochester, MN 55905

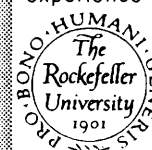
Fax: 507-284-0043, E-mail: gdewald@mayo.edu

Mayo Foundation is an affirmative action and equal opportunity employer and educator.

NMR SPECTROSCOPIST

An immediate opening exists in the Laboratory of Molecular Biophysics headed by **Dr. Milton Werner** to manage NMR spectroscopy in the laboratory. The facility is equipped with state-of-the-art Bruker DMX 500 and 600 MHz instruments and operates an 800 MHz instrument in conjunction with the New York Structural Biology Center. The Staff Spectroscopist will be expected to help maintain instruments, implement and develop new NMR experiments, train graduate students and postdoctoral fellows and help direct research in a diverse group of investigators who use NMR structural biology to elucidate molecular mechanisms of human disease.

A Ph.D. in solid or solution state NMR is required for this position. Excellent communication skills and a willingness to educate non-experts a must. Prior experience in the techniques of multinuclear biological NMR a plus. Interested parties should send a C.V. and summary of experimental NMR experience by email or fax to:



The Rockefeller University,
1230 York Ave, Box 125,
New York, NY 10021; FAX:
(212)327-7079; Email:
marshak@rockefeller.edu
An AA/EOE

ENDOWED CHAIR

EVELYN F. McKNIGHT CHAIR FOR BRAIN RESEARCH IN MEMORY LOSS EVELYN F. & WILLIAM L. McKNIGHT BRAIN INSTITUTE OF THE UNIVERSITY OF FLORIDA

The Evelyn F. & William L. McKnight Brain Institute of the University of Florida announces an exciting opportunity for an outstanding scientist working on fundamental mechanisms underlying the neurobiology of memory. Potential areas of research include a broad range of basic studies employing molecular, cellular and/or systems approaches that have clinical relevance to problems of age-related memory loss. Research programs focusing exclusively on Alzheimer's disease will not be considered. The successful candidate, who will fill the Evelyn F. McKnight Chair for Brain Research in Memory Loss, must have a PhD, MD or MD/PhD and an outstanding and well-funded research program. The candidate will also have the opportunity to contribute to the education of both graduate and medical students through teaching and mentorship. Laboratory and office space for this position will be provided in the new state-of-the-art Evelyn F. & William L. McKnight Brain Institute Building (<http://www.mbi.ufl.edu>). The appointment is for a tenure track faculty position at the FULL/ASSOCIATE PROFESSOR level. Salary is negotiable and will be commensurate with experience.

Applicants should submit curriculum vitae, a clear statement of research goals and the names of three references to:

Ronald L. Hayes, PhD
Chair of Search Committee
Evelyn F. and William L. McKnight Brain Institute of the University of Florida
Department of Neuroscience
100 Newell Dr./P O Box 100244
Gainesville, FL 32610
T: 352-392-6850 F: 352-392-8347
Email: hayes@mbi.ufl.edu

The completed application should be received by October 1, 2001, with an anticipated start date on or after January 2002.

The University of Florida is an Equal Opportunity Employer, and minorities and women are especially encouraged to apply.

GLOBAL OPPORTUNITIES



北京博奥生物芯片有限责任公司 生物芯片北京国家工程研究中心

拟以国外工资标准和公司期权股从海外中国留学人员中招聘下列各领域的资深科学家(Senior Staff Scientist)、首席科学家(Principal Scientist)和首席研究员(Principal Investigator)共 15 名: 分子生物学、微生物学、细胞生物学、神经生物学、药理基因组学(功能基因组学)、药物筛选、蛋白质工程、化学分析仪器设计与制作、分析化学、声学工程、光学工程、生物信息学、电子工程(微加工)、机械工程、微流体力学。

应聘人员应具有博士学位, 至少从事过三年以上博士后研究, 年龄在 45 岁以下, 在学术界和工业界具有优良的学术和业务发展记录。有意申请者请将本人简历及 10 篇最有代表性的论文单行本寄往以下地址:

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100084 北京市海淀区清华西路甲 2 号
北京博奥生物芯片有限责任公司
人事部 丁女士收
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1 New Industrial Road Times Centre Singapore 536196

Tel: (65) 284 8844 Fax: (65) 286 5754/382 7114 Email: tce@tpl.com.sg

Symposium: renayee@tpl.com.sg Tel: (65) 380 7424

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Tel: (65) 380 7427

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University of British Columbia

Dean, Faculty of Pharmaceutical Sciences



The University of British Columbia invites applications and nominations for the position of Dean of the Faculty of Pharmaceutical Sciences. UBC, a publicly supported university comprising twelve faculties, nine schools and numerous centers and institutes, ranks as one of Canada's top internationally recognized centers of research and learning.

The Faculty of Pharmaceutical Sciences has achieved international recognition for its strong and diverse research activities and the quality of its undergraduate and graduate programs. It offers courses leading to the degrees of BSc (Pharm), MSc, PharmD and PhD. The Faculty also supports hospital and community pharmacy residency training programs and continuing professional education. Enrolment includes 542 undergraduate students, the highest undergraduate enrolment of pharmacy schools in Canada, and 60 graduate students. The Faculty has 33 full-time academic faculty, a large number of clinical teaching faculty, and 35 research, administrative, secretarial and technical staff who work within five major disciplines: Pharmaceutical Chemistry; Pharmaceutics and Biopharmaceutics; Pharmacology and Toxicology; Clinical Pharmacy; and Pharmacy Practice. The primary teaching and research activities are conducted at the Point Grey Campus of the University as well as in affiliated teaching hospitals, and community pharmacies throughout British Columbia.

As a member of the University's senior management team, the Dean will provide the dynamic leadership required to meet the goals articulated in the University's Trek 2000 vision document and the Academic Plan – goals that recognize the critical importance of inter-professional and interdisciplinary collaboration in human health education. The successful candidate should possess distinguished credentials as an educator and researcher consistent with an appointment to the academic rank of Professor; demonstrated leadership abilities; and a commitment to fostering excellence in teaching, research and service. Vision, initiative and the drive to enhance the Faculty's national and international reputation will also distinguish the successful candidate. Candidates will have an interest in fundraising, proven communication and consensus-building skills and a willingness to work with faculty, staff, students and alumni, and government, community and professional bodies.

The appointment is for a term of six years, is renewable, and has a preferred start date of July 1, 2002. Applications and nominations will be received until October 15, 2001 or until the position is filled.

UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. Applications and nominations should be forwarded to the Chair of the Search Committee, Dr. Barry C. McBride, Vice President Academic and Provost, The University of British Columbia, 6328 Memorial Road, Vancouver, BC V6T 1Z2, Canada.

Please see the following web sites:

www.ubcpharmacy.org/
www.vision.ubc.ca/welcome.htm
www.oldadm.ubc.ca/apac/

Program Analyst

Howard Hughes Medical Institute conducts scientific research in leading academic centers throughout the US. We are seeking a Program Analyst to assist with developing/implementing policies and procedures for the **Precollege Science Education Program**.

The successful candidate will manage the development of grant initiatives, coordinate external review/awards processes, and assist in the design and implementation of evaluation projects. You will also organize the biannual meeting, and develop outreach programs. **Requires:** Bachelor's degree (Ph.D. preferred); 2 years of experience in research administration, grants management, or science education program development/delivery; a background in a biological science; and strong management, organizational, communication, computer (including MS Office), and information gathering skills. Occasional travel is required.

For more information about the Precollege Science Education Program, visit www.hhmi.org/precollege

HHMI offers excellent salaries and benefits. Forward your resume to: **HHMI, Attn: Mark Hertle, Ph.D.** 4000 Jones Bridge Road, Chevy Chase, MD 20815. Fax: (301) 347-3037. E-mail: resumes@hhmi.org No phone calls please. HHMI is an Equal Opportunity Employer.

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GLIATECH INC., a dynamic and growing pharmaceutical and medical device company, is seeking a Molecular Biologist at the Senior/Associate Principal Scientist level in its Exploratory Research Group.

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Along with an exciting and challenging environment, **GLIATECH** offers a competitive salary and benefits package, including a 401(k) plan and exceptional growth potential. For consideration mail, FAX or e-mail your *Curriculum Vitae* with the full contact information (including e-mail addresses) of three references to:

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E-mail HR@Gliatech.com**



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- Protein interaction analysis (SPR, calorimetry)
- Biological mass spectrometry (ESI, MALDI, TOF-TOF)
- Immunological assay development
- Pathology
- Histology/Immunohistochemistry
- Antibody production
- Software engineering

While changing the way drug discovery and development is conducted is impressive, we also believe in rewarding you in other ways:

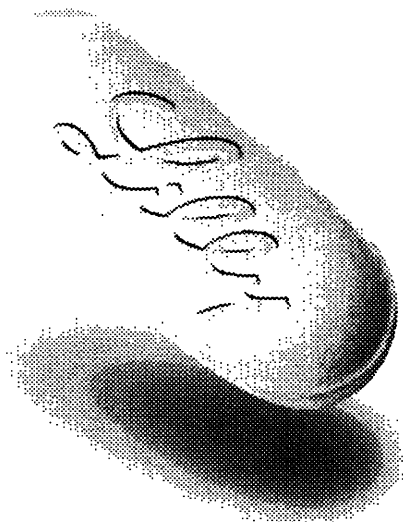
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The Biotech Group is seeking an enthusiastic, highly motivated, and energetic scientist to participate in the development and characterization of therapeutic antibodies. The ideal candidate will have a bachelor's or master's degree in biology with a background in immunology, cell biology, or related discipline. Experience in cell-based assay development and molecular biology is preferred.

SENIOR SCIENTIST - ANTIBODY DISCOVERY

The Biotech Group is looking for an experienced, creative, and energetic Ph.D. level scientist to lead antibody discovery projects in inflammation, autoimmunity, and critical care therapeutic areas. The successful candidate will be highly motivated to discover new antibody-based drugs to treat disease.

We are an equal opportunity employer who recruits, hires, trains, and promotes persons in all job titles without regard to race, color, religion, national origin, age, disability, or veteran status. Please reference code **ADSCMBIOS** when applying on-line.

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UNIVERSITY COLLEGE LONDON

Royal Free and University
College Medical School

David and Elaine Potter Professor of Transplantation Biology

Applications are invited for this newly established Chair, based in the Department of Medicine at the Royal Free Campus of our Medical School. The successful applicant will be a non-clinical scientist with an internationally recognised research programme in any area of transplantation biology and/or cell stem biology, including experimental transplantation, tissue typing and immunogenetics. The Royal Free Hospital has a major interest in clinical transplantation with established adult liver and renal transplant programmes. The Hospital also undertakes bone marrow transplantation and is currently developing an islet cell transplant programme. A number of research groups with an interest in transplantation biology are located at the Royal Free Campus, based within the Departments of Medicine, Immunology, Haematology and Virology, and at the Anthony Nolan Research Institute. The successful applicant will be expected to develop research programmes in close collaboration with these groups and, in particular, develop strong links with the clinical solid organ transplant teams.

Those interested in applying can obtain further details and arrange informal visits by contacting: either Professor Stephen H Powis (telephone +44 (0)20 7830 2695, fax +44 (0)20 7830 2125, e-mail: powis@rfhsm.ac.uk) or Professor Mark B Pepys, FRs (telephone +44 (0)20 7433 2801, fax +44 20 7433 2803, e-mail: m.pepys@rfc.ucl.ac.uk) The postal address for enquiries is Department of Medicine, Royal Free and University College Medical School, Rowland Hill Street, London NW3 2PF.

Applications (10 copies for UK-based candidates, one copy for overseas candidates), including a *curriculum vitae* and the names and addresses of three referees (including at least one international referee) and details of current salary, should be addressed to the Provost and President of UCL and sent to the Director of Academic Services, UCL, Gower Street, London WC1E 6BT.

The closing date for applications is **Friday, 31st August 2001.**

Working Toward Equal Opportunity

GLOBAL OPPORTUNITIES



TENURE AND TENURE-TRACK POSITIONS ESTABLISHED AND ENTRY-LEVEL SCIENTISTS IN VASCULAR BIOLOGY AND ANGIOGENESIS

The Bruce Rappaport Faculty of Medicine
Technion-Israel Institute of Technology
Haifa, Israel

Applications are invited for tenure and tenure-track positions for leading scientists in Vascular Biology and Angiogenesis. For entry-level positions, a Ph.D. and/or M.D. degree followed by successful post-doctoral training are required. Applicants must have proven excellence in research, the ability to establish an independent research program, obtain extramural funds, and willingness to teach medical and graduate students.

Generous laboratory space, start-up funds and technical assistance will be available to successful candidates.

Applications, including curriculum vitae, list of publications, a one page summary describing future research plans, and the names and contact information for four referees, should arrive no later than October 1, 2001 sent to:

Professor Israel Vlodavsky
c/o Mrs. Abbie Rosner
Coordinator, Search Committee
Rappaport Faculty of Medicine
P.O. B. 9649
Haifa, Israel 31096
E-mail: rosner@tx.technion.ac.il

NATIONAL INSTITUTES OF HEALTH-SUPPORTED POSTDOCTORAL TRAINING IN INTEGRATIVE CARDIOVASCULAR BIOLOGY

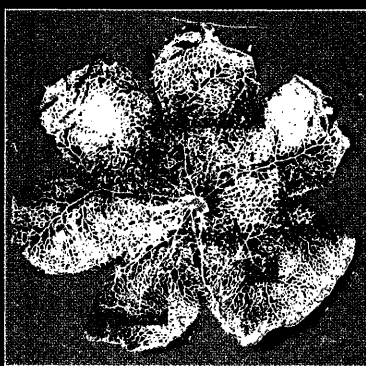


Applications are invited from highly motivated, well-trained individuals with a Ph.D. and/or M.D. degree who are interested in pursuing postdoctoral work in Integrative Cardiovascular Biology. Mentors are both clinical and basic science faculty with interests in:

- control of vascular tone
- cardiovascular development and angiogenesis
- cell signaling
- endothelial dysfunction
- prevention

For information and application, contact:
Dr. John D. Catravas
Program Director,
Vascular Biology Center,
Medical College of Georgia
Augusta, GA 30912-2500
Phone: (706) 721-6338
Fax: (706) 721-9799
e-mail: jcatrava@mail.mcg.edu

Also, visit the Web page:
www.mcg.edu/research



FACULTY AND INTERESTS

CATRAVAS, JOHN D., PH.D.

Training Program Director

Vascular cell signaling, control of vascular tone and endothelial dysfunction

TREIBER, FRANK, PH.D.

Training Program Co-Director

Primary prevention of cardiovascular diseases (CVD). Contributions of genetic polymorphisms and stress-related environmental backgrounds upon CVD.

ADAMS, ROBERT, M.D.

Prediction and prevention of stroke, especially stroke in children and adults with Sickle Cell Disease (Stroke Prevention in Sickle Cell Anemia Trial – STOP and STOP II).

BRANDS, MICHAEL W., PH.D.

Blood pressure control, with current emphasis on angiotensin II, arachidonic acid metabolites and nitric oxide in early diabetes.

CALDWELL, RUTH, PH.D.

Vascular cell signaling, endothelial dysfunction and angiogenesis.

CONWAY, SIMON, PH.D.

Vascular cell signaling and developmental biology of the cardiovascular system.

FUCHS, LESLIE, PH.D.

Vascular cell signaling, control of vascular tone and endothelial dysfunction.

GERRITY, ROSS, PH.D.

The role of the blood monocyte in atherogenesis and diabetes-induced acceleration of atherosclerosis.

GUTIN, BERNARD, PH.D.

Relations among exercise, diet, body composition, aerobic fitness and cardiovascular disease risk factors.

HARSHFIELD, GREG, PH.D.

Prevention, control of vascular tone, endothelial dysfunction, stress sensitivity, ambulatory blood pressure monitoring and the renin-angiotensin-aldosterone system.

HESS, DAVID, M.D.

The role of cerebral microvascular endothelial cell activation in the inflammatory cascade during acute ischemic stroke with a focus on the transcription factor, NF- κ B.

IMIG, JOHN, PH.D.

Mechanisms by which arachidonic acid metabolites influence renal hemodynamic and cardiovascular function

INSCHO, EDWARD, PH.D.

Mechanisms involved in regulating renal microvascular function

MARRERO, MARIO, PH.D.

Early signaling pathways by which vasoactive peptides and growth factors regulate the growth and proliferation of vascular cells.

MUNN, DAVID, M.D.

Regulation of macrophage differentiation. Macrophage-endothelial cell interactions.

POLLOCK, DAVID, PH.D.

Role of endothelin, NO in fluid-volume and blood pressure regulation relative to hypertension and renal disease

POLLOCK, JENNIFER, PH.D.

Elucidation of the biochemical, physiological and pathophysiological roles of vasoactive mediators in mammalian cell function.

VENEMA, RICK, PH.D.

Signal transduction in vascular endothelial cells and regulation of the endothelial nitric oxide synthase.

WEBB, CLINTON, PH.D.

Physiology and regulation of vascular smooth muscle cells.

WHITE, RICHARD, PH.D.

Hormonal and neurotransmitter regulation of ion channel activity in smooth muscle.

WINGARD, CHRISTOPHER, PH.D.

Physiological regulation of vascular smooth muscle mechanics and energetics: erectile function and dysfunction

APPLICATIONS ARE BEING ACCEPTED



**Better world.
Better careers.**

Postdoctoral Fellow

A postdoctoral fellowship position is available to investigate the expression and function of novel GPCR's and ligand gated channels in chondrocytes and synoviocytes. Experimental systems include assessment of gene and protein expression levels, intracellular signaling measurements, and cell-based functional assays. The project is a collaborative effort with Functional Genomics (U.S.) and NS-Chronic Pain Unit (London). Publication of novel results and participation in external meetings is highly encouraged.

Applicant should have a recent Ph.D. in Cell or Molecular Sciences, experience in PCR, mammalian transfection, and intracellular signaling assays (e.g. camp, ion fluxes, or protein kinesis) is essential. Additional experience with Immunocytochemistry or receptor pharmacology would be an advantage. **Requisition #9779AD.**

Postdoctoral Fellow

We are seeking a postdoctoral fellow specialized in protein mass spectrometry. The individual will be responsible for developing technology to analyze complex mixtures of proteins for differential analysis using alternative techniques to 2D gels.

Qualifications include a Ph.D. in Chemistry, Biochemistry or related field, with experience with protein purification, fractionation, affinity enrichment, multi-dimensional chromatography, electrospray LC/MS and MALDI TOF MS. Strong experience in the application of mass spectrometry to protein characterization using LC-MS to analyze complex protein mixtures is desired. A strong background in information technologies is a plus. **Requisition #9780AD.**

Postdoctoral Fellow

Our research center investigates aspects of carbohydrate metabolism in relation to type 2 diabetes. The postholder will implement and apply the glucose clamp procedure in combination with ¹³C and ³¹P-MRS to explore muscle and hepatic glucose metabolism in a unique model of insulin resistance (monkey). Applicants with a strong background in *in vivo* NMR spectroscopy and an interest for carbohydrate metabolism are encouraged to apply. Basic facilities include a 3 Telsa/60 cm Bruker platform. Laboratory projects are aimed towards increasing utility of MR spectroscopy in regard to drug profiling.

Qualifications include a Ph.D. and experience appropriate to the position. Bioinformatics experience is desirable. **Requisition #9753AD.**

Postdoctoral Fellow

In this key role, you will be responsible for molecular characterization of human genes, potentially associated

with Alzheimer's disease. The candidate will use state-of-the-art molecular biology techniques and work with a team for high throughput identification of AD-related genes.

Qualifications include a Ph.D. in Molecular Biology or Biochemistry, plus a strong background in genetics. Must possess strong communications skills and be able to work effectively as part of a team. **Requisition #10206AD.**

Bioinformatics Scientist

Incumbent will be responsible for supporting oncology worldwide data mining activities in functional genomics and proteomics while interfacing closely with multidisciplinary teams, including molecular/cell biologists, medicinal chemists and other computational specialists. Using advanced structural bioinformatics tools and differential gene expression profiling, you will aid in the discovery, prioritization and functional annotation of novel targets. In addition, you will support structure activity relationship(s) and target validation studies, as well as rational drug design on existing programs, thereby guiding the synthetic efforts in a target family specific manner. Thus, by applying state-of-the-art *in silico* algorithms and comparative genomic analyses, incumbent will facilitate and expedite the identification of disease relevant protein family members, as well as the assignment of biochemical function(s) and assessment of their potential "drugability".

Qualifications include a Ph.D. in either Informatics or Biology and a minimum of 2 years' experience in bioinformatics. Experience in structural biology, drug design or oncology is preferred, but not mandatory. **Requisition #10432AD.**

Scientist II

We are seeking a Biochemist/Enzymologist to participate in drug discovery in Oncology Biology with experience in enzymology, protein expression, protein purification and tissue culture. Responsibilities will include enzyme assays, analysis of compound effects on mammalian cells by western blots, and protein expression, purification and characterization. Additional responsibilities will include quantitative analysis of enzyme and cell assays, and database organization of experimental results. Knowledge of molecular biology techniques, subcellular fractionation, FAC's analysis would be a plus.

Qualifications include a B.S. degree plus 5 years' or M.S. degree plus 2 years' experience, strong laboratory skills, including enzyme assays, protein expression and purification, and tissue culture. Must be able to analyze quantitative data, report results to biology and chemistry team members, and be familiar with Excel, PowerPoint and graphing programs. **Requisition #10361AD.**

Scientist III

Selected candidate will perform organic chemistry experiments and purification procedures, using standard organic laboratory techniques or new procedures to obtain pure characterized compounds for biological evaluation.

Qualifications include a B.S. degree in Organic Chemistry; M.S. in Organic Chemistry preferred, a minimum of 2 years' experience in the synthesis and characterization of organic compounds, and experience in the use of chromatography purification systems. Must be familiar with common spectroscopy (NMR, IR, UV, MS) and analytical systems and be able to work effectively on drug discovery teams. **Requisition #10448AD.**

Our global commitment of \$2.5 billion is advancing science through research.

Enter the world of Novartis Pharmaceuticals. Our dedication to R&D is the driving force powering our pharmaceuticals pipeline. And our pipeline is stronger than ever - connecting the world to breakthrough treatments that help people live longer, healthier lives. Today, we're introducing innovative treatments for an ever-increasing variety of diseases and disorders. From Alzheimer's and epilepsy to cancer and Parkinson's. And you could be an integral part of the innovation.

With a global investment of \$2.5 billion, we're assembling leading-edge research teams from a broad spectrum of specialties including Functional Genomics, Pharmacogenetics, Oncology, Arthritis and Bone Metabolism, Metabolic and Cardiovascular Disease, Transplantation, Central Nervous System and Infectious Disease. Join our Summit, NJ operation, work with experts in both New Jersey and Switzerland and be the key to tomorrow's discoveries.

Scientist I/II/III

Participate in a laboratory that will be developing new models of osteoarthritis, which will be used for both drug evaluation, as well as analysis of new molecular targets in OA in collaboration with internal and external activities in functional genomics. You will participate in the histological and immunocytochemical examination of joint tissues to assess the affect of disease modifying agents on joint pathology in osteoarthritis. The individual will be responsible for tissue collection, sectioning, staining and analysis. Section analysis will involve the use of both conventional and fluorescence microscopy. There will also be the opportunity to gain experience in antibody purification and the design of new histochemical assays to detect novel drug targets. Will also be responsible for carrying out tissue culture on explants of joint tissue.

Qualifications include a B.S. degree in a biological science, and 2-3 years' job experience. Experience of histological techniques, a working knowledge of joint morphology (though training will be given), and ability to work with small animals will be necessary. Working knowledge of tissue culture, Western blotting and ELISA techniques, and experience with *in situ* hybridization techniques would also be advantageous. **Requisition #10429AD.**

DDC Automation Engineer

This individual will be responsible for the analysis, conceptual design and implementation of laboratory and process automation needs in the DDC, as well as for the design of custom modifications, planning/organizing the implementation of integration of laboratory, process automation and automated drug screening systems in DDC. You will write specifications and documentation, as well as manage small to large size staff automation/engineering projects.

Qualifications include a B.S. or M.S. degree in an engineering discipline, with experience in automation, industrial automation, process engineering, engineering physics, or mechanical/electrical engineering. Must possess the ability to optimize automation and business processes, including the use of simulation methodologies and should have, or quickly acquire, a good understanding of general research and drug discovery business processes. An additional background or work experience in information technology, as well as previous work experience in a similar work area (automation in scientific laboratory environments and for drug screening processes) is an advantage. **Requisition #10021AD.**

Principal Analyst/Core Technician

As Group Leader for the U.S. part of the DDC-IT group, you will provide the required IT solutions for DDC U.S., as part of the global DDC IT organization, and build bridges between DDC staff, scientists and IT. The group leader will be expected to ensure full coordination and collaboration within the global DDC-IT group, as well as of the local DDC-IT operation. Responsibilities will include the design of system architecture, the elaboration of functional and conceptual requirements, system analysis, data and process modeling, design and development of databases, and

database and multi-tiered client/server applications. Additionally, you will plan, coordinate, organize and execute the implementation and integration of new systems or system components at the global level, manage IT projects and ensure the close collaboration with staff and scientists in the Drug Discovery Center.

Qualifications include a B.S. degree in Information Technology/Computer Science (M.S. preferred), with 3-5 years' computer science, software engineering and development skills. Experience in the following areas will be required: Oracle and Microsoft development tools; object-oriented design concepts and programming languages; strong abstraction and system design skills; familiarity with modern system architectures and varied programming techniques and with Activity Base. Previous work experience in a scientific area or a background in a non-IT scientific discipline is an asset. Occasional overseas travel will also be required. **Requisition #10246AD.**

Systems Analyst/Scientist

Incumbent will be responsible for providing computer software design support in data management for High Throughput Screening. This will include the design, realization and implementation of IT solutions according to given specifications, elaboration of functioning software to support laboratory processes, and integrating laboratory instrumentation in the HTS program. In addition, you will develop functions/objects, customize standard solutions, consult with research scientists on the specification of hardware and software systems and support Windows 98/NT/2000 platform and a variety of application software.

Qualifications include a B.S. degree in Information Technology or equivalent relevant practical experience. The candidate must have 1-2 years' of experience with one or more MS-Windows based development environments, such as Visual Basic, Visual C++, and possess skills in one or more development languages (e.g. Java, HTML and PL/SQL). Working experience with relational database management systems (ORACLE) supported by excellent understanding of logical database design, along with laboratory instrument interfacing and laboratory data management software experience will also be needed. Experience with Activity Base is highly desirable. **Requisition #10247AD.**

Computer Biologist

Play an integral role in the planning and analysis of studies in molecular biology, genomics and genetics, and ensure that the knowledge created will be registered with our global biological knowledge databases.

Qualifications include an excellent background in biology and fluency in the use of computational methods applied in biology using resources on both intra and internet. Academic education in natural sciences or related areas, preferably with some understanding of metabolic and cardiovascular diseases will be required. Experience with database annotation is an asset, while familiarity with programming languages, relational databases and statistical methods are a plus. Must be able to translate theoretical concepts to experimentally oriented scientists. **Requisition #10354AD.**

At Novartis Pharmaceuticals Corporation, we offer excellent compensation and benefits programs that reflect our position as an industry leader. The programs include medical, dental, vision, legal and financial planning services, insurance, 401(k) as well as leadership development initiatives. Open the door to a better career at the epicenter of pharmaceutical discovery.

Please email your resume as a 'Microsoft Word' attachment to rd@recruitmentsolutions.com. Include in your email message the following information: 1. In the subject area and in the main copy of your email, reference the requisition # (4 digit req #) for sorting purposes. 2. In a brief note or cover letter, indicate where core competencies align with requisition.

As an alternate method of submission, you may fax your resume and cover letter to: 800-343-8850. If you would like to know more about openings available at Novartis, please visit our website at: www.joinnovartis.com. We are an equal opportunity employer M/F/D/V. Principals Only.



www.joinnovartis.com



MAX PLANCK INSTITUTE FOR CHEMICAL ECOLOGY JENA, GERMANY

We are seeking a qualified analytical chemist to be the

HEAD of MASS SPECTROMETRY FACILITY

at the MPI for Chemical Ecology (MPICE) in Jena, Germany. The candidate will be expected to run an efficient service group, carry out collaborative research with the major departments of the institute, and conduct independent research within the field of chemical ecology/natural products chemistry. The MPICE has state-of-the-art MS instrumentation, including a Quattro II tandem quadrupole spectrometer (with LC coupling), a 'MasSpec' three sector MS (with GC coupling), and a ToFSpec 2E MALDI-TOF MS. The institute conducts world-class research in chemical ecology and natural products chemistry/biochemistry, and is very international in character, with English and German as the official languages.

Applicants should hold a doctoral degree in organic/analytical chemistry or biochemistry, and have extensive practical and theoretical knowledge of mass spectrometry. We are particularly seeking candidates with experience in analyzing macromolecular biological samples (peptides, proteins, oligonucleotides and interactions between ligands and macromolecules). The position will be filled at the BAT IIa level or higher, depending on experience and qualifications.

Disabled applicants possessing identical skills and experience will be given preferential treatment. Applications from women are particularly welcome.

Informal inquiries should be directed to Dr. Neil Oldham (oldham@ice.mpg.de). Applications, including a letter describing suitability for the position, curriculum vitae and the names and addresses (including email and fax, if possible) of two referees should be sent to Dr. Margrit Kluge, Administrator, Max Planck Institute for Chemical Ecology, Carl-Zeiss-Promenade 10, 07745 Jena, Germany. Closing date: 31st July 2001.
Website: www.ice.mpg.de

Our excellence in the fields of virology and cancer, and the strength of our academic collaborators and corporate partners, position us as a leader in the development of safe and effective therapies for life-threatening diseases. Located in a beautiful research campus in Tarrytown, NY, just 30 miles North of NYC, careers with our progressive company offers highly competitive salaries, outstanding benefits and generous stock programs. Expansion of our product pipeline has created outstanding opportunities in the area of biologics process development.

DIRECTOR Process Development

You will be responsible for the development, optimization and implementation of processes for internally producing clinical supplies. To qualify, you must have a PhD or equivalent in biological or engineering sciences and 7 years experience in all aspects of upstream and/or downstream cGMP process development, scale-up, validation and implementation. Expertise in the production of mammalian-derived vaccines, antibodies and fusion proteins is critical. Excellent personnel/project management and oral/written communication skills required.

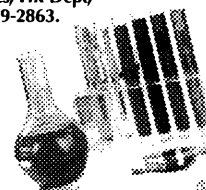
RESEARCH SCIENTIST Process Development

You will be responsible for hands-on performance of bioreactor and/or purification processes, optimization of upstream/downstream process yield, and preparation of preclinical materials to support R&D. To qualify, you must have a BS/MS in biological or engineering sciences. Familiarity with cGMPs and process scale-up is critical. Must have at least 3 years experience in mammalian cell culture, bioreactor operation, fermentation, media optimization and/or protein purification, column chromatography, and protein analysis.

For immediate consideration, qualified candidates may send CV with salary requirements, indicating position desired, to: **Progenics, HR Dept**, P.O. Box 549, Tarrytown, NY 10591. Fax: 914-789-2863.
E-mail: hr@progenics.com.
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LLC

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

Please send CV and references to:

Dr. Carmen Eilertson
info@zygogen.com

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

Search Advertisement for Executive Director, American Registry of Pathology

The American Registry of Pathology (ARP), a 501-C3 organization, chartered by Congress in 1976, located at the Armed Forces Institute of Pathology (AFIP) on the Walter Reed Army Medical Center Campus in NW Washington, DC is conducting a national search for a new Executive Director. Applications are invited by 15 September 2001 for appointment on 1 July 2002. A Director Designate in residence is desired by 1 January 2002.

Qualifications include an MD or equivalent with acknowledged national stature in one of the major branches of pathology. He/she should have a documented background of administration, education, financial management, leadership, and interpersonal skills. The ARP's major role is to assist in the AFIP missions of education, research and consultation.

Potential candidates are invited to submit a CV by letter or fax to: **Dr. Bernard Wagner**, Chairman of the Search Committee, c/o American Registry of Pathology, 14th Street & Alaska Avenue, NW, Building 54, Room 1075, Washington, DC 20306-6000. Fax number is [202] 782-1476.

The ARP is an equal opportunity employer.

University of
South Florida
USF

ASSISTANT/ASSOCIATE PROFESSORS

Dept. of Anatomy, College of Med, Univ. of South Florida, openings for tenure track Assistant and Associate Professor.

Women and minorities are strongly encouraged to apply. Start date neg. Positions' responsibilities include teaching dissection based gross anatomy, participating in graduate prog., establish independent research programs that complement research areas of dept./college. Ph.D. and/or M.D. and two years of postdoc research training, engaged in compatible research topic required. Prefer: potential for obtaining extramural funding, publications, potential for independent or collaborative research utilizing cell and molecular techniques to address important clinical problems, exp. teaching gross anatomy, potential to develop collegial relationships w/ faculty, staff and students. Appointment to Assoc Prof requires: 5 years of exp. in Anatomy or related discipline at Assist Prof level and prefer: funded research project that addresses clinical problems utilizing cell and molecular technology, potential to complement ongoing research at USF/COM, exp. teaching to medical students. Salary neg., rank commensurate w/ credentials and exp.

Applications must be received by August 30, 2001. Send CV, 3 references, plus statement of research to: **Dr. Cameron**, Dept. of Anatomy, MDC 6, 12901 Bruce B. Downs Blvd., Tampa, Florida 33612, or dcameron@hsc.usf.edu.

For disability accommodations contact Ms. Baca (813/974-2843) at least five working days in advance. According to Florida law, applications and meetings regarding them are open to the public.

USF is an EO/AA/EAE.



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 \$4.7 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.

Located adjacent to the University of Michigan Campus, **PGRD Ann Arbor** is nestled in a vibrant city surrounded by premier educational and medical institutions, celebrated museums, fine restaurants and year-round recreational activities. We've recently expanded our Ann Arbor facilities to maintain the momentum of our success, and our phenomenal growth means new and diverse opportunities for dedicated professionals like you. Contribute to industry-leading efforts to improve health in a work environment that encourages you to apply your skills and fresh perspective to our dynamic pursuits.



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The Face of Pfizer

Senior Research Associate/Associate Research Fellow in Cardiovascular Pharmacology

You will direct the day-to-day activities of a group of scientists focused on lipoprotein metabolism and atherosclerosis using molecular, cellular, and animal models for drug discovery. Primary responsibilities will include defining project plans and goals; assuming a significant role in setting the direction for new drug discovery projects; ensuring the alignment of group activities with the goals and objectives of the Cardiovascular Pharmacology Area; and assisting the Department Director in coordination of section activities, projects, budget, and personnel. You'll also prepare reports, publications, and regulatory submissions. You must have a Doctorate with at least 8-10 years of related experience, significant accomplishments documented by publications, patents, and other technical reports, and an in-depth understanding of lipid and lipoprotein metabolism regulatory networks, including molecular pathways involved in normal and pathologic lipid metabolism and atherosclerosis. Req. #02May0105114

Associate Scientist/Senior Associate Scientist

As a member of the Ultra High Throughput Screening team, you will be responsible for operating and maintaining automated instrumentation used in high throughput screening (HTS). Duties include running high throughput screens for multiple therapeutic targets and performing routine quality control on instrumentation. This position requires an BS/MS in Life Science, Chemistry or Engineering, 2-5 years industrial experience and demonstrated experience using automated equipment, including liquid handlers. An in-depth knowledge of Statistics and Robotics is a plus. Req. #22May0105086

Biochemist

Making critical contributions to our antibacterial research efforts, you will use molecular biology and biochemical techniques to carry out the expression, purification, and characterization of diverse proteins. You must have a BS/MS in the area of Protein Biochemistry/Enzymology, 1-2 years experience in an industrial or academic setting, and a demonstrated knowledge of the kinetic analysis of enzymatic mechanism and inhibitor action. Experience with UV/Vis, fluorescence, radiochemical, and HPLC techniques in the analysis of proteins and small molecules is desirable. Req. #06Apr0104182

Postdoctoral Position – Computational ADME Scientist

Working closely with experimental and computational scientists to develop structure-metabolism relationships, you will elucidate the mechanisms of drug-drug interactions by developing appropriate computational models that predict potential cytochrome P450 inhibition of discovery compounds. These models will be constructed using a combination of state-of-the-art molecular modeling approaches applied to both literature and corporate data sets. You must have a PhD in Chemistry, Computational Chemistry, Biochemistry or a related field, and experience in developing SAR models or active/site models for protein ligand interactions. Familiarity with P450 models is desirable. Req. #08Jun0105519

Senior Scientist

Managing the bioanalytical component of clinical pharmacokinetic trials, you will provide study details to contract research organizations (CROs); coordinate the delivery of analytical compounds; establish and track study milestones; and ensure the timely delivery of data to project leaders. You'll also prepare analytical study budgets for Phase II and III clinical trials, identify analytical methods for nonproprietary compounds and update CROs on upcoming PK studies. This position requires a BS in Chemistry, Biology or a health-sciences-related discipline with 5-11 years pharmaceutical experience. Knowledge of clinical protocol (particularly Phase II and III protocol) is essential, and bioanalytical lab experience is preferred. Req. #01Mar0103192

Pfizer offers an exceptional work environment complete with competitive salaries, exceptional 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.

Best in your field? We're looking for the cream of the crop!



Torrey Mesa Research Institute, (formerly Novartis Agricultural Discovery Institute, Inc.), a research institute of Syngenta Research & Technology, is one of the largest, single, fully-funded research endeavors dedicated to agricultural genomics, consumer health, and post-genomics technology. As an innovative and team-oriented company, we develop and apply cutting-edge biotechnology to match genes with traits for improved agribusiness products, including consumer and animal health products. We are seeking the following talented individuals:

Postdoctoral/Senior Research Associate

A position is available to study host-virus interactions and to develop vectors to study plant gene function. Requires Ph.D. with 0-2 years' postdoctoral experience/MS with 1-2 or BS with 3-5 years' laboratory experience, emphasizing molecular plant virology. Responsibility involves recombinant plasmid construction, protein expression and purification, yeast two-hybrid screen, Agrobacterium-mediated transformation, nucleic acid isolation and analysis. Excellent communication and organizational skills are essential. Must be able to work in a team-oriented environment. **Job Code: PDSrRA/YHOU-SCI**

Postdoctoral Associate

Research focus will be on the assignment of biological function to transcription factors in Arabidopsis. We will take advantage of TMRI's T-DNA insertion lines and the Arabidopsis GeneChip to uncover functions of transcription factors. A Ph.D. and demonstrated expertise in molecular biology and plant biology is required. **Job Code: PD/PBUD-SCI**

TMRI offers excellent compensation and a great benefits package, including 401(k) with match and immediate vesting.

For confidential consideration, please send cover letter indicating position of interest

and resume including salary history and expectations to: **Torrey Mesa Research**

Institute, Attn: HR/Job Code, 3115 Merryfield Row, San Diego, CA 92121-1102.

Fax: (858) 812-1096. EOE

syngenta

www.tmri.org

Trimeris, Inc. is a publicly held biopharmaceutical company focusing on the discovery and development of a new class of antiviral therapeutics. We are currently seeking qualified candidates for the following position:

Biophysical Chemist

MS in Chemistry with 4-6 years of experience or PhD in Chemistry with 0-3 years of related experience. Experience with techniques such as Light Scattering, Circular Dichroism, Analytical Ultracentrifugation, Fluorescence or Surface Plasmon Resonance preferred. Experience with other biophysical techniques and/or spectroscopies a plus. Must have good communication skills and be able to contribute within a team environment.

Trimeris offers a competitive compensation and benefits package as well as a pleasant and intellectually stimulating work environment. Qualified candidates should send resumes to: **Trimeris, Inc., Attention: H.R. Dept., Job Code #: 062401-SCN, 4727 University Drive, Durham, NC 27707. EOE. No phone calls please. Visit us online at: www.trimeris.com.**

Visit us online at:
www.trimeris.com

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CHAIRPERSON DEPARTMENT OF HORTICULTURE

The Michigan State University College of Agriculture and Natural Resources invites applications and nominations for the position of Chairperson of the Department of Horticulture a full-time, annual appointment to serve as chief administrative officer and provide leadership in developing, budgeting, and administering all teaching, research, extension, outreach, and international activities. Applicants must have an earned doctorate in plant sciences or related field, meet the requirements for tenure at full professor, and have demonstrated excellence in teaching, research, extension/outreach and/or international activities. Applicants must possess a vision for the future, demonstrated leadership ability, strong interpersonal skills, aptitude for administration, ability to forge positive relationships with horticultural industries, and an established national/ international reputation. Salary is commensurate with professional experience.

The Department (<http://www.hrt.msu.edu>) enjoys an excellent national and international reputation and consists of 30 faculty, 37 support staff, 22 postdocs, 43 MS and PhD students, and 300 undergrad/ag. tech. students. It has a \$9 million budget, one-third from external funding. Located in the modern Plant and Soil Sciences Building it has extensive field, greenhouse, and garden facilities. Areas of research focus include plant breeding and genetics, including molecular genetics; plant physiology including developmental and environmental physiology; crop production and integrated crop management including fruit, vegetable, floriculture and ornamental crops; post-harvest handling and physiology; value-added natural products; landscape design and management; and international agriculture.

Qualified persons are requested to submit a letter of application, a statement of administrative philosophy emphasizing approaches to foster faculty/staff/student development and vision for program direction and growth into the 21st century; curriculum vitae; and names, addresses, and telephone numbers of five references to **Dr. Rebecca Grumet, Search Committee Chair, MSU-Horticulture, East Lansing, MI 48824 (phone: (517) 353-5568; fax: (517) 353-0890; email: grumet@msu.edu)**. Applications accepted until September 15, 2001, or until a suitable candidate is selected.

MSU is an Affirmative Action/Equal Opportunity Institution.



EDEN Bioscience is an agricultural life sciences company engaged in the development of proprietary, non-toxic plant treatments that activate plants' own internal defense and growth systems.

Chemist

- Assist the scientific and manufacturing staff in creating viable analytical methods for the company's proprietary products.
- Extensive experience in HPLC and a protein background required.
- PhD. or M.S. with 5 years experience in analytic or organic chemistry.

Molecular Biologist

- Plan and execute laboratory research and maintain a broad knowledge of state-of-the-art principles and theories.
- PhD. in Molecular Biology or related field with at least one year of post-doctoral training.
- Working experience with DNA, RNA, and protein expression is essential.
- Strong academic publication record.

Formulation Specialist

- Assist the scientific and manufacturing staff in creating viable formulations for the company's proprietary products.
- Five to ten years experience in agricultural protein product formulations.
- Hands-on formulation experience with agricultural products is essential.

All positions require:

- Strong interpersonal and communication skills in both oral and written formats.
- Proven capability to implement and follow through complex research programs.
- Ability to convey technical ideas to fellow researchers and non-technical colleagues.

All positions report to the Director of Product Development and Processes.

Please send resumes to: **Eden Bioscience Corporation, Attn: Erin McGibbon, 11816 North Creek Parkway North, Bothell, WA 98011. Fax: (413) 618-8532. E-mail: jobs@edenbio.com.**

Be an NCI Cancer Prevention Fellow

THE NATIONAL CANCER INSTITUTE (NCI) sponsors the Cancer Prevention Fellowship Program (CPFP). Its purpose is to train individuals from a multiplicity of health and biomedical science disciplines in the field of cancer prevention and control.

What will I get out of the program?

- Master of Public Health degree
- NCI Summer Curriculum in Cancer Prevention
- Mentored research at the NCI
- Brief field assignments at other institutions

Research opportunities include cellular signatures of cancer, chemoprevention, clinical epidemiology, diet, nutrition and other lifestyle-factor studies, evidence-based decisionmaking and ethics, gene environment interactions, health disparities and special populations, intervention studies, molecular carcinogenesis, outcomes research, screening and

early detection (including genetic and other biomarkers), smoking cessation, social and behavioral research, statistical and epidemiological methodology, and translational research.

Am I eligible?

You must have a doctorate degree (M.D., D.D.S., D.O., J.D., Ph.D. or equivalent). Foreign education must be comparable to that received in the United States.

You must also be either a citizen of the U.S. or resident alien eligible for citizenship within 4 years.

How long is the program?

Fellows are accepted for up to 5 years of training beginning in July.

When are applications due?

Applications are due September 1, 2001 for entry into the program July 1, 2002.

How do I apply?

To receive a catalog*, contact:

Douglas L. Weed, M.D.,
M.P.H., Ph.D.
Director
Cancer Prevention
Fellowship Program
National Cancer Institute
6120 Executive Boulevard (EPS)
Suite T-41, MSC 7105
Bethesda, MD 20892-7105

* Please provide home address and where you heard about the program.

Further inquiries:

Mrs. Barbara Redding
Phone (301) 496-8640
Fax (301) 402-4863
E-mail br24v@nih.gov

Visit our Web site at:

<http://dcp.nci.nih.gov/pob>
or
<http://resresources.nci.nih.gov/links.cfm>



University of Zurich Faculty of Science

The Faculty of Science of the University of Zürich invites applications for a

PROFESSORSHIP IN BIOLOGICAL ANTHROPOLOGY

Applicants should have an internationally competitive research program and outstanding scientific achievements in biological anthropology. Preference will be given to applicants whose research shows broad interest in human and primate evolution.

This is the only full professorship in and the directorship of the Anthropology Institute and Museum of the University. The Institute and Museum, which has a public display area and is fully integrated in the teaching of the University, has an extensive collection, a primate station, an experienced staff and close collaboration with colleagues in both the Anatomy Institute of the Medical Faculty and the recently established Consortium for Evolution and Biodiversity. Experience in museum displays or in furthering the public understanding of science would be advantageous. The successful candidate will establish a research group, participate in teaching basic anthropology and give advanced courses. The successful candidate should expect to teach in German within two years.

Applications including a curriculum vitae, a publication list, short summaries of current and future research and of teaching activities and copies of three recent key publications should be sent by August 31, 2001 to Prof. Dr. K. Brassel, Dekanat der Mathematisch-naturwissenschaftlichen Fakultät der Universität Zürich, Winterthurerstrasse 190, CH-8057 Zürich, Switzerland. At the same time please submit your CV and list of publications in a single file to jobsmnf@zuv.unizh.ch.

For information on the infrastructure of the institute and museum, please see www.unizh.ch/anthro or contact Dr. D. Glaser, dkglaser@aim.unizh.ch, Anthropologisches Institut und Museum, Winterthurerstrasse 190 CH-8057 Zürich.

FACULTY OPPORTUNITIES

The University of Texas M. D. Anderson Cancer Center, ranked the #1 cancer center and nominated in four other categories by *U.S. News & World Report*, is the world's largest treatment facility for oncological diseases. Located within the Texas Medical Center campus in Houston, our location provides access to a world renowned medical community and the splendid cultural and recreational diversity of a sophisticated, metropolitan area that is the country's fourth largest city.

Opportunities available in the following:

- Biochemistry & Molecular Biology
- Biomathematics
- Cancer Biology
- Carcinogenesis
- Experimental Therapeutics
- Immunology
- Molecular Genetics
- Molecular & Cellular Oncology
- Molecular Therapeutics
- Veterinary Medicine & Surgery

The University of Texas M. D. Anderson Cancer Center provides competitive salaries and generous benefits. Interested candidates are invited to send a copy of their CV and a letter describing their clinical and academic interests to: **Faculty Academic Affairs Recruitment, 1515 Holcombe Blvd., Box 201, Houston, TX 77030; or e-mail: facultyrecruitment@mdanderson.org**. For additional information, please call 1-866-668-1638.

THE UNIVERSITY OF TEXAS
MD ANDERSON
CANCER CENTER
Making Cancer History™

The University of Texas M. D. Anderson Cancer Center values diversity in its broadest sense. Diversity works at M. D. Anderson
EEO/AA Smoke-free environment.



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Senior Grant Coordinator

Department of Internal Medicine

Please refer to job posting #01-670.SCI

Mayo Clinic is an affirmative action and equal opportunity educator and employer.

Mayo Clinic has an exciting opportunity for a Senior Grant Coordinator to research extramural funding opportunities; conceive and write scientific and educational grants; review and edit investigators' grant proposals; and educate faculty and fellows about all aspects of grant writing.

Ph.D. in science with experience and interest in education is preferred; exceptionally qualified Master's candidates will be considered. Requires 7-10 years of significant grant researching, writing and editing experience; a proven track record of securing extramural funding; and experience working with physicians and scientists.

As a leader in healthcare, Mayo Clinic offers an excellent salary and benefits package, including relocation assistance.

Mayo Clinic Jill Kelly, Human Resources OE-4
200 1st Street SW | Rochester, MN 55905

Mayo Clinic uses optical scanning technology. Please use a 12 point font in your resume with minimal use of bullets, italics, underlining and bolding. © 2001, Mayo Clinic

phone 800-562-7984 e-mail careers@mayo.edu www.mayo.edu

Research Position

The Behavioral Psychopharmacology Research Laboratory (BPRL) of the McLean Hospital has an immediate open faculty position for an individual with strong background in clinical and/or behavioral pharmacology with an emphasis on drug abuse. The successful candidate will be guaranteed three years of funding on a currently active NIDA RO1 grant and will direct a research program aimed at studying the interactions between nicotine and ethanol and nicotine and marijuana in human subjects. BPRL is a multidisciplinary program that houses a number of behavioral, physiological, EEG and natural setting laboratories. The program has strong ties to the Brain Imaging Center and enjoys many overlapping projects that explore the neurobiological bases of drug abuse and medication development.

Applicants must have an M.D. or Ph.D. degree and a publication record in peer-reviewed journals. The successful applicant will be eligible for academic appointment in the Department of Psychiatry, Harvard Medical School. Salary, recruitment package, and academic rank will be commensurate with qualifications and experience.

For additional information, contact Dr. Scott Lukas at 617-855-2767 or email Lukas@McLean.org. Applicants should forward CV and addresses/contact information of three reference to: Scott E. Lukas, Ph.D., Director, Behavioral Psychopharmacology Research Laboratory McLean Hospital 115 Mill Street, Belmont, MA 02478.

nature medicine

seeks a **News & Views Editor** to join its full-time editorial group in New York City.

This position offers an exciting and challenging opportunity to enter the world of scientific publishing while remaining at the forefront of research.

The News & Views Editor candidate will be required to have completed a PhD in any field of biomedical research, and have a sense of literacy, a lively and broad interest in science, excellent sub-editing skills and a personable and professional manner. The main responsibility will be to manage the journal's News & Views section, including the commissioning and editing of News & Views. The successful candidate will therefore be aware of the need to combine newsworthiness, exciting science and good writing. Working closely within a small group of editors, the Assistant Editor for News & Views will also contribute to other areas of the journal (including News, Commentaries, Book Reviews, Reviews and Special Projects), and will represent the journal at scientific meetings.

Please submit a curriculum vitae, a concise cover letter indicating for which position you are applying for and explaining your interest in the post, and a 600-word News & Views style article on an exciting and newsworthy recent development in any area of biomedical research to:

The Editor, *Nature Medicine*, 345 Park Avenue South, 10th Floor, New York, NY 10010-1707, Fax: (212) 683-5751 medicine@natureny.com

The deadline for application is 6 July 2001.

IN THE WORLD OF MEDICINE
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MOLECULAR BIOLOGY POSTDOCTORAL POSITIONS

PARKER HUGHES CANCER CENTER is seeking 10 postdoctoral fellows in the fields of Molecular Biology and Molecular Genetics. The overall goal of the Molecular Biology Department is the identification of important biological features of cancer and other diseased cells that may be used for developing novel therapies. The Department is equipped with state-of-the-art laboratory equipment including an Affymetrix Gene Chip system, automated sequencers, a Real Time PCR machine, thermocyclers, spectrophotometers, etc. There is also potential for collaborative interaction with molecular epidemiology, bioinformatics, structural biology, biochemistry, zebra fish embryology and biology departments.

All positions require a Ph.D. in Molecular Biology, Molecular Genetics, Microbiology or Biological Chemistry. Hands-on experience in Molecular Biology is expected, as well as documented research results in the form of scientific publications or other kinds of presentations. Experience with RNA isolation and expression is a plus, as are strong computational skills. Team-player attitude is anticipated.

Interested candidates should submit a cover letter, resume, and publication list to:

**Human Resources Department
Parker Hughes Cancer Center**

2665 Long Lake Road

Roseville, MN 55113

Fax: 651-697-1057

Email: HumanResources@ih.org

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Parker Hughes
CANCER CENTER

WE CREATE HOPE

Faculty Position Memorial Sloan-Kettering Cancer Center

Memorial Sloan-Kettering Cancer Center is seeking an innovative individual, for a tenure-track position at the Assistant or Associate Member level, with strong research accomplishments in synthetic, combinatorial and/or mechanistic organic chemistry who wishes to address problems of relevance to bioorganic chemistry and to cancer research. We have a joint graduate program with Cornell University Medical College and also participate in a new Tri-Institutional graduate training program in Chemical Biology with Cornell-Ithaca, Cornell-Medical College and Rockefeller University.

MSKCC offers a unique and exciting research environment with in-house groups in Immunology, Pharmacology, Molecular Biology, Genetics, Cell Biology, Cellular Biochemistry and Structural Biology. The presence of world-renowned clinical programs in cancer research, treatment and prevention offers additional opportunities for creative collaboration. MSKCC is well equipped with modern instrumentation.

Applicants must have a PhD degree in Chemistry. A dedication to problems at the interface of biology and chemistry is required. A strong postdoctoral experience is preferred.

Candidates should send by August 1, 2001 their curriculum vitae, research objectives and the names of three scientists who can evaluate their accomplishments and potential to: **Dr. Samuel Danishefsky, Molecular Pharmacology and Therapeutics Program, Memorial Sloan-Kettering Cancer Center, Box 106, 1275 York Avenue, New York, NY 10021. EOE/AA**



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UNIVERSITY**

*Faculty of Arts
& Sciences*

CENTER FOR IMAGING AND MESOSCALE STRUCTURES

Microscopist for Nanofabrication

The Harvard University Center for Imaging and Mesoscale Structures (CIMS) is looking for an experienced scientist in electron beam lithography to provide research support for synthesis and patterning of nanoscale structures.

The successful candidate will be primarily responsible for establishing operations of a new Raith 150 ultra high-resolution electron-beam lithography and scanning electron microscope system; but is expected to develop proficiency in the use of other electron microscopes, focused ion beam systems, and a variety of equipment used for patterning and analyzing semiconductor device structures and research samples. This position requires a thorough understanding of microscopy, experience maintaining microscopes and related equipment, and proficiency at computer controls and interfaces. The job also includes training and assisting students with their research. Familiarity with cleanroom operations and procedures is desirable. This position has significant opportunity for growth since CIMS will expand into a new building with a new cleanroom and additional fabrication/imaging facilities in the next few years.

Applicants should have a Master's or Ph.D. degree and two years' experience, or exceptional equivalent expertise. They should have good communication skills and the ability to work well with a growing technical staff, faculty and students. The position will report to the Director of CIMS.

Submit resumes to: **Harvard University, Resume Processing Center, Req. #10327, 11 Holyoke Street, Cambridge, MA 02138. To apply online visit: <http://www.harvard.edu>. Harvard is an Affirmative Action/Equal Employment Opportunity employer.**

To learn more about the Center for Imaging and Mesoscale Structures visit our website: www.cims.harvard.edu

POSITIONS OPEN

FACULTY POSITION, research track, available immediately to work with multidisciplinary DNA repair group. Applicant must have experience with protein purification, nucleic acid biochemistry, and standard cloning technologies. Send curriculum vitae and the names of three references to: **Dr. Susan S. Wallace**, Department of Microbiology and Molecular Genetics, The University of Vermont, Stafford Hall, 95 Carrigan Drive, Burlington, VT 05405-0084. E-mail: swallace@zoo.uvm.edu.

CARDIOVASCULAR BIOLOGIST University of Washington Department of Pathology

Applications are invited for a faculty position at the **ASSISTANT PROFESSOR** level in the Department of Pathology at the University of Washington. Associate Professor level will also be considered depending upon experience. We seek applicants who can develop excellent, independent research programs while collaborating with a multidisciplinary group of researchers in cardiac pathobiology as well as participate in departmental teaching efforts. Existing areas of research include myocardial infarction, infarct repair and regeneration, tissue engineering, atherosclerosis, and signal transduction. Particular interest will be shown in candidates with expertise in stem cell biology, cardiac development, and transgenic or knockout mouse models. Newly renovated laboratory space is available for the position, and an excellent start-up package will be offered. Applicants must have M.D. or Ph.D. degrees, two years of postdoctoral training, good publications, and be eligible for federal funding.

Applicants should forward their curriculum vitae, a brief statement outlining their research interests, and names of at least four references to: **Charles E. Murry, M.D., Ph.D.**, Department of Pathology, Room D514 HSB, Box 357470, University of Washington, Seattle, WA 98195. E-mail: murry@u.washington.edu.

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

RESEARCH ASSOCIATE AND RESEARCH AIDE POSITIONS. Qualifications: Ph.D. or M.S. (Associate) and M.S. or B.S. (Aide) in biological sciences, toxicology, or related discipline; experience in one or more of the following: basic biochemical/molecular techniques, RIA, histology, endocrinology, and/or fish field collection and identification. Salary: \$26,000 to \$28,000 (Associate) and \$23,000 to \$25,000 (Aide). Perform research on uptake/effects of chemicals on thyroid disruption, reproduction, and UV effects in fish and amphibians. Start date: August 1, 2001 (Aide), and October 1, 2001 (Associate). One-year appointment; probable renewal for one or more additional years. Contact: **Chris Theodorakis**; e-mail: chris.theodorakis@tiehh.ttu.edu; Telephone: 806-885-0252. Contact: Texas Tech University Personnel; Telephone: 806-742-3851 for application package (reference REQ#TL0515 for Aide and REQ#TL0514 for Associate).

CHAIR IN NMR STUDIES OF MATERIALS

Dalhousie University, Halifax, Nova Scotia, Canada, invites applications for a Tier I Canada Research Chair in NMR Studies of Materials. We seek a world leader in NMR investigations of materials to work with more than 50 faculty members with interests in materials research. The Canada Foundation for Innovation has recently approved funding for an \$8.6 million Materials Characterization Facility, including more than \$2 million for a new high-field, solid-state NMR, as part of the Atlantic Region Magnetic Resonance Centre at Dalhousie University. See complete application details at website: <http://www.chem.dal.ca/nmrcc>.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR OF FOOD SCIENCE

The Department of Nutrition and Food Sciences at Utah State University invites applications for a tenure-track faculty position in dairy technology at the Assistant or Associate Professor level. Utah State University is the lead institute for the Western Dairy Center and offers state-of-the-art laboratories for dairy processing and research. Applicants must have a Ph.D. in food science, chemistry, engineering, or related field from an accredited university; have demonstrated ability in dairy research with expertise in food flavors or engineering; and have excellent written and oral communication skills. The successful applicant will develop and maintain a dynamic, externally funded research program; supervise and train graduate students; teach an undergraduate course in dairy processing; develop a graduate-level course; and participate in other departmental teaching. Salary commensurate with expertise and training. Review of applicants will begin August 1, 2001, and continue until a suitable applicant has been found. Applicants should submit a statement of professional goals, current curriculum vitae, academic transcripts, the names of five references, and should arrange for three letters of reference to be sent to: **Dr. Marie K. Walsh, Search Committee Chair, Utah State University, Nutrition and Food Sciences, 8700 Old Main Hill, Logan, UT 84322-8700. Telephone: 435-797-2177; FAX: 435-797-2379; e-mail: mkwash@cc.usu.edu.** *USU is an Affirmative Action/Equal Opportunity Employer.*

RESEARCH ASSOCIATE Alcorn State University

Applications are invited for the position of Research Associate in the Department of Biological Sciences at Alcorn State University (located near historic Natchez and Vicksburg, Mississippi). The research project will center on interactions between the immune system and the neuroendocrine system, specifically the effect of various peptides derived from enkephalin on delayed-type hypersensitivity responses in the hairless guinea pig model developed in this laboratory and on various murine *in vitro* responses (cytokine production via ELISA and cytokine mRNA via PCR).

The successful candidate will have a Ph.D. in immunology or a related area and demonstrated expertise in tissue culture and cytokine research. PCR experience is a definite plus. The position, which is immediately available, will carry a yearly salary of \$30,000.

Interested applicants should send curriculum vitae and the names and addresses of three references to: **Robert C. Sizemore, Ph.D.**, Department of Biological Sciences, Alcorn State University, 1000 ASU Drive, Number 870, Alcorn State, MS 39096. E-mail: sizemore@lorman.alcorn.edu; FAX: 601-877-3989. *Alcorn State University is an Equal Opportunity Employer committed to the development of a diverse workforce.*

The Department of Biological Sciences is seeking applicants for a **POSTDOCTORAL APPOINTMENT** at the rank of Lecturer in biochemistry and genetics beginning in August 2001. Teaching responsibilities include undergraduate genetics, laboratory methods in biotechnology, and graduate class(es) in biochemistry. Opportunities for research in collaboration with faculty in the Department are available. The position is for one year and is renewable subject to availability of funds and satisfactory performance. A Ph.D. in biology, biochemistry, or a related discipline with an emphasis in biochemistry is required. Effective communications skills required. To apply, send a letter of application, curriculum vitae, and the names and addresses (include e-mail) of three references to: **Chair, Department of Biological Sciences, Old Dominion University, Norfolk, VA 23529-0266.** Review of applications will begin immediately and will continue until the position is filled. *Old Dominion University is an Equal Opportunity/Affirmative Action Institution and requires compliance with the Immigration Reform and Control Act of 1986.*

POSITIONS OPEN



RESEARCH SCIENTIST

The Immunology and Disease Resistance Laboratory, Livestock and Poultry Sciences Institute, Beltsville Agricultural Research Service, Agricultural Research Service (ARS), U.S. Department of Agriculture (USDA), Beltsville, Maryland, is seeking two permanent full-time Scientists to conduct research on dairy cattle immune responses to mastitic infections. Incumbent(s) will work within a broader program of bovine mucosal immunity and control of infectious organisms and is responsible for independently conducting research to characterize the bovine immune system and for developing means to use host immunity to control intramammary infections. Salary range (GS12-15) is \$53,156 to \$114,224 per annum and is commensurate with experience. *Candidates must be U.S. citizens.* These positions have specific education and experience requirements and factors that must be addressed. For a copy of the announcement, **Telephone: 301-504-1482; website: <http://www.ars.usda.gov/afm2/divisions/hrd/index.html>.** Announcement ARS-D1E-1371. *Applications must be postmarked by July 30, 2001. For information on the laboratory's research program, see website: <http://www.anri.barc.usda.gov/idrl>.* *USDA/ARS is an Equal Opportunity Provider and Employer.*

ASSISTANT PROFESSOR of entomology, tenure track, Penn State University. Research (80%) can include studies of interspecies interactions; interactions of agriculture with surrounding natural systems; and design of pest management systems suitable for a range of systems that incorporate biotechnology tools to more sustainable, organic approaches. May include development of predictive models for spatial/temporal dynamics within diversified production systems. Extension/resident education (20%) to complement existing programs by focusing on issues related to the influence of insect management practices on biodiversity and agroecosystem issues. Contribute to existing resident education courses (i.e., population dynamics, integrated pest management systems design, IPM, etc.). Ph.D. in entomology, ecology, or related field. Excellent communication, interpersonal, and leadership skills; use of modern extension and resident education methods. Submit letter; curriculum vitae; statements of research extension; resident education interests and goals; and names, addresses, and e-mail addresses of five professional references to: **Gary W. Felton, Head, Department of Entomology, Box S, Penn State University, 501 ASI Building, University Park, PA 16802. E-mail: gwf10@psu.edu.** Closing date: August 15, 2001. *Penn State is committed to Affirmative Action/Equal Opportunity and the diversity of its workplace.*

ASSOCIATE PROFESSOR OR PROFESSOR Department of Biomedical Sciences School of Medicine, Creighton University Omaha, Nebraska

Applications are invited for a tenure-track position. The appointee is expected to maintain a strong NIH-supported research program in the biomedical sciences and contribute to teaching in endocrinology and/or physiology. A competitive salary with full benefits and start-up funds will be provided depending on the strength of the research program. The research can be further supported by access to existing core facilities for molecular biology, advanced imaging, protein/peptide chemistry, and bioinformatics.

Applicants should send curriculum vitae, a description of research plans and teaching interests, and the names of three references to: **Richard F. Murphy, Ph.D., Chairman, Department of Biomedical Sciences, Creighton University School of Medicine, 2500 California Plaza, Omaha, NE 68178-0405. E-mail: barrym@creighton.edu.**

PARTNERSSM

NEW ACADEMIC DRUG DISCOVERY FACILITY-MULTIPLE LABORATORY POSITIONS

Partners HealthCare System, Inc. and its Program in Neurodegenerative Diseases at Harvard Medical School invite applications for multiple positions within our new drug discovery facility.

The Laboratory for Drug Discovery in Neurodegeneration, to be located in MIT University Park, Cambridge, MA, will serve the research communities of Massachusetts General, Brigham and Women's, and McLean Hospitals as well as work closely with basic science laboratories in Harvard Medical School. Combining new drug discovery technologies in assay development, high-throughput screening, and medicinal chemistry, this innovative academic laboratory will function as a unique model of drug discovery, highlighting Partners commitment to identify novel neurodegenerative disease targets and potential therapeutic agents.

HEAD OF ASSAY DEVELOPMENT AND HIGH-THROUGHPUT SCREENING GROUP

The responsibilities of this individual will include implementing and operating the screening laboratory, overseeing the work of the scientific staff, and collaborating with primary investigators to design and automate their assays for screening. The successful candidate will hold a Ph.D. in Chemistry/Biochemistry and have a minimum of 5 years of experience in all aspects of HTS including robotic screening and liquid handling systems, fluorescence-based detection systems, and data management. Demonstrated proficiency in the execution of screens of purified enzymes and receptors, as well as intact cells is required. Industry experience is a must.

ASSAY DEVELOPMENT AND SCREENING

Scientists in this group will have a BS or MS degree with specialization in all aspects of HTS of enzymes, receptors, and cells. These scientists will focus either on automation and robotic HTS or on assay development and mechanism. Ideal candidates will have demonstrated experience in assay design, automated liquid handling systems, fluorescence detection systems and data management. Industry experience preferred.

HEAD OF MEDICINAL CHEMISTRY

The responsibilities of this individual will include managing a team of medicinal chemists and formulating and implementing SAR strategies to drive drug discovery programs. The successful candidate will hold a Ph.D. in Chemistry and have a minimum of 5 years of experience in a pharmaceutical or biotech medicinal chemistry environment. Demonstrated success in several discovery programs is required.

Interested individuals should send curriculum vitae, statement of relevant background, and names of three references to:
**Michelle Boucher, Partners Human Resources 149-13th Street,
Building 149 East, 7th floor, Charlestown, MA 02129.**

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Biochemistry

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BIOCHEMISTRY POSTDOCTORAL POSITIONS

PARKER HUGHES CANCER CENTER is currently recruiting for:

Ten postdoctoral research positions to study the role of signal transduction pathways involved in the biology of cancer.

Projects include:

1. biochemical stimuli of cell cycle progression
2. regulation of signaling pathways in hematopoietic cells
3. roles of tyrosine kinases in cell cycle arrest
4. factors predisposing cells to proliferation or apoptosis
5. mechanism of apoptosis and regulation in hematopoietic

All positions require a Ph.D. in Biochemistry and/or cell biology and immunocytochemistry is essential. Hands-on experience is expected. Interested candidates should submit cover letter, resume and publication list to:

**Human Resources Department
Parker Hughes Cancer Center**

2665 Long Lake Road

Roseville, MN 55113

Fax: 651-697-1057

Email: HumanResources@ih.org

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Parker Hughes
CANCER CENTER

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POSITIONS OPEN

PROFESSOR AT HARVARD MEDICAL SCHOOL

Serve as Director of Chemical Biology Program
Dana-Farber Cancer Institute

Dana-Farber Cancer Institute and Harvard Medical School seek a **DIRECTOR** of the Program in Chemical Biology to be newly established at Dana-Farber Cancer Institute. The successful candidate, who will be appointed a **PROFESSOR** or **ASSOCIATE PROFESSOR** at Harvard Medical School, will have a unique opportunity to develop and implement a state-of-the-art, innovative academic program to develop small molecules targeted to validated molecular targets in cancer. These small molecules represent tool compounds that will enable chemical genetics to dissect cancer pathways. Lead compounds will enable development of novel therapeutics, diagnostics, and imaging agents in concert with the pharmaceutical industry. The typical candidate will have a Ph.D. in chemistry with expertise in the areas of synthetic or medicinal chemistry or experience with natural products or computational design. In addition to conducting a research program of distinction in this field, the candidate will be responsible for leadership in this arena including chemistry infrastructure, educational mission, and interface with cancer Biologists. Candidates should have a strong record of research and training accomplishments, an ability to provide leadership to the program, and the ability to work with other leaders in the area. Please send curriculum vitae to: Stanley J. Korsmeyer, Chair, Search Committee for Director of Chemical Biology Program, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115.

Dana-Farber Cancer Institute and Harvard Medical School are Equal Opportunity/Affirmative Action Employers. Women and minority candidates are particularly encouraged to apply.

FACULTY POSITION Department of Biochemistry and Molecular Biology Uniformed Services University of the Health Sciences

Applications are invited for a tenure-track faculty position at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level. This appointment is part of a continuing expansion of the Department. Candidates working in all areas of biochemistry, genetics, molecular biology, or cell biology will be considered. Applications are particularly encouraged from individuals using genetic and molecular approaches to study cell growth or differentiation, mechanisms of signal transduction, regulation of gene expression, protein structure/function, control of the cell cycle, and apoptosis. Excellent research facilities and start-up funds are available. Requirements include a Ph.D. or M.D. with postdoctoral experience and demonstrated research accomplishments. The successful candidate will be expected to establish a vigorous, externally funded research program and participate in the teaching of medical and graduate students. Candidates at the Associate Professor level should have current grant support. Applicants should submit curriculum vitae, description of research plans, selected publications, and names and addresses of three references to:

Ishaiah Shechter, Ph.D.
Professor and Chair
Department of Biochemistry and
Molecular Biology
USUHS
4301 Jones Bridge Road
Bethesda, MD 20814-4799

USUHS is an Equal Opportunity Employer.

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.

POSITIONS OPEN



ATHEROGENICS, INC.

AtheroGenics, Inc. is a biopharmaceutical company located in metropolitan Atlanta and engaged in the discovery and development of novel therapies for the treatment of chronic inflammatory diseases.

SCIENTIST/SENIOR SCIENTIST Molecular and Cellular Immunology

The Discovery Research group is seeking a highly motivated individual to join an interdisciplinary team where he/she will be responsible for establishing a research program for the identification and validation of novel therapeutic targets for chronic inflammatory diseases. Qualified candidates must possess a Ph.D. in cell/molecular biology, biochemistry, or a related field and have at least three to five years of postdoctoral training. In addition, the qualified candidate will have demonstrated research experience in cellular and molecular immunology and inflammation, preferably in a pharmaceutical or biotechnology drug discovery environment. Experience in immune cell biology, *in vitro* and cell-based assays, gene expression analysis, and signal transduction pathways is highly desirable. A strong capacity for self-motivation, excellent communication skills, and the ability to interact and collaborate successfully in a cooperative team environment are required. AtheroGenics offers an innovative and exciting scientific environment with competitive salaries and generous benefits package. To apply, FAX or send résumé to: AtheroGenics, Human Resources, Job Code CK-5, 8995 Westside Parkway, Alpharetta, GA 30004. FAX: 678-336-4359; website: <http://www.atherogenics.com>. No telephone calls, please. Equal Opportunity Employer.

LABORATORY DIRECTOR

Positions are available at the Guthrie Research Institute for creative, productive, and independent Scientists to establish research laboratories. We are particularly interested in candidates addressing significant questions in signal transduction at the molecular/cellular level. Positions are available at levels equivalent to the **ASSISTANT PROFESSOR** rank. The Guthrie Research Institute is a private, nonprofit organization associated with a large regional health care system. The Institute offers a dynamic, collegial, and productive research environment in the rural setting of the Endless Mountains of northern Pennsylvania. There are no teaching responsibilities. The Institute will provide a competitive salary, excellent facilities, and strong commitment to your success. Additional information regarding the Guthrie Research Institute may be obtained at website: <http://www.guthrie.org/research>.

Applicants with a Doctoral degree and doctoral experience should send a statement of research interests, curriculum vitae, and names of three references to the following address: Dr. John Noti, Guthrie Research Institute, One Guthrie Square, Sayre, PA 18840.

The Guthrie Research Institute is an Equal Opportunity Employer.

TULANE UNIVERSITY HEALTH SCIENCES CENTER Tulane Regional Primate Research Center Department of Parasitology

A **POSTDOCTORAL ASSOCIATE** is sought to join a multidisciplinary group working on the pathogenesis of Lyme disease. Background in molecular biology of prokaryotes or in immunology would be advantageous. Please send curriculum vitae and names of three references by August 15, 2001, to: Dr. Mario T. Philipp, Chairman, Department of Parasitology, Tulane Regional Primate Research Center, 18703 Three Rivers Road, Covington, LA 70433. E-mail: philipp@tpc.tulane.edu. Tulane University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

U.S. DEPARTMENT OF THE INTERIOR U.S. GEOLOGICAL SURVEY

The U.S. Department of the Interior, U.S. Geological Survey is accepting applications for the position of **CENTER DIRECTOR**, Patuxent Wildlife Research Center (PWRC), located in Laurel, Maryland. The PWRC conducts research studies of international scope on the effects of ecological processes and human impacts on biological resources and the restoration and maintenance of sustainable ecological systems. The Center Director is expected to (1) supervise Center staff and provide leadership and guidance to senior Scientists, field station leaders, administrative officers, and project leaders in planning, staffing, budgeting for, and coordinating the Center's multidisciplinary programs of biological research, inventory, and monitoring and information management; (2) promote and enhance the working relationship with the U.S. Fish and Wildlife Service Patuxent Wildlife Refuge managers and staff; (3) support and enhance multidisciplinary science integration of scientific activities and approaches within the Center, among other USGS Centers and Regions, and Departmental programs; and (4) serve as a member of the senior management team for the USGS Regional Biologist.

The salary range is \$87,864 to \$114,224 per year commensurate with experience. The qualification requirements for this position can be found in the full text vacancy announcement. Applicants must be U.S. citizens. For more information, contact: Dave Bornholdt; Telephone: 301-497-5508. To view the full text vacancy announcement or to apply for this position, visit the **USGS Online Automated Recruitment System (OARS)**; website: <http://www.usgs.gov/ohr/oars>. Applications must be submitted online by midnight Eastern time August 1, 2001.

U.S. Department of the Interior is an Equal Opportunity Provider and Employer. Women and minorities are encouraged to apply.

Biochemistry/molecular biology: Department of Dermatology, Humboldt University, Berlin. The Centre of Experimental and Applied Cutaneous Physiology (CCP) invites applications for a position as a **LABORATORY RESEARCH LEADER** for a duration of five years. The candidate should have a Ph.D. degree with significant postdoctoral experience. The Centre is embedded in the Department of Dermatology and has a high number of national and international collaborations. The successful applicant will join a group of Scientists with basic research in skin physiology and skin penetration as well as in signaling in human skin and the hair follicle. Duties will include a rigorous research program. Candidates with demonstrated experience in teaching and success in acquiring independent funding are especially encouraged to apply. The position will start on September 1, 2001. Applications including curriculum vitae, a statement of research interest, and publication list with three most important publications should be sent to: Centre of Experimental and Applied Cutaneous Physiology (CCP), Professor Dr. Blume-Peytavi, Department of Dermatology, University Medical Center Charité, Humboldt University of Berlin, Schumannstrasse 20-21, 10117 Berlin, Germany.

RESEARCH ASSISTANT PROFESSOR (Nontenure Track)

The Department of Pharmaceutical Sciences at the University of Maryland seeks a highly motivated individual with an interest in topoisomerase research. The successful candidate must have an M.D., Ph.D., or M.D./Ph.D.; significant postdoctoral experience; and a strong publication record in the areas of *in vitro* mutagenesis, protein expression and purification, and bacterial genetics. Previous experience in topoisomerase research is highly preferred. Send curriculum vitae, description of relevant work experience, and the names of three references to: Dr. Russell J. DiGate, Department of Pharmaceutical Sciences, University of Maryland School of Pharmacy, 20 North Pine Street, Baltimore, MD 21201. The University of Maryland is an Affirmative Action/Equal Opportunity Employer.

Aventis Pharma



The merger of the pharmaceutical companies Hoechst Marion Roussel and Rhône-Poulenc Rorer into the new global player Aventis Pharma is creating new opportunities within the pharmaceutical industry. Aventis Pharma combines an innovative pipeline with strong growth of new products in all of the world's major markets.

For our Infectious Disease Group at research facilities on the outskirts of Paris, we are now seeking a

Fungal molecular biologist

You will interrogate genome sequence data for the identification, validation and exploitation of novel targets to identify new antifungal compounds. You are a fungal molecular biologist (PhD or equivalent) and have:

- A proven track record in the creative application of scientific knowledge, experimental design, and scientific rigor in fungal molecular genetics and cell biology.
- An in-depth knowledge of fungal molecular biology including relevant computer applications.
- Demonstrable expertise in manipulation and engineering of pathogens.
- Ability to work productively both independently and in teams and to meet timelines.

- Experience in the productive supervision of technical staff and/or students.
- Advanced communication and presentation skills.
- A good command of the English language.
- Experience in the pharmaceutical industry would also be an advantage.

Please send cover letter and CV to:
AVENTIS PHARMA S.A.,
Centre de Recherche de Paris,
site de Romainville (93),
Direction des Ressources Humaines,
13 quai Jules-Guesde, 94403 Vitry-sur-Seine, France
or preferably by e-mail (MS Word)
claudine.maushart@aventis.com

www.aventis.com

FELLOWSHIPS

BERNARD B. LEVINE FELLOWSHIP IN MALARIA BIOLOGY AND IMMUNOLOGY

A post-doctoral fellowship is available immediately for studies of the biology of the pre-erythrocytic stages of malaria parasites. The ultimate goal is to identify new antigens that elicit cell-mediated effector mechanisms that destroy the liver stages of the parasite. The candidate must have a PhD or MD degree, a solid background in molecular biology, and a good record of publications in international journals. Individuals with additional training in immunology/cell biology are encouraged to apply. The appointment is for a minimum of two years. The salary is commensurate to experience up to \$40,000 a year.

Please send curriculum vitae and the names and addresses of three referees to:

Dr. Victor Nussenzweig
Department of Pathology
NYU School of Medicine
550 First Avenue
New York, NY 10016
E-mail: [nussev01@popmail.med.nyu.edu](mailto:nusse01@popmail.med.nyu.edu)



HEAD, KNOCK-OUT MOUSE CORE FACILITY



**National Institute of Environmental
Health Sciences
National Institutes of Health
Research Triangle Park, North Carolina**

The National Institute of Environmental Health Sciences, National Institutes of Health, in Research Triangle Park, North Carolina, is reopening the recruitment to fill the position of Head of the Transgenic Knockout Core Facility in the Division of Intramural Research. The successful applicant will be a Staff Scientist in the Laboratory of Reproductive and Developmental Toxicology and responsible for generating mutant mice using embryonic stem cells. Additional duties will include planning and providing scientific oversight in designing targeting vectors for the generation of knockout mice, and providing expertise in mouse genetics and embryology.

Minimum qualifications include a PhD, DVM or MD and knowledge of mouse molecular genetics or related topics. Priority will be given to individuals with postdoctoral training that includes appropriate demonstrated experience in the design of targeting vectors, screening of embryonic stem cells and mouse colony husbandry. For additional information concerning this position, contact Dr. Yuji Mishina at mishina@niehs.nih.gov or by fax at 919-541-3800. Applications from women and minorities are particularly encouraged. The initial appointment is for five years and is renewable every five years thereafter. Salary will be commensurate with level of knowledge and experience of the appointee. Evaluation of applicants will begin July 23 and will extend until August 28 or until the position is filled. Interested parties should submit curriculum vitae, bibliography, brief statement of research interests and arrange for the submission of three letters of recommendation to be sent to: Ms. Tammy Locklear (HNV 01-11) NIEHS Human Resource Management Branch, P.O. Box 12233, MailDrop EC-11, Research Triangle Park, NC 27709, 919-541-3317 e-mail: locklea1@niehs.nih.gov

NIEHS/NIH Is An Equal Opportunity Employer



POSITIONS OPEN

MICROARRAY CORE MANAGER

The Ernest Gallo Clinic and Research Center, a dynamic nonprofit research center affiliated with University of California San Francisco, has an immediate opening for a Microarray Core Manager. The successful candidate will be using state-of-the-art microarray technology to print, hybridize, and scan spotted arrays. Requires a B.S./B.A. or an M.S. in molecular biology, biochemistry, genetics, or a related field; working experience with standard DNA/RNA procedures; strong analytical/computational skills; detail-oriented; ability to work independently; and excellent interpersonal skills. Please e-mail résumé (specify position) to: hr@egcrc.net; FAX: 510-601-7943. We are an Equal Opportunity Employer/Affirmative Action Employer committed to workforce diversity.

PATHOLOGY FACULTY POSITION DEPARTMENT OF BASIC MEDICAL SCIENCE

California College of Podiatric Medicine

The Department of Basic Medical Sciences at the California College of Podiatric Medicine has an immediate need for Doctoral-level instruction in the area of pathology starting August 1, 2001. The position would be for one year (with possibility of extension). Flexible part-time or full-time arrangements possible. Excellent teaching skills are essential. Completed applications will be reviewed as soon as they are received until the position is filled. Applicants should provide a letter describing qualifications and interest, complete curriculum vitae, and the names of three references to: Sandra Piccini, Director of Human Resources, California College of Podiatric Medicine, 1210 Scott Street, San Francisco, CA 94115. CCPM is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW

Cardiovascular and Renal Physiology

POSTDOCTORAL FELLOWSHIP available to study the role of endothelial-derived vasoactive factors in the control of renal hemodynamics and excretory function and their involvement in the pathophysiology of hypertension. Candidates must have a Ph.D. and/or M.D. and should be self-motivated with strong background in integrative physiology experiments using animal models. Please send a cover letter, curriculum vitae including the names of three references, and a statement of research interests to: Dr. Dewan S. A. Majid, M.D., Ph.D., Associate Professor, Department of Physiology SL-39, Tulane University Health Sciences Center, 1430 Tulane Avenue, New Orleans, LA 70112 U.S.A. FAX: 504-584-2675; e-mail: majid@tulane.edu. Tulane University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL/JUNIOR FACULTY POSITION available to study virulence gene regulation and protein-DNA interaction in diarrheagenic *E. coli* pathotypes. Genetics and/or protein chemistry experience required. Outstanding research environment. Inquire: James Nataro, M.D., Ph.D., Center for Vaccine Development, University of Maryland School of Medicine, 685 West Baltimore Street, Baltimore, MD 21201. E-mail: jnataro@medicine.umaryland.edu. Equal Opportunity Employer/Affirmative Action.

POSTDOCTORAL RESEARCH POSITIONS to study HIV interactions with macrophages and chemokine receptor-mediated macrophage signal transduction. Strong background in molecular and cell biology, signal transduction, and/or retroviral biology is essential. Submit letter, curriculum vitae, and three references to: Dr. Ronald Collman, 522 Johnson Pavilion, University of Pennsylvania, Philadelphia, PA 19104-6061. FAX: 215-573-4446; e-mail: collmanr@mail.med.upenn.edu. Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN



BIOARRAY SOLUTIONS

VICE PRESIDENT OF RESEARCH AND DEVELOPMENT

BioArray Solutions (website: <http://www.BioArrayS.com>) is looking for a Vice President to lead a team of Molecular Biologists and Chemists in the application of the company's novel programmable bead array technology to DNA, protein, and cellular analysis.

The successful candidate will expand and direct the internal research and development organization, manage external collaborations, and contribute to strategic planning; he/she should combine demonstrated technical excellence with a proven track record of research and development management within molecular diagnostics or related area. Ph.D. or equivalent in the life sciences and minimum of 10 years of experience.

An attractive compensation package will include competitive salary, benefits, and options commensurate with background and experience. Send materials to e-mail: jobs@bioarrays.com or Telephone 732-457-8888.

POSTDOCTORAL OPPORTUNITY Virology and Insect Molecular Biology

A Postdoctoral position is open at the Arthropod-Borne and Infectious Diseases Laboratory. The successful candidate will conduct research in one of the following areas: (1) Investigate RNA interference in the mosquito vector, *Aedes aegypti*, for functional genomics analyses and antiviral activities. Experience in molecular virology and entomology is required. (2) Identify and characterize alphavirus and flavivirus molecular determinants of midgut and salivary gland infection in *Aedes aegypti*. Experience in molecular virology and manipulation of infectious cDNA clones required. Preference will be given to an individual with a strong background in vector biology. Requirements include a Ph.D. in virology, entomology, or related fields. Please forward curriculum vitae and three letters of reference to: Ken E. Olson, Ph.D., Associate Director, AIDL, 3107 Rampart Road, Foothills Research Campus, Colorado State University, Fort Collins, CO 80523. E-mail: kolson@cvmbs.colostate.edu. Application deadline is August 1, 2001, for full consideration of application. CSU is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION Harvard Institutes of Medicine

A Postdoctoral position at the Harvard Medical School is open immediately to conduct research in the area of signal transduction. The appropriate candidate would be involved in the functional characterization of novel kinases and phosphatases in hematopoietic and endothelial cells. Experience in molecular and cellular biology is essential for this project. Please e-mail curriculum vitae and three references to: xzhang@caregroup.harvard.edu or send to:

Jerome E. Groopman, M.D.
Chief, Division of Experimental Medicine
Beth Israel Deaconess Medical Center
Harvard Institutes of Medicine
4 Blackfan Circle, Suite 351
Boston, MA 02115

Two **POSTDOCTORAL POSITIONS** are available immediately to examine intracellular signals pertaining to platelet spreading or gene expression profiles by microarrays. Experience with either protein isolation and characterization or molecular biology is required. The laboratory is located in the state-of-the-art research center at the Cancer Institute of New Jersey. Send curriculum vitae and names of three references to: Dr. Beatrice Haimovich, CINJ, 195 Little Albany Street, Room 2050, New Brunswick, NJ 08903-2681. E-mail: haimovic@umdnj.edu.

POSITIONS OPEN

RESEARCH POSITIONS SPINAL CORD INJURY

Repair and Recovery

Nine **RESEARCH FACULTY** and **POSTDOCTORAL POSITIONS** available immediately to study repair using genetic techniques and cellular transplants (Itzhak Fischer, Alan Tessler, Marion Murray) and recovery (Simon Giszter, Ken Siman-sky, Karen Moxon, John Chapin, Michel Lemay) using pharmacological and physiological analyses. Highly collaborative environment encourages interactions among projects and with Clinicians. Research programs include gene discovery, gene transfer, CNS regeneration, neuroprotection, organization of spinal primitives and CPG after injury and repair, behavioral and multielectrode assessment of axotomized and regenerating pathways, and activity-dependent modification of function. See website: <http://neurobio.mcph.u.edu>. Programs funded by research and training grants from NIH, ISRT, CRPF, EPVA. Send curriculum vitae, statement of research interests, and names of three references to: Marion Murray, Department of Neurobiology, MCP Hahnemann University, 2900 Queen Lane, Philadelphia, PA 19129. E-mail: Marion.Murray@drexel.edu. Equal Opportunity Employer.

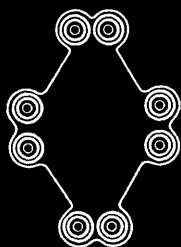
SENIOR SCIENTIST

Molecular Virologist (Ph.D. or M.D.) needed for new HIV/AIDS laboratory in the Evans Biomedical Research Center at Boston Medical Center. Will plan and conduct experiments on HIV regulation in the lung and HIV lipodystrophy in conjunction with Principal Investigator. Must be skilled in molecular and cellular techniques, self-motivated, a good communicator and writer, able to work independently, and able to manage and supervise other projects and technicians. We seek an independent thinker and hard worker who can critically review and report on current literature and who is not afraid to challenge ideas and bring new ones to the laboratory. Advancement to Associate Director of the Laboratory possible. Join a stimulating, collaborative academic research laboratory. Mail, e-mail, or FAX curriculum vitae to: Paul R. Skolnik, M.D., Director, Center for HIV/AIDS Care and Research, Boston Medical Center, Evans Biomedical Research Center, 650 Albany Street, Sixth Floor, Boston, MA 02118. E-mail: Paul.Skolnik@BMC.org; FAX: 617-414-5218. Equal Opportunity Employer.

ASSISTANT or ASSOCIATE RESEARCH SCIENTIST position available at The University of Michigan Health System, Department of Internal Medicine, to study molecular mechanisms of growth regulation and metastatic spread of human breast cancer in cell culture and xenograft systems. Skills in cellular and molecular biology are essential. Ability to work independently and communicate effectively is required. Experience with gene arrays desirable. U.S. citizens and resident aliens only. Send curriculum vitae and letters of reference to: Marc E. Lippman, M.D., John G. Searle Professor and Chair, Department of Internal Medicine, 3100A Taubman Center, The University of Michigan Health System, 1500 East Medical Center Drive, Ann Arbor, MI 48109-0368.

The University of Michigan 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 pharmaceuticals, 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, AVRC, 200 Corporate Boulevard, South, Yonkers, NY 10701. FAX: 914-376-7368.



Vision...Leadership

EXELIXIS

Exelixis, Inc. is a leader in the discovery of high-quality novel targets for several major human diseases and a leader in the discovery and development of new drug therapies specifically for cancer and other proliferative diseases. Our mission is to leverage our integrated discovery platform to increase the speed and the quality of pharmaceutical and agricultural product discovery and development.

GENETICS

Research Scientist

You will use *C. elegans* genetics to model human central nervous system disorders and identify molecular targets of therapeutically relevant pharmaceutical compounds. You should have broad biological interests and expertise in molecular biology and genetics. Experience with *C. elegans* neurobiology is a plus, but is not required. Requires an MS/PhD or equivalent and experience in a *C. elegans* lab setting. Expert genetic and molecular biology skills and excellent interpersonal and communication skills are essential. Job #: 01-99

Research Scientist/Senior Research Scientist

You will lead a project using *Drosophila* genetics to model human central nervous system disorders and identify molecular targets of therapeutically relevant pharmaceutical compounds. You should have broad biological interests and expertise in molecular biology and genetics. Experience with *Drosophila* behavioral genetics is a plus, but is not required. Requires a PhD or equivalent and 4 years in a *Drosophila* lab setting. Expert genetic, molecular biology, and communication skills are required. Job #: 01-100

We also have these positions available in the following fields:

MOLECULAR TARGET RESEARCH

• Assistant/Associate Research Scientist
• Research Scientist

GENOMICS TECHNOLOGY

• Assistant/Associate Research Scientist

CELL GENETICS

• Assistant/Associate Research Scientist
• Research Scientist

Exelixis offers highly competitive salaries and benefits, generous equity participation, and a stimulating, highly interactive research setting that recognizes and rewards achievement. Please send your resume/CV to Exelixis, Inc., HR Department; via fax 650-837-7226 or email to careers@exelixis.com. EOE

Please visit our website at

www.exelixis.com

to view additional exciting career opportunities and job descriptions.

POSITIONS OPEN

FACULTY POSITIONS EPITHELIAL PATHOBIOLOGY

Applications are invited for faculty positions to join a new multidisciplinary basic and translational research group focused on epithelial pathobiology being formed at the University of Cincinnati College of Medicine. Applicants must have a Ph.D. and/or M.D. degree and significant research training and experience. Successful candidates will be provided with outstanding laboratory facilities in a new, Frank Gehry-designed building ([website: http://vontz.uc.edu](http://vontz.uc.edu)) and a generous start-up package and will be expected to develop an independent, funded research program compatible with the research interests of other members of the group. These include signal transduction as it relates to epithelial injury and the role of cell adhesion molecules in epithelial cell polarization. Preference will be given to individuals who wish to apply state-of-the-art proteomic, genomic, or imaging techniques to important problems in epithelial biology, carcinogenesis, and injury. Primary appointment will be in the Department of Surgery with opportunities for joint appointment in basic science departments and membership in graduate training programs. Academic rank, tenure-track level, and salary are commensurate with credentials. The University of Cincinnati College of Medicine is a leading, internationally recognized academic medical center in the midst of significant expansion of fundamental research. Please send letters of application accompanied by curriculum vitae; research description; and the names and addresses of three references prior to October 1, 2001, to: **Karl S. Matlin, Ph.D., c/o Ms. Jan Spicer, Department of Surgery, University of Cincinnati College of Medicine, P.O. Box 670558, 231 Albert B. Sabin Way, Cincinnati, OH 45267-0558.** The University of Cincinnati is an Affirmative Action/Equal Opportunity Employer. Women and minorities are particularly encouraged to apply.

ASSISTANT PROFESSOR BIOLOGICAL CHEMISTRY Johns Hopkins University School of Medicine

The Department of Biological Chemistry at the Johns Hopkins University School of Medicine invites applications for a tenure-track position at the Assistant Professor level. The Department is seeking candidates with a commitment to excellence in research and teaching in biological chemistry. Applicants should submit curriculum vitae, list of publications including representative reprints, three letters of recommendation, and a summary of research plans to:

Dr. Peter C. Agre
Search Committee Chairperson
Department of Biological Chemistry
The Johns Hopkins University
School of Medicine
725 North Wolfe Street
Baltimore, MD 21205

To ensure full consideration, applications should be received by July 31, 2001. *Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL FELLOW (S) DEPARTMENT OF CHEMISTRY

Kent State University is seeking two Postdoctoral Fellows to study the molecular mechanism of the regulation of protein synthesis initiation at the level of posttranslational modifications. Qualifications: Ph.D. in biochemistry or molecular biology required. Review of applicants will begin June 25, 2001, and continue until the positions are filled. To apply, please submit letter of application, résumé, and three letters of reference to: **Dr. Bansidhar Datta, Department of Chemistry, Kent State University, P.O. Box 5190, Kent, OH 44242-0001.** E-mail: bdatta@kent.edu. *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN



FACULTY POSITIONS BEHAVIORAL NEUROBIOLOGY/ PHARMACOLOGY

Two **TENURE-TRACK FACULTY POSITIONS** (open rank; 12-month appointment) are available for Behavioral Neurobiologists/Pharmacologists at the University of Tennessee Health Science Center (UTHSC). UTHSC is expanding in selected areas of neurobiology, genomics, and bioinformatics. We seek faculty members who will be major contributors to our recently funded U. T. Center for Neurobiology of Brain Diseases. Candidates should be enthusiastic about engaging in collaborative research within a highly interactive community of Neuroscientists. To this end, the candidates will be responsible for establishing and operating a core behavioral neurobiology laboratory and directing independent programs in areas of research relevant to ongoing programs in drug abuse and psychopharmacology. Applicants should have a Doctorate in pharmacology, neuroscience, experimental psychology, or a related discipline; relevant postdoctoral experience; and a strong, extramurally funded research program. Please send curriculum vitae and three letters of reference to: **James M. O'Donnell, Ph.D., Chairman of the Behavioral Neuroscience Search Committee, University of Tennessee Health Science Center, 874 Union Avenue, Memphis, TN.** Applications will be reviewed beginning July 31, 2001, but will continue to be accepted until the position is filled. *The University of Tennessee is an Equal Opportunity/Affirmative Action/Title VI/Title IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Employer.*

POSTDOCTORAL and RESEARCH ASSOCIATE (B.S./M.S.) POSITIONS to participate in NIH-funded projects studying the molecular mechanisms of AIDS pathogenesis using simian immunodeficiency virus animal model. Areas of interest include the functions of the viral env and nef genes in the context of the virus life cycles in the target cells and host. Please submit curriculum vitae and a list of references to: **Toshiaki Kodama, Ph.D., Department of Molecular Genetics and Biochemistry, W1253 Biomedical Science Tower, University of Pittsburgh, 200 Lothrop Street, Pittsburgh, PA 15261.** E-mail: toshik@pitt.edu. *Affirmative Action/Equal Opportunity Employer.*

The University of Texas at Brownsville/Texas Southmost College seeks an **ASSISTANT PROFESSOR** to investigate basal forebrain pathophysiology in an established laboratory. Position involves some teaching responsibilities. This is a full-time, tenure-track position offered for fall 2001. Requirements: Ph.D. in a biology-related field. Expertise required in electrophysiology, tissue culture, and immunohistochemistry. Experience in molecular biology desirable. For more information, contact: **Dr. Luis V. Colom;** e-mail: lcolom@utb1.utb.edu. For application procedures, see [website: http://www.utb.edu](http://www.utb.edu).

POSTDOCTORAL POSITIONS

Two Postdoctoral positions are available in the Department of Psychiatry to study changes in gene expression in the brain as a function of the clinical progression of Alzheimer's disease dementia. Candidates must have demonstrated knowledge in basic molecular biological techniques. Send curriculum vitae to: **Giulio Maria Pasinetti, M.D., Ph.D., Director, Neuroinflammation Research Center, Department of Psychiatry, Box 1230, The Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, NY 10029.** E-mail: gp2@doc.mssm.edu.

POSITIONS OPEN

PLANT GENETICIST/ PLANT PATHOLOGIST

U.S. Department of Agriculture; Research Education, and Extension; Agricultural Research Service Northern Plains Area; Plant Science and Entomology Research Unit of the Grain Marketing and Production Research Center at Manhattan, Kansas, seeks a permanent, full-time Scientist with demonstrated expertise in plant genetics or plant pathology to serve as **RESEARCH LEADER.** The incumbent will be responsible for all aspects of the Unit management including research on genetic improvement/disease/insect pest biology of wheat and alfalfa and interaction with USDA administrators and cooperators in universities and industry. The incumbent will maintain a research program in his/her area of specialty. *U.S. citizenship and a Ph.D. or equivalent is required.* Salary commensurate with experience (\$72,969 to \$111,582). Comprehensive benefits package including paid sick and annual leave, life and health insurance, and a savings and investment plan (401 [K]-type) are available in addition to the federal retirement plan. For information on the research program and/or position, contact: **Dr. Donald F. Koeltzow;** Telephone: 785-776-2701; e-mail: dek@gmpc.ksu.edu. Applications must be postmarked by October 1, 2001. *USDA/ARS is an Equal Opportunity Employer.*

RESEARCH FELLOWSHIP

A **POSTDOCTORAL RESEARCH POSITION** is available immediately in the laboratory of Pediatric Tumor Biology at the National Cancer Institute. The focus of the Laboratory is the investigation of apoptosis signaling pathways in solid pediatric tumors. Candidates should have a Ph.D. in molecular biology, cell biology, or related discipline or an M.D. with postdoctoral research experience in molecular/cell biology. Demonstrated ability to prepare and present data in the form of publications is also required. The position is located on the NIH campus in Bethesda, Maryland. Interested candidates should submit curriculum vitae and arrange to have letters from three references sent or FAXED to:

Maria Tsokos, M.D.
Laboratory of Pathology
NIH, Building 10, Room 2A-10
Bethesda, MD 20892
Telephone: 301-496-3159
FAX: 301-480-9197
E-mail: mtsokos@mail.nih.gov

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FLOW CYTOMETRIST

Cell-sorting expert wanted to operate new FACS Vantage SE as part of our core Flow Cytometry facility ([website: http://flowcytometry.uchc.edu](http://flowcytometry.uchc.edu)). In addition to sorting and developing new sorting capabilities, duties will include assisting the facility manager in operation and maintenance of our other cytometers: BD LSR, 2 FACSCaliburs, FACS Star Plus, and FACScan. Salary commensurate with experience and includes an excellent benefits package. Send résumé to: **Joan Moran, University of Connecticut Health Center, Human Resources, P.O. Box 4035, Farmington, CT 06034-4035.** Refer to Search Number 2001-1169. E-mail: JOBS@adp.uchc.edu. *UCHC is an Equal Opportunity Employer; Minorities/Females/Veterans/People With Disabilities.*

POSTDOCTORAL POSITIONS AVAILABLE IMMEDIATELY

Seeking Postdoctoral Fellows or junior faculty candidates to join a dynamic research team engaged in studying the role of dendritic cells in HIV infection and active/passive immunoprophylaxis to prevent mother-infant transmission of HIV. Experience in virology and/or cellular immunology is highly desirable. The positions involve a joint appointment at Harvard Medical School and Dana-Farber Cancer Institute. Send curriculum vitae and names of three references to: **Dr. Ruth Ruprecht, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115 U.S.A.** E-mail: ruth_ruprecht@dfci.harvard.edu; FAX: 617-632-3112.

**Chief of a Newly Created
"Laboratory of Biological Modeling"**

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH) invites applications for a tenured position as Chief of the newly created Laboratory of Biological Modeling (LBM). LBM will contain a number of scientists who use computational approaches to understand biological systems. Specific areas of research interest will include: bioinformatics; molecular biophysics; and mathematical simulation. Priority will be given to applicants equivalent to a university full professor. The applicant must have a proven record of accomplishments. He/she will be expected to formulate a plan for and provide administrative leadership for LBM and to propose and pursue an independent research program in one of these fields. The position offers unparalleled opportunities for the interdisciplinary collaboration within NIDDK and throughout NIH.

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

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

NIH is an Equal Opportunity Employer



**POSTDOCTORAL
POSITIONS**

**National Institutes
of Health
Bethesda, Maryland**

The focus of the Section of Biological Chemistry, National Institute of Diabetes and Digestive and Kidney Diseases is to investigate the roles played by O-linked glycoproteins during development (See <http://www.niddk.nih.gov/intram/people/ltabak.htm> for more detail). Projects will involve construction and/or analysis of transgenic and knockout mice using genomic and proteomic approaches.

Applicants must have a Ph.D., M.D., or D.D.S./D.M.D. degree with a strong background in molecular biology, analytical protein chemistry or mouse developmental biology. Familiarity with bioinformatic methods is also desirable. Salary is commensurate with experience.

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

Dr. Lawrence A. Tabak
31 Center Drive MSC 2290
Building 31, Room 2C39
Bethesda, MD 20892-2290

E-mail: Lawrence.Tabak@nih.gov

NIH is an Equal Opportunity Employer

AniGenics Inc.

An Animal Genomics Company

AniGenics Inc. is a leading genomics company developing proprietary genetic and bioinformatic products and platforms for the food and companion animal industries. We are looking for enthusiastic, dedicated individuals to join our research team.

Director of Bioinformatics

This senior position is responsible for all data management systems involved in the identification and validation of genetic markers and genes influencing production and health traits of domesticated animals. Requirements: in-depth knowledge of bioinformatic tools and demonstrated ability to build user-friendly software analysis tools for data analysis; Ph.D. and 5+ years experience in Java, C/C++, object-oriented design, relational databases, or Perl.

Computational Biologist

To design internal databases by assimilating public domain and proprietary data related to quantitative trait loci, SNP and gene discovery. Requirements: M.S./Ph.D. with relevant experience and publications.

Data System Integrator

To provide IT support for data management, including reliable transfer methods, process queuing, central databases, automated data checking and auditing. Requirements: B.S./M.S. in science or engineering discipline, troubleshooting skills and experience with Unix, NT, networks, and programming in Perl and C++.

Director of Quantitative and Applied Genomics

This senior position provides the primary interface between genomics and quantitative genetics to our industry partners and to research collaborators in academia and government. Requirements: Ph.D. degree and a strong research record in at least one major animal species; demonstrated expertise in the use of mixed-model methodology to estimate genetic parameters. Experience investigating new or different quantitative approaches to using molecular genetic information in genetic evaluation is desired.

Project Manager

To provide technical project management skills for coordination of external research collaborations and internal research, including project schedules, databases, correspondence and scientific evaluation. Requirements: Ph.D. in biological sciences with 3+ years experience in project/product management.

**Senior Scientists and Associate/
Assistant Scientists**

Multiple positions available for Senior Scientists/Scientists (Ph.D./equivalent) and Associate/Assistant Scientists (B.S./M.S.) to participate in our research programs. Requirements: expertise in genetic analysis, SNP discovery and analysis, mRNA analysis and cDNA library construction, or high throughput sequence analysis.

In addition to competitive salary and benefits, we offer an attractive stock option program and the opportunity to enjoy the life-style benefits of Chicago. E-mail your resume and research summary to info@anigenics.com or fax to (312) 455-0723. Please refer to this advertisement with all correspondence. AniGenics is an equal opportunity employer and seeks a diverse work force.

**YOU DON'T
HAVE TO SPIT
AN ATOM TO
FIND A JOB.**

That's what you do
for a paycheck.

**Science @
CAREERS**

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at Birmingham
Schools of Medicine and Dentistry**

Tenure track junior faculty positions and tenured senior faculty positions are available for investigators focused on modern areas of biochemistry and molecular genetics. Individuals interested in functional genomics, proteomics, stem cell differentiation, chromosome remodeling, and gene regulation in humans and in model organisms are encouraged to apply. Biochemists and structural biologists interested in protein-nucleic acid interactions are also encouraged to apply. Nationally competitive salaries, start-up packages and space allocations will be offered to successful candidates. UAB is a highly interactive environment with strong basic and clinical sciences. Birmingham is a beautiful and affordable city with many cultural attractions. Applicants should send a C.V., a summary of research interests and the names of three references to:

Dr. Tim M. Townes
Chairman, Department of Biochemistry and Molecular Genetics
University of Alabama at Birmingham
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720 20th St. S.
Birmingham, AL 35294-0024
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MOLECULAR AND DEVELOPMENTAL BIOLOGY OF PROSTATE CANCER

POSTDOCTORAL/SENIOR POSTDOCTORAL or RESEARCH ASSISTANT PROFESSOR position. An outstanding opportunity for a talented junior Scientist to investigate cellular and molecular aspects of prostate gland development and prostate cancer. A rich scientific environment with expertise in molecular endocrinology and the dissection of signaling pathways controlling cell proliferation and differentiation exists within the Kansas Cancer Institute at the University of Kansas Medical Center. Experimental approaches available include *in vitro*, DNA microarray, transgenic, and gene targeting. Excellent resources are available to develop rodent models and to access an extensive repository of human prostate cancer specimens. Applicants should possess a Ph.D. and/or M.D. degree and experience in prostate research. Complementary expertise in molecular biology, cell biology, biochemistry, or a related area is essential. Appointment will be with the Departments of Molecular and Integrative Physiology and Urology at Postdoctoral/Senior Postdoctoral or Research Assistant Professor level depending upon previous training and accomplishments. Outstanding opportunities for career advancement and development of an independent research program exist within the Prostate Cancer Center at the University of Kansas Medical Center. Competitive salaries will be negotiable and dependent upon experience. Application review begins immediately and will continue until the position is filled. Please send curriculum vitae, a letter outlining research experience and career goals, and names and addresses of three references to: **Dr. Walter G. Imagawa or Dr. Michael J. Soares, Department of Molecular and Integrative Physiology, University of Kansas Medical Center, 3901 Rainbow Boulevard, Kansas City, KS 66160. E-mail: wimagawa@kumc.edu or msoares@kumc.edu.** The University of Kansas Medical Center is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS are now available in a University of California San Francisco-affiliated neuroscience laboratory to study cell death mechanisms in ischemia and neurodegenerative diseases. Current projects employ whole animal and cell culture approaches to study (1) downstream mechanisms of PARP-mediated neural cell death and (2) protein aggregation and the unfolded protein response in delayed neuronal death. Competitive salary and benefits. Send curriculum vitae and names of three references to: **Dr. Raymond A. Swanson, (127) Neurology VAMC, 4150 Clement Street, San Francisco, CA 94121. E-mail: ray@itsa.ucsf.edu.** An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

Positions available to study the biomedical and molecular aspects of cell-cell and cell-matrix interactions and signal transduction in leukocytes. Projects will include identification and characterization of genes responsible for a novel leukocyte deficiency. A strong background in molecular biology and intracellular signaling is a plus. To apply, send curriculum vitae and three references to: **Holland Laboratory, American Red Cross, Attention: HR/HL-026, 15601 Crabbs Branch Way, Rockville, MD 20855. E-mail: MonicaH@usa.redcross.org.** Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.

POSTDOCTORAL POSITIONS are available in a new multidisciplinary basic and translational research group focused on epithelial pathobiology to investigate the regulation of epithelial cell polarization, transport, and membrane trafficking. Candidates should send a letter of application, curriculum vitae, and three confidential references to: **Karl S. Matlin, Ph.D., c/o Ms. Jan Spicer, University of Cincinnati College of Medicine, P.O. Box 670558, 231 Albert B. Sabin Way, Cincinnati, OH 45267-0558.** The University of Cincinnati is an Affirmative Action/Equal Opportunity Employer. Women and minorities are particularly encouraged to apply.

POSITIONS OPEN

POSTDOCTORAL ASSOCIATE (up to three positions). National Center for Ecological Analysis and Synthesis (NCEAS)/University of California, Santa Barbara. Participate in research and educational components of a multiinstitution NSF grant: "A Knowledge Network for Biocomplexity." Collaborating institutions include Long-Term Ecological Research Program Network Office (LTER), San Diego Supercomputer Center, and Texas Tech University (TTU). Proposal and position description at **website: <http://www.ecoinformatics.org>.** We seek collaborative Scientists with at least two of the following: (1) demonstrated interest in scale-dependence in the relationship between biodiversity and ecosystem function; (2) advanced skills in statistics and experimental design; and (3) demonstrated expertise in database management and informatics. Each Associate will be involved with one or more of the following: (1) modeling and empirical research on scale-dependence in the relationship between biodiversity and ecosystem function; (2) synthesizing existing data on the relationship between diversity and productivity; (3) coordinating a multicampus graduate course on biocomplexity and ecoinformatics; (4) training graduate students and faculty in new techniques for distributed access, management, and manipulation of environmental data; or (5) developing and supporting a working group at NCEAS. Excellent interpersonal skills and Ph.D. in ecology or bioinformatics desired as is postdoctoral experience in database management and development or experience with large collaborative research projects in ecology. Initial funding for one year with possible extension for second year. Work locations (one Associate each) at NCEAS, the University of New Mexico LTER Network Office, and TTU. Screening of applications begins immediately and proceeds until positions are filled. To apply, send letter of application, statement describing qualifications and relevant research experience, and curriculum vitae via e-mail (strongly preferred) to: **postapp@nceas.ucsb.edu** or by mail to: **Dr. Sandy Andelman, NCEAS, 735 State Street, Suite 300, Santa Barbara, CA 93101-5504.** Three letters of recommendation (e-mail preferred) are required. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL RESEARCH ASSOCIATE

A Postdoctoral Research Associate position is available immediately to assist with an NIH-funded research grant studying intracellular signaling mechanisms responsible for gonadotropin and growth factor regulation of ovarian follicular development (differentiation, cellular proliferation, and apoptosis). Significant experience is required in techniques related to cellular and molecular endocrinology. Candidates will use gene transfer approaches to examine the role of protein and lipid kinases in the regulation of gene expression and cell death. The position requires that the person be able to work independently and prepare reports for publication. Candidates should send letter of interest, future goals, and curriculum vitae to: **John S. Davis, Ph.D., Director of Research and Development, Olson Center for Women's Health, Department of Obstetrics and Gynecology, 983255 Nebraska Medical Center, Omaha, NE 68198-3255. FAX: 402-559-5015.**

A **POSTDOCTORAL POSITION** in the field of macromolecule crystallography is available to study protein RNA interactions in RNA processing. There are three ongoing projects to understand mechanisms for (1) an RNA helicase, (2) an RNA modification complex, and (3) a RNA splicing endonuclease. X-ray crystallography is the primary tool used in these studies. Other biochemical and biophysical techniques are also employed. Interested candidates should send recent curriculum vitae including a list of publications and three names of references to:

**Dr. Hong Li
Institute of Molecular Biophysics
Florida State University
Tallahassee, FL 32306
E-mail: hongli@sb.fsu.edu**

POSITIONS OPEN

POSTDOCTORAL POSITION Endocrine Unit Massachusetts General Hospital Harvard University

Immediately available: NIH-funded position for Ph.D. to study molecular and cellular biology of parathyroid hormone (PTH) action in osteoblasts and preosteoblastic marrow stromal cells. PTH recently was introduced as a powerful therapeutic for osteoporosis but its mechanism of action is poorly understood. Our work focuses on the individual roles of multiple signals generated by PTH/PTHrP receptors in regulating gene expression, differentiation, and distal biologic function in bone cells involved in formation versus resorption of bone. Receptor and ligand mutagenesis are combined with use of conditionally transformed clonal bone and marrow cell lines from PTH/PTHrP receptor knockout mice to discern roles of specific signaling events in triggering key cellular responses to PTH. Experience with mammalian cell transfection and culture, single-cell fluorescence, radioimmunoassay, cDNA cloning, Northern and Western blotting, RT-PCR, *in situ* hybridization, microarray analysis, and reporter gene regulation desirable but not required. Send curriculum vitae, brief statement of research interests, and names of three references to:

**Dr. F. Richard Bringhurst
Endocrine Unit
Massachusetts General Hospital
Boston, MA 02114
E-mail: rbringhurst@partners.org**

POSTDOCTORAL POSITION available in brain tumor research to help in an NIH-funded project to develop a gene therapy that will target and destroy hypoxic tumor cells. The successful candidate should have a Ph.D. and/or M.D. degree, a strong background in molecular biology, a general knowledge of cancer, and an appreciation for translational cancer research. Experience with small animal research and viral vectors is desirable but not necessary. Please send or e-mail your curriculum vitae and three current letters of recommendation to: **Dennis F. Deen, Ph.D., Associate Director, Brain Tumor Research Center, University of California, San Francisco, CA 94143-0520. E-mail: ddeen@itsa.ucsf.edu.** 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.*

POSTDOCTORAL and RESEARCH ASSISTANT positions: Study structure and function of pharmacologically important membrane proteins (phospholipase A₂, Ca²⁺-ATPase, cell adhesion molecules) using innovative molecular biological, biochemical, and biophysical techniques. One position requires experience in protein expression and engineering, preferably including expressed protein ligation. Other positions require interest in the biochemistry of membrane proteins and involve measurements of protein structure and dynamics using single-molecule fluorescence, FTIR, circular dichroism, and/or NMR spectroscopy. Send cover letter, curriculum vitae, and three references to: **Suren A. Tatulian, Ph.D., Department of Molecular Biosciences, University of Kansas, 5055 Haworth Hall, Lawrence, KS 66045-7534. E-mail: suren@ukans.edu.** Equal Opportunity/Affirmative Action.

POSTDOCTORAL POSITION

Seeking candidates interested in the study of lung carcinogenesis with the application of molecular genetics to the diagnosis and treatment of patients with lung cancer. Ph.D. in molecular genetic-related discipline required. Desired skills include gene cloning and mutational analysis. Please forward curriculum vitae to: **Charles A. Powell, M.D., Columbia University, College of Physicians and Surgeons, 620 West 168th Street, Box 91, New York, NY 10032.**

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POSITIONS OPEN

A POSTDOCTORAL RESEARCH ASSOCIATE position is available immediately to study signal transduction in olfactory axon projection and olfactory map development in *Drosophila*. Several lines of research are open. (1) Genetic screens will be carried out to identify new genes involved in olfactory axon guidance and targeting. (2) New GFP-based cellular labels will be developed to visualize olfactory axons in live animals. (3) Structure-function analyses of signaling proteins will be performed to probe their mechanisms of actions. More details at website: <http://www.life.uiuc.edu/csb/faculty/hing.html>. Projects require knowledge of genetics, molecular biology, and basic protein biochemistry. Please e-mail or send curriculum vitae and names/addresses of three references to: **Huey Hing, Ph.D., Assistant Professor, University of Illinois at Urbana-Champaign, 601 South Goodwin Avenue, Urbana, IL 61801. E-mail: hing@life.uiuc.edu.**

POSTDOCTORAL POSITION available to study thermodynamics, kinetics, and structure of protein nucleic acid interactions in solution, particularly DNA polymerases and helicases. Experience in enzyme kinetics, physical biochemistry, and fluorescence spectroscopy preferred. Laboratory is equipped with state-of-the-art steady-state, lifetime, stopped-flow spectrofluorimeters and rapid quench-flow instruments. Competitive salary. Interested qualified individuals send current curriculum vitae and three reference letters to: **Dr. W. M. Bujalowski, Department of Human Biological Chemistry and Genetics, The University of Texas Medical Branch at Galveston, Galveston, TX 77555-1053. UTMB is an Equal Employment Opportunity/Affirmative Action Employer; Minorities/Females/Veterans/Disabilities. UTMB hires only individuals authorized to work in the United States.**

University of Washington POSTDOCTORAL POSITION available in molecular oncology to study function and regulation of two tumor suppressor genes, TSC1 and 2. Candidates should have strong background in molecular, cell biology, and/or biochemistry. A Ph.D. in life sciences is required but with no more than three years of postdoctoral experience. Send curriculum vitae and names of references to: **Dr. Raymond Yeung, Department of Surgery, University of Washington School of Medicine, 1959 N.E. Pacific Street, Box 356410, Seattle, WA 98195.**

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POSTDOCTORAL POSITION

Outstanding individuals skilled in molecular cloning are encouraged to apply for a Postdoctoral Position in a dynamic interdisciplinary team developing novel mouse models of human neoplasia.

Please send your curriculum vitae, two representative publications, and names of three references to:

Dr. Alexander Nikitin
Department of Biomedical Sciences, T2 007 VRT
Cornell University, Campus Road
Ithaca, NY 14853
E-mail: an58@cornell.edu

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POSTDOCTORAL FELLOWSHIPS University of California Los Angeles

Several positions available to study the mechanism, genetic control, and inducibility by carcinogens of genetic instability in yeast and in transgenic mice. Please send curriculum vitae and names and addresses of three references to:

Robert H. Schiestl
Professor of Pathology and
Environmental Health at UCLA
E-mail: rschiestl@mednet.ucla.edu
Website:
<http://www.ph.ucla.edu/moltox/Schiestl.htm>

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE/ASSOCIATE RESEARCH SCIENTIST Human Genetics and Genomics

The laboratory utilizes sequencing and other molecular approaches in tackling assorted collaborative projects in such areas as cancer genetics, microbial virulence, and cardiac disease. The successful candidate will spearhead a large-scale project to either identify gene variants associated with human disease or to lead the sequencing of a prokaryotic or model organism. We are in particular looking for someone with strong managerial skills to supervise a large team of Investigators and to ensure a smooth high-throughput sequencing operation. Required: at least two years of postdoctoral experience and basic computer skills. Must have molecular biology and ideally genomics (including sequencing) experience. Please send curriculum vitae and three letters of recommendation to:

Dr. James Russo
Columbia Genome Center
Columbia University
RBP 406AA
1150 St. Nicholas Avenue
New York, NY 10032
E-mail: jjr4@columbia.edu

RESEARCH ASSOCIATE/POSTDOCTORAL POSITION available immediately for an Enzymologist/Molecular Biologist with a Ph.D. in biochemistry or chemistry to study the molecular basis of binding between membrane proteins. The relative role of the hydrophilic and hydrophobic domains in the complex formation between membrane-bound, redox-active, drug-metabolizing enzymes will be investigated. Salary commensurate with experience. Send résumé to: **Dr. L. Waskell, University of Michigan, Research Service 11R, 2215 Fuller Road, Ann Arbor, MI 48105. E-mail: waskell@umich.edu**

POSTDOCTORAL POSITIONS available immediately to study the functions of the breast cancer protein BRCA1 and its related proteins in large-scale chromatin unfolding, transcriptional regulation, and suppression of breast and ovarian cancers. Highly motivated individuals with experience in molecular biology and biochemistry are encouraged to apply. Send curriculum vitae and the names of three references to: **Rong Li, Ph.D., Department of Biochemistry and Molecular Genetics, Health Sciences Center, University of Virginia, Charlottesville, VA 22908. E-mail: rl2t@virginia.edu**

Two POSTDOCTORAL POSITIONS to study the role of angiotensinogen gene in hypertension. Experience in cell culture, molecular biology, genomic analysis, and transgenic animals desirable. Send curriculum vitae to: **Dr. Ashok Kumar, Department of Pathology, New York Medical College, Valhalla, NY 10595. E-mail: ashok_kumar@nymc.edu**

POSTDOCTORAL POSITION available in the area of lentiviral vaccine research. Molecular virology/immunology experience is preferred. Please send curriculum vitae and the names of three references to: **Dr. Minnie McMillan, USC/Norris Comprehensive Cancer Center, 1441 Eastlake Avenue, Room 6340, Los Angeles, CA 90033. E-mail: weisbuch@hsc.usc.edu**. Equal Opportunity/Affirmative Action Employer. Must be authorized to work in the United States.

POSTDOCTORAL POSITION available immediately in bacterial gene expression and pathogenesis to study regulation of toxin genes in *Clostridium difficile*. Prior experience in microbial genetics or biochemistry required (zero to three years beyond the Ph.D.). Send curriculum vitae and names of three references to: **Dr. A. L. Sonenshein, Tufts University School of Medicine, 136 Harrison Avenue, Boston, MA 02111. E-mail: linc.sonenshein@tufts.edu**

POSITIONS OPEN

POSTDOCTORAL POSITIONS are available immediately to study the cellular and molecular regulation of ciliary beating and mucus secretion. Specific techniques used include quantitative microscopy of live cells, culture of highly differentiated airway epithelial cells, biochemistry, and molecular biology. Research activities are briefly described at websites: <http://pulmonary.med.miami.edu/research/salathe.html> or <http://129.171.128.167/web/conner.html>. Send letter of interest, curriculum vitae, and names of references by e-mail to: msalathe@miami.edu or gconner@miami.edu. The University of Miami is an Equal Opportunity Employer.

POSTDOCTORAL POSITION MOLECULAR NEUROPHARMACOLOGY

A position is available within the NIH Intramural Research Program for investigating the cellular and molecular characteristics of dopamine receptors. See website: http://intra.ninds.nih.gov/Lab.asp?Org_ID=67 for further information on research. Candidates should have received their Doctorate degree within the past five years and have experience in molecular and/or pharmacological techniques. Please send cover letter and curriculum vitae to: **Dr. David R. Sibley; e-mail: sibleyd@ninds.nih.gov**

POSTDOCTORAL RESEARCH ASSOCIATE to join in studies of the physiology and molecular mechanisms by which central neural pathways are neuroprotective and regulate cerebral blood flow. Background/experience in small animal surgery and systems and cellular electrophysiology. Contact: **E. V. Golanov, Division of Neurobiology, Weill Medical College of Cornell University, 411 East 69th Street, New York, NY 10021. E-mail: egolano@med.cornell.edu**. Equal Employment Opportunity/Affirmative Action/Minorities/Females/Disabilities/Veterans.

CONFERENCES

BIOMATERIALS, THE NEXT FRONTIERS: Biomedical, Bioelectronic, Biomineralization, Bioanalytical. University of Delaware, Newark, Delaware. October 18-19, 2001. Contact: **Kathy Werrell, Engineering Outreach, University of Delaware, Newark, DE 19716-3101. Telephone: 302-831-4863; FAX: 302-831-8179; e-mail: enggoutreach@udel.edu; website: <http://www.udel.edu/engg/outreach/Biomaterials.htm>**

ANNOUNCEMENTS

Funding for the REGIONAL CLIMATE IMPACT ANALYSIS PROGRAM now available for RESEARCH SCIENTISTS associated with a university. You are invited to submit a proposal for funding by the National Institute for Global Environmental Change for the academic fiscal year 2001-2002. The program description and the proposal guidelines are available online at the following website: <http://nigec.ucdavis.edu/>. The full proposal is due 1700 hours EDT on 31 July 2001.

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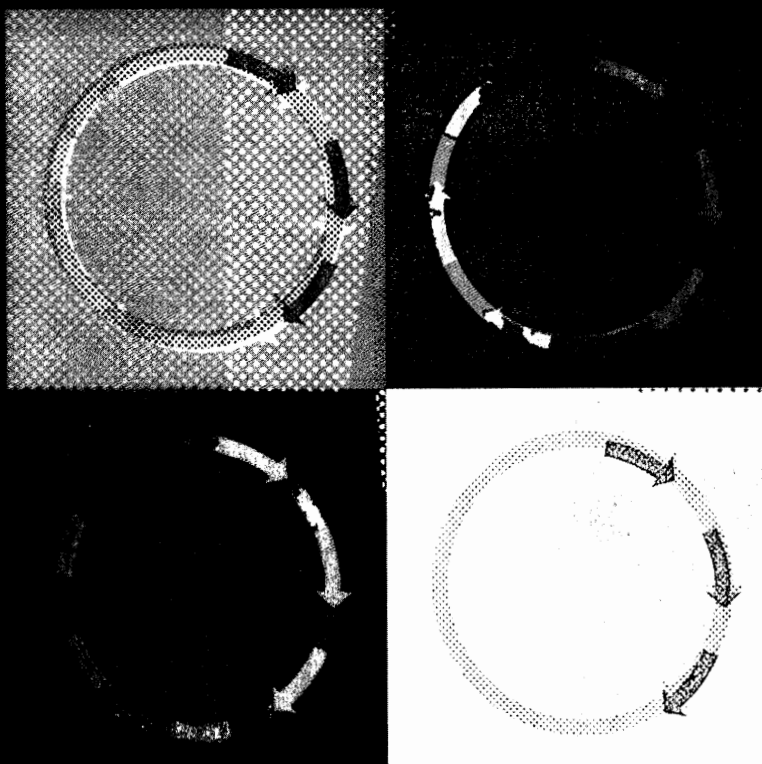
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