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NEW PRODUCTS

IMMUNOSTAINING SYSTEM

The Antibody Impregnated Membrane immunostaining system involves coating affinity-purified antisera onto specialized paper tabs that are moistened and laid on the tissue section to enable the antibody/antigen reaction to occur. Excess antibody is removed by washing, and a second paper tab coated with a universal biotinylated second antibody is applied to the section. The secondary antibodies migrate from the paper to bind with the primary antibodies already bound to the tissue section. A third paper tab coated with streptavidin peroxidase is used to detect the antibody complex, which is visualized by the application of a peroxidase chromogenic substrate. The system includes an antigen retrieval tab to enable unmasking of the antigen prior to application of the antibody-coated paper tabs.

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The MasterPure Plant Leaf DNA Purification Kit is designed for easy isolation of DNA from 35 to 100 mg of leaf tissue. The protocol can be completed in less than an hour and can be scaled up for larger amounts of tissue. The kit can also be used to extract DNA from root cambium if the tissue is homogenized or pulverized. DNA purified with the kit can be used for polymerase chain reaction or for restriction endonuclease digestions.

Epicentre Technologies

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The Wallac ViewLux is a new plate reader for laboratories engaged in high-throughput screening and drug discovery. It accepts any object with a microplate footprint and can measure five major nonradioactive technologies. It can handle more than 200,000 samples an hour and analyze a 1536-well plate in less than half a minute. The system supports both robot loading and batch-mode operation. Sample transport is provided by one or two robot trays or 32-position stackers. The detector is a Peltier-cooled

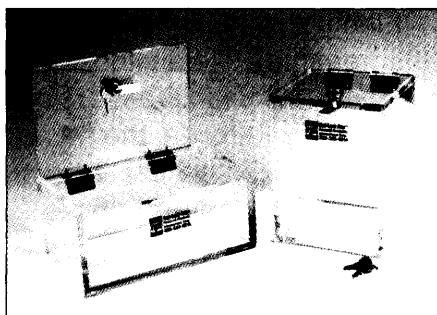
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charge-coupled device camera coupled to an optimized telecentric optical lens. For epi-fluorescence excitation, there is an extremely powerful array of flash-lamps together with high-quality optics. This provides for high-sensitivity measurement of light from prompt fluorescence, time-resolved fluorescence, luminescence, and absorbance assays.

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Locking containers of various styles and sizes are available to enhance laboratory radiation safety and comply with state and federal requirements for security of radioactive material. The containers feature tamper-resistant hardware with an integral key lock. Made of 3/8-inch-thick



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The WaterPro RO Station is for point-of-use production of Type III reverse osmosis water. The station's large-capacity filters and membrane deliver high-quality purified water. Water is produced on demand and is dispensed at a typical rate of 1 liter per minute (at 25°C) manually from a valve or an optional gun. The water is suitable for reagent preparation, general biotechnology work, and glassware rinsing. A timed-dispense feature allows for unattended operation from the valve. The user can set the timer for up to 99.9 minutes, press the dispense button, and walk away.

Research Products International

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The PolyPlex 96-channel oligonucleotide synthesizer is capable of synthesizing 96 20-mers in less than 3.5 hours at a cost of less than \$0.10 per base, with a daily capacity of 4 plates or 384 oligonucleotides per day. It features low reagent consumption and simplifies downstream sample handling. Flushing of reagent lines is eliminated by parallel dispensing of reagents, which reduces synthesis time. The synthesis chamber provides a unique, inert-gas environment; the user can monitor synthesis progress using full-plate trityl collection after any base addition.

Gene-Machines

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LITERATURE

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Immunology Research is a 12-page mini-catalog that features new products for apoptosis, CD marker, cell adhesion, cytokine, and tumor biology research. New enzyme-linked immunosorbent assay kits for p53, cathepsin L, and leukemia inhibitory factor are described. A summary of kits for apoptosis detection is also included.

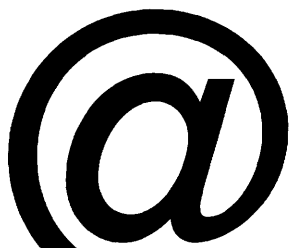
LightCycler Instrument describes a device and software that allow you to simultaneously detect multiple targets in multiplex polymerase chain reaction (PCR) using fluorescein, LightCycler Red 640, and LightCycler Red 705. The instrument can perform 40 PCR cycles in just 30 min and carry out complex quantification and mutation analysis experiments in real time, online. Efficient crosstalk compensation eliminates signal coming from neighboring channels.

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POSITIONS OPEN

TENURE-TRACK FACULTY MOLECULAR RECOGNITION

Under new leadership, the Department of Biochemistry at the State University of New York at Buffalo is embarking on a major expansion designed to add six new faculty within the next three years. Our goal in this initial phase is recruitment of highly qualified and motivated scientists having research interests in modern biochemical and/or genetic approaches to signal transduction, gene regulation, mutagenesis and repair, or the enzymology of these processes. Well-qualified individuals at all ranks are urged to apply, as hires at both the junior and senior faculty levels are anticipated this year.

The Department has substantial strengths in protein biochemistry and gene regulation, as well as significant interactions with other programs campuswide via Centers for Advanced Molecular Biology and Immunology, Toxicology Research, and Microbial Pathogenesis. Major initiatives are underway within the School of Medicine aimed at adding to existing strengths in structural biology, functional genomics, and proteomics, supported in part by a major infrastructure award from the Howard Hughes Medical Institute. Applicants employing these technologies in their research programs will have full access to these facilities.

Successful candidates at the **ASSISTANT PROFESSOR** level will have a Ph.D. or M.D. degree and at least two years of postdoctoral experience and will be expected to establish independent research programs within the highly collaborative environment existing in the School of Medicine. Candidates for appointment at **SENIOR LEVELS** will have nationally recognized and funded research programs. Ample space and highly competitive set-up/salary packages are available. To participate in this exciting phase of our Department's growth, submit curriculum vitae, concise description of research plans and background, and the names of three individuals qualified to act as references to: **Dr. Kenneth Blumenthal, Chair-Designate, Department of Biochemistry, Faculty Search, School of Medicine, State University of New York at Buffalo, Buffalo, NY 14214.** *The State University of New York is an Equal Opportunity/Affirmative Action Employer.*

PHYSIOLOGIST/NUTRITIONIST DEPARTMENT OF ANIMAL AND FOOD SCIENCES University of Delaware

The Department of Animal and Food Sciences at the University of Delaware invites applications for a 12-month, tenure-track position; **ASSISTANT PROFESSOR** rank; 60% research and 40% teaching. Candidate will develop an active, contemporary extramurally funded research program directed at minimizing the impact of commercial chicken production on the environment by improving nutrient retention, with emphasis on nitrogen and/or phosphorus. Will participate in the development and instruction of a team-taught undergraduate course that will focus on animal agriculture and the environment, will assist with an undergraduate course in comparative physiology, advise undergraduate students, participate in the University's nationally recognized undergraduate student research program, and supervise graduate students. A Ph.D. with postdoctoral experience and training in the physiology of digestion and nutrient metabolism are required. More information about the position and the University of Delaware can be found at **website:** <http://ag.udel.edu>. Submit a letter of application, curriculum vitae, a statement of teaching philosophy and research interests, and names and addresses of three professional references by June 1, 2000, to: **Dr. William W. Saylor, Search Committee Chair, College of Agriculture and Natural Resources, Department of Animal and Food Sciences, University of Delaware, Newark, DE 19717-1303. Telephone: 302-831-2522; e-mail: bsaylor@udel.edu.** *The University of Delaware is an Equal Opportunity Employer that encourages applications from minority group members and women.*

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSORSHIPS BARBARA DAVIS CENTER FOR CHILDHOOD DIABETES

University of Colorado Health Sciences Center

The Barbara Davis Center for Childhood Diabetes provides clinical care for more than 1,200 children with Type 1 diabetes and conducts basic research in islet cellular and developmental biology, molecular genetics, diabetic autoimmunity, experimental immunotherapeutics, and islet transplantation. Its research staff of 80 is supported by individual grants from the NIH, Juvenile Diabetes Foundation International, and American Diabetes Association and infrastructural support as an NIH Diabetes and Endocrine Research Center, an NIH Center of Excellence in Autoimmunity, and from its own Children's Diabetes Foundation. Staff hold primary academic appointments at University of Colorado Health Sciences Center and participate in graduate teaching programs in pediatrics, immunology, cellular and structural biology, molecular biology, and medicine. Two positions are available at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level to develop research programs which relate to the primary goals of understanding the pathogenesis of Type 1 diabetes and developing approaches to its prevention and treatment. Candidates should have a Ph.D. or M.D. degree, relevant postdoctoral experience, a strong academic record, and a commitment to the development of a career in basic research. Applications to: **Professor J. C. Hutton, Research Director, Barbara Davis Center, 4200 East Ninth Avenue, Box B-140, Denver, CO 80262 U.S.A.** should include curriculum vitae, statement of research plans, and names of three references by June 5, 2000. See **website:** <http://www.uchsc.edu/misc/diabetes/bdc.html>. *UCHSC is committed to Equal Opportunity and Affirmative Action.*

ASSISTANT/ASSOCIATE PROFESSOR. The Department of Integrative Physiology of the University of North Texas Health Science Center at Fort Worth (UNTHSC) invites applications for a tenure-track position. The Department has an established research emphasis in cardiorespiratory physiology and pathophysiology. The successful applicant must have an extramurally funded research program and will be expected to teach cardiorespiratory physiology for the UNTHSC medical and graduate programs. The Department has developed a multidisciplinary Cardiovascular Research Institute for the support of sponsored research and community outreach. The Department's **website** is: <http://www.hsc.unt.edu/departments/intphysio/index.asp>.

UNTHSC, located in the Fort Worth cultural district, is a state-supported health science center with state-of-the-art facilities for medical and graduate student education. Research facilities are supported by an AAALAC-approved barrier facility vivarium. Submit letter of application stating career goals, curriculum vitae, and three letters of recommendation to: **Robert T. Mallet, Ph.D., Search Committee Chair, Department of Integrative Physiology, UNTHSC, 3500 Camp Bowie Boulevard, Fort Worth, TX 76107-2699.** Deadline for application: July 1, 2000. *University of North Texas Health Science Center is an Equal Opportunity/Affirmative Action Institution.*

Faculty position: The Department of Medicine at University of California San Francisco has initiated a search for a liver cancer Research Scientist. This is a faculty position at the **ASSISTANT PROFESSOR** level to join the Division of Gastroenterology. Prerequisites: M.D. or Ph.D. and an established laboratory-based research program in liver cancer. Incumbent will be appointed in Cancer Research Institute and become a member of the Biomedical Sciences graduate program. Title and salary commensurate with experience and accomplishments. Please send curriculum vitae to: **D. M. Bissell, M.D., c/o Erica Gorman, UCSF GI Division S-357, 513 Parnassus, San Francisco, CA 94143-0538.** *UCSF undertakes Affirmative Action to assure Equal Employment Opportunity for underutilized minorities, women, persons with disabilities, Vietnam-era veterans, and special disabled veterans.*

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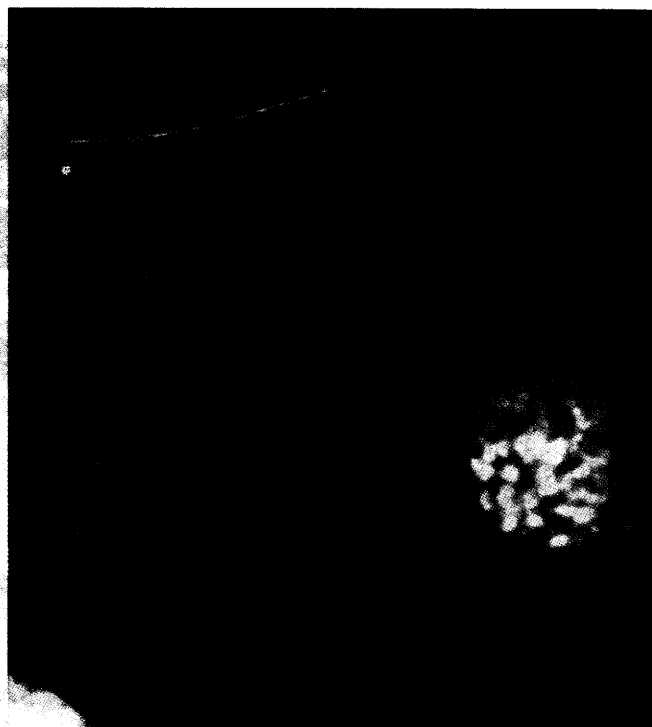
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Neurobiologist

As a principal Cell Biologist, you will direct research in the development and use of cell based systems, models and assays for new therapeutic target identification and validation in the area of inflammation in autoimmune (Multiple Sclerosis) disease and neurodegeneration (Alzheimer's Disease and stroke). You should have a strong CNS background with 5 years of postdoctoral experience and at least 3 years of industrial research experience. Evidence of strong project management capabilities, familiarity with compound progression, proven innovative research and productivity in the field of neuroscience and excellent presentation skills are necessary. Expertise required for the position includes culturing and building model functional assays with cell lines, primary neural stem cells, as well as primary cells of differentiated neural lineages, with some experience in molecular biology and neuroimmunology.

Research Associate

As a Research Associate in the CNS Disease Group, you will participate in drug discovery research in the field of CNS diseases resulting from inflammatory autoimmune and neurodegenerative pathologies. We are seeking a scientist with an MS degree or 5 years industrial experience in cell biology research with an emphasis on CNS cells. The work will include identification and validation of innovative targets using model systems requiring additional skills in biochemistry, molecular biology and some animal work. Candidates must have a record of productivity in the area of neuroscience as well as excellent oral and written presentation skills.

Aventis Pharmaceuticals is proud to be an equal opportunity employer committed to a diverse workforce.

Career Opportunities With DuPont Pharmaceuticals...

Research Scientists

The pharmaceuticals world is changing rapidly. As part of DuPont Pharmaceuticals Company's ongoing efforts to strengthen its science and technology base, new staff positions are being created.

We are currently in need of three Ph.D.-level scientists with at least 2 years of post-doctoral experience for our Applied Biotechnology Department. As part of the department's Cell Biology team, these scientists support diverse drug discovery efforts. Positions require a strong cell biology background, good analytical skills and a spirit of teamwork and communication.

Cell Line Generation & Characterization

Create and characterize mammalian cell lines using a variety of cell/molecular methods. Experience with viral vectors and/or regulatable gene expression systems would be a plus. **Code: CLG**

Protein Expression in *E. coli*

The second scientist will develop/validate procedures for rapidly optimizing recombinant protein expression in *E. coli*. The scientist will optimize expression on a small scale, then efficiently scale to 10-60L. Experience with mammalian, insect or yeast expression sys-

tems would be a plus, as would experience in DNA cloning or protein analysis. **Code: PEC**

Cell Assay Development

The third scientist will develop quantitative assays for cell and gene function, primarily in mammalian systems. Experience with Ca++ flux measurements, receptor/ligand binding, antibody-based techniques and fluorescence microscopy is desired. A solid background in cell culture is required. **Code: CAD**

Virology

We also have a postdoctoral position in our Virology department to study Hepatitis C virus replication and assembly of mammalian cells. This scientist will hold a Ph.D. or MD degree along with experience in molecular and cell biology. Virology experience a plus. **Code: VPD**

Along with a competitive compensation and benefits package, we offer excellent facilities and a highly interactive environment. Interested candidates should forward their resume to: **DuPont Pharmaceuticals Company, Human Resources, E400-2413, P.O. Box 80400, Wilmington, DE 19880-0400; e-mail: AMSResume@dupontpharma.com.** An equal opportunity employer, M/F/D/V.



DuPont Pharmaceuticals Company

Assistant Scientist and Postdoctoral Associate THE UNIVERSITY OF FLORIDA Department of Neurological Surgery

The Department of Neurological Surgery, University of Florida, College of Medicine is seeking an Assistant Scientist to carry out research in the cellular basis of epilepsy. The laboratory studies seizure susceptibility in an animal model of cortical dysgenesis. We utilize whole-cell patch clamp recordings from neocortical slices and anatomical methods to study alterations in local circuitry in areas of cortical dysplasia and heterotopic gray matter. Salary will be commensurate with experience and academic qualifications. The anticipated starting date for this NIH-funded position is July 20, 2000 or as soon as possible thereafter. An additional position is available for a Postdoctoral Associate to perform histologic and immunohistochemical studies in the same laboratory.

Qualifications: Assistant Scientist: Ph.D. in appropriate area of expertise. Experience in whole-cell clamp recording from neurons is required. **Postdoctoral/Research Associate:** M.S. or Ph.D. with expertise in histology and immunohistochemistry.

Applicants should send a curriculum vitae, cover letter and three letters of reference by June 30, 2000 to:

Steven N. Roper, M.D.
Department of Neurological Surgery
P.O. Box 100265
University of Florida
Gainesville, FL 32610-0265
roper@neurosurgery.com

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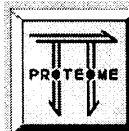
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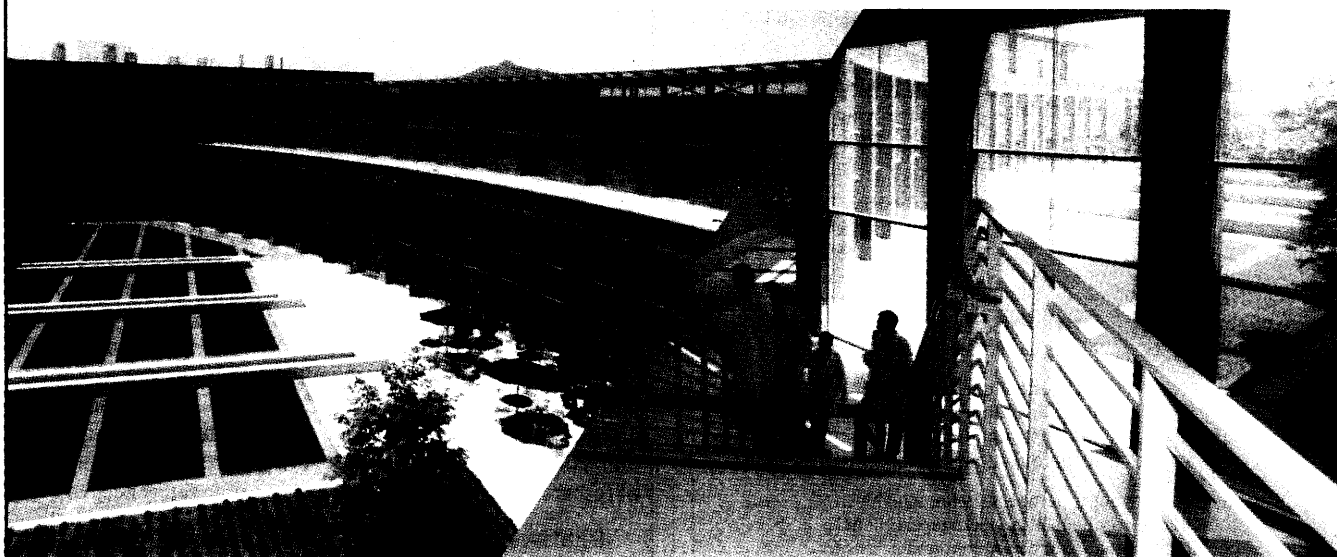
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Proteome is a rapidly growing company at the forefront of the bioinformation revolution that provides comprehensively curated protein databases to the pharmaceutical industry and to academia. We have many openings for Scientific Curators, who collect and integrate protein information for our multispecies databases. Candidates must have training in mammalian or model systems, a wide knowledge of cell or molecular biology or related fields, excellent writing skills, and a Ph.D. degree. Curators may work full or part time, on-site or remotely, which offers maximum personal flexibility.

For consideration please send a cover letter and cv to **Human Resources, PROTEOME, INC., 100 Cummings Center, Suite 435M, Beverly, MA 01915 or hr@proteome.com or fax to 978-922-3971.**

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Amgen Opportunities



Amgen, a leading biopharmaceutical company, has the following opportunity for its **Thousand Oaks, CA** location.

RESEARCH ASSOCIATE II

This position in Amgen's Inflammation Department is for a cellular immunologist with experience in T-cell proliferation and cytokine assays and FACS analysis using both human and mouse cells. Experience with mouse, rat and human lymphocyte purification, culturing of T- and B-cell hybridomas, and preparation of purified antigen-presenting cells (APCs) required. Experience with T-cell co-stimulation assays and immunohistochemical techniques is highly desired. We require a Bachelor's or Master's degree in molecular biology, immunology or related field and 3+ years academic or industry experience. **(Req. #00-0000443)**

We offer a highly competitive compensation and benefits package that includes a retirement and savings plan, an on-site fitness center, and three weeks of vacation. For immediate consideration, please e-mail your ASCII resume (indicating Req. #) to: **jobs@amgen.com Attn: (Req. #00-0000443)** or mail to: **Amgen Staffing, (Req. #00-0000443), P.O. Box 2569, Thousand Oaks, CA. 91319-2569.**

Amgen has these immediate opportunities in our **Colorado** Quality Control Department at our Boulder & Longmont locations for team-oriented professionals with cGMP experience.

QAL ASSOCIATE I

Support manufacturing, clinical and other Amgen departments by performing analytical techniques and procedures in accordance with cGMP. One technique will be HPLC; water testing techniques include LAL and TOC analysis. Perform maintenance and calibration checks on instruments, and provide accurate assay documentation. We require a Bachelor's degree in a scientific discipline with excellent written/verbal communication skills and PC proficiency (Excel). Must be willing to work shifts and be available for on-call. **(Req. #00-0000141)**

QAL SUPERVISOR - IMMUNOCHEMISTRY

Supervise the Quality Analytical Laboratories Immunochemistry group which is responsible for testing product and biological samples. Supports the Clinical, Manufacturing and Process Development groups with the use of enzyme immunoassay and radioimmunoassay in accordance with cGMP and GLP regulations. We require a Bachelor's degree in Life Sciences, Biochemistry, Chemistry or related field, a strong knowledge of immunochemistry, and 6-10 years laboratory experience and previous supervisory experience in a regulated environment. Requirements include EIA and RIA performance, troubleshooting, development, and excellent laboratory skills (including pipetting). Must be detail oriented with excellent written/verbal communication skills, and proficiency in multiple data transformation software programs for data analysis. **(Req. #00-0000629)**

QAL SUPERVISOR - BIOCHEMISTRY

In support of Commercial and Clinical Manufacturing and Clinical Stability efforts, you will provide supervision for a team performing LAL; SDS-PAGE Silver, Coomassie and Western; IEF Silver, Coomassie, and Western; Bradford and DNA testing. Ensure GMP compliance through meticulous documentation, instrument standardization/calibration, SOPs, and analytical method review. Requires a Bachelor's degree with 6+ years experience (typically 3 years in a supervisory capacity) and technical expertise in three or more of the above techniques. Must know the fundamental principles of biochemistry, electrophoresis and DNA quantification, and be able to operate specialized laboratory equipment and computers. Excellent interpersonal and written/verbal communication skills are essential. Must be willing to work shifts and be available for on-call. **(Req. #00-0000146)**

Please e-mail your resume and cover letter to: **co.resumes@amgen.com** (indicate position of interest - Req. # as the subject) or mail to **Amgen, Attn: Human Resources (Req. #), AC 4C, 4000 Nelson Rd., Longmont, CO 80503.** Equal Opportunity Employer.

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AMGEN

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Postdoctoral Scientist

You will work with a team of scientists at Canji and collaborators at DNAX Research Institute and the Schering-Plough Research Institute to investigate the structural basis of interactions of virus vectors with host proteins, receptors and antibodies. Based on this research, you will participate in the development of new approaches to gene delivery.

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In return for your expertise, we offer a highly competitive compensation package, excellent benefits, stimulating environment and access to state-of-the-art technology. For consideration, we invite you to forward your resume, including cover letter to: **Human Resources, Canji, Inc., 3525 John Hopkins Court, San Diego, CA 92121; E-mail: hrsandiego@spcorp.com.** We are an equal opportunity employer.



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An NIH-funded postdoctoral fellowship is available for an American Citizen or a permanent U.S. resident to perform structural studies of novel Sp1-like transcriptional repressor proteins. This position will be part of an intense collaborative effort among biochemists, molecular biologists, and structural biologists. Applicants should be a competent structural biologist. Experience in NMR, biochemical analysis of protein-DNA interactions, and/or protein crystallization are desirable. Send a curriculum vitae, a description of research experience, and three academic references to:

Raul Urrutia, MD/Franklyn Prendergast, Md, PhD
Mayo Clinic
Alfred 2-435
200 First Street SW
Rochester, MN 55905
Fax: 507/255-6318
E-mail: urrutia.raul@mayo.edu

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Research Technician *Molecular Biology/Biochemistry*

The **Howard Hughes Medical Institute**, at MIT/Whitehead Institute, is seeking a motivated individual to work with a dynamic group studying protein structure-function, protein design and viral membrane fusion. Individual will conduct research projects in molecular biology and biochemistry within this setting. Duties will include plasmid construction/manipulation, protein expression and purification, analysis/presentation of data and training of laboratory personnel. **Qualifications:** MS/BS in Biology, 2-4 years of related experience, including experience in molecular biology techniques and biochemistry, good organizational skills and the ability to work independently.

HHMI offers a competitive salary and an excellent benefits package. Please send resume to: **Pam Dvorak, HHMI/Whitehead Institute, 9 Cambridge Center, Room 667, Cambridge, MA 02142. E-mail: dvorak@wi.mit.edu** HHMI is an equal opportunity employer.

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Associate Professor/Professor

DEPARTMENT OF PHARMACOLOGICAL AND PHYSIOLOGICAL SCIENCE

Saint Louis University Health Sciences Center

Saint Louis University, a Catholic Jesuit Institution dedicated to education, research and health care, is seeking applicants for faculty positions in the Department of Pharmacological and Physiological Science at Saint Louis University School of Medicine. The positions are tenure track appointments at the Associate Professor or Professor level. We offer an environment rich in senior level scientific experience, start-up funds, laboratory space and a record of highly successful and continuing extramural research funding. Preference will be given, but not restricted, to individuals with demonstrated experience in the application of modern techniques in research of the nervous or endocrine systems. Interested persons should send a curriculum vitae, three letters of reference and a description of research interests and objectives to:

Dr. Thomas C. Westfall
Professor and William Beaumont Chair
Department of Pharmacological and Physiological Science
Saint Louis University School of Medicine
1402 South Grand Boulevard
St. Louis, MO 63104

*Saint Louis University is an Equal
Opportunity/Affirmative Action Employer.
Women and minorities are encouraged to apply.*



**MOUNT SINAI
SCHOOL OF
MEDICINE**

FACULTY OPPORTUNITIES

The Mount Sinai School of Medicine is internationally recognized as a prestigious institution for learning and research. To continue in this tradition, we are seeking two highly qualified individuals to join our faculty.

Orthopaedics

The Department of Orthopaedics is seeking a new faculty member with expertise in molecular and cell biology for its expanding Orthopaedic research program. The successful candidate will develop an independent research program using molecular and cell biology approaches to examine function, disease or repair in the musculoskeletal tissues. Program development will be in close collaboration with the established multidisciplinary research teams, with strengths in molecular biology and genetics of connective tissues, aging and skeletal pathology. Appointment is expected at the level of Assistant Professor, however, distinguished applicants at a more senior level will also be considered. Reply with C.V., a statement of professional goals and research plans, and the names of three references to: Mitchell B. Schaffler, Ph.D., Director of Orthopaedic Research, Department of Orthopaedics – Box 1188, Mount Sinai School of Medicine, One Gustave L. Levy Place, New York NY 10029.

Diabetes & Aging

We invite applications for Assistant Professor positions in our expanding Research Divisions for Diabetes and Aging. Candidates must show clear evidence of capacity for independent research; faculty members with versatility in research interests and skills are preferred, as the scope of our research includes etiopathogenesis and treatment of diabetes and its complications. A Ph.D., M.D. (or both) in the areas of diabetes, endocrinology, metabolism, with expertise in the cellular and molecular basis of disease are encouraged to apply; experience in vascular biology preferred. You'll enjoy a rich environment for scientific interactions with investigators whose interests range from the molecular to the clinical application level. Generous start-up funds and salary will be commensurate with qualifications and experience. Send C.V., a short statement of research experience and interests, and names/addresses of three people who are familiar with your scientific work, to: Division of Diabetes and Aging, Department of Geriatrics and Adult Development, Box 1640, Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, NY 10029; fax (212) 849-2652; e-mail ina.katz@mssm.edu.

We are an equal opportunity employer fostering diversity in the workplace.

www.mssm.edu

One Tenure Track or Tenure Investigator Molecular Imaging Branch National Institute of Mental Health

The Molecular Imaging Branch of the National Institute of Mental Health Intramural Research invites applications for one tenure track or tenured investigator. The candidate is expected to develop an independent research program for the discovery of new and implementation of existing radiopharmaceuticals to be used in understanding the neurochemical basis of major mental disorders. The candidate must have a Ph.D in chemistry of medicinal chemistry with broad research experience in radiochemistry, including a record of high scientific productivity as an independent investigator, direct administrative responsibility for research program, and both national and international recognition. Applicants should send a curriculum vitae, statement of research interests, and have six letters of recommendation sent by **April 30, 2000** to: Dr. Dennis Charney, Chair, Search Committee for the Molecular Imaging Branch, Bldg. 10, RM. 4N222, 9000 Rockville Pike, Bethesda, MD. 20892. The National Institutes of Health is an equal opportunity employer.

Aventis Gencell



Sr. Research Scientist, Molecular Histology

Aventis Gencell is a division of Aventis Pharmaceuticals, the result of a merger between Hoechst Marion Roussel and Rhone Poulenc Rorer. In the tradition of these pharmaceutical leaders, Aventis Pharmaceuticals is dedicated to extending and enhancing human life through the discovery, development, manufacture and sales of pharmaceutical products. Currently, at the Gene Therapy Research Facility in Hayward CA, we have an immediate opening for an experienced Molecular Histologist to oversee the establishment and day-to-day operations of a new state of the art histology lab. This small biotech group leads the Aventis Pharma scientific research and development on gene therapy approaches to treating cancer.

This new position will be responsible for defining the strategic direction of the function and supporting the data collection for preclinical and vector development oncology projects. A high degree of leadership along with a proven record of managing scientific projects is a must. This individual will be responsible for histologically evaluating animal models; detecting protein and vector viability in animal tissues; identifying bioactivity markers; integrating project teams and external collaborators; and overseeing subcontract lab services. This position will report to Hayward, be a member of a global Department, and require significant global interface with international colleagues.

Requirements include a Ph.D. in Molecular Histology; a minimum of 5 years experience in a histology laboratory setting within the field of gene therapy, including experience in managing conventional histology, histochemistry techniques, in situ hybridization, biological activity markers and managing matrixed technical project teams. Prefer experience in a biotech environment and interdisciplinary approach.

Excellent benefits, salary and relocation, if applicable. Forward C.V. with references to: **Human Resources, Aventis-Gencell, 3825 Bay Center Place, Hayward CA 94545; fax: 510-266-5019; e-mail: gail.estes@aventis.com**

An equal opportunity employer M/F/D/V

CLINICAL RESEARCH
CALL FOR NOMINATIONS
**THE DORIS DUKE CHARITABLE
FOUNDATION**



**DISTINGUISHED CLINICAL SCIENTIST
AWARD FOR EXCELLENCE IN
"BENCH TO BEDSIDE" RESEARCH**

The Doris Duke Charitable Foundation is soliciting nominations for the Doris Duke Distinguished Clinical Scientist Award. Awards of \$1.5 million will be made to as many as eight outstanding physician-scientists conducting "bench to bedside" (translational) clinical research in the following disease areas — cancer, cardiovascular diseases, AIDS and sickle cell anemia and other blood disorders.

Academic medical centers and other non-profit research institutions are invited to nominate one candidate in two of the four disease areas. **Nominations and the accompanying brief preproposals must be received by May 29, 2000.**

Nominees must have received a M.D. or M.D./PhD from an accredited institution, and have a full-time university faculty appointment at the level of associate professor or the equivalent by September 2000. Investigators

who have been appointed to the level of professor or the equivalent within five years of the September 2000 application date for the award also are eligible. Nominees must spend at least 75% of their time conducting clinical research.

In July 2000, following a review of the preproposals, approximately 22 individuals will be selected to submit applications (due in September 2000). Following a peer review process, up to eight awards will be made to outstanding physician-scientists whose research bridges the gap between science and clinical research.

The Doris Duke Distinguished Clinical Scientist Award announcement, containing a description of the required preproposal package and the submission instructions, can be downloaded from our website at <http://ddcf.aibs.org/dcsa>. Please e-mail questions to ddcf@aibs.org.



As part of a coordinated expansion in Translational Pharmacology, positions are available in the following areas:

Cancer Pharmacogenetics

*Postdoctoral Fellow
Senior Research Technician*

Identification and functional evaluation of clinically relevant single nucleotide polymorphisms. Candidates must have previous experience with Molecular Genetics and/or Biochemical analysis of gene function. Experience with high throughput genotyping or *in silico* SNP analysis is desirable.

Clinical Pharmacology/Analytical Chemistry

*Research Associate/Senior Research Scientist
Senior Research Technician
Technician II*

Development and application of assays for anticancer therapeutics to a standard acceptable to regulatory authorities. Candidates with HPLC, GC/MS, and/or LC/MS experience are preferred.

Translational Research/Experimental Pathology

*Research Associate
Senior Research Technician*

Use of gene expression array and protein analysis to understand mechanisms of chemotherapy activity in human cancer. Candidates must have previous experience working with primary human tumor and immunohistochemistry or mRNA analysis.

Send curriculum vitae and names of three references to: **Dr. Howard L. McLeod, Department of Medicine, Washington University, Division of Oncology, 660 South Euclid, Box 8069, St. Louis, MO 63110. Email: mmd233@mailserv.abdn.ac.uk.**

A Work of Art

Delicate brush strokes come together in a heavenly masterpiece. It's beautiful sights like this that Alcon helps people see everyday. As global leader in the development of ophthalmic and vision care products, we're committed to preserving and restoring the vision of people around the world.

Senior Scientist

Alcon is seeking a flexible, broadly-trained individual to join our R&D division, to develop appropriate *in vitro* and *in vivo* test models that mimic cellular processes and clinical ocular disease states. The individual will be responsible for *in vitro* and *in vivo* drug evaluations to identify compound leads with potential for clinical development, writing of test reports/summaries/publications, as well as monthly, semi-annual and annual progress reports. We prefer candidates with a Doctorate degree in the scientific/technical discipline (Biochemistry/Pharmacology) and a minimum of 3-5 years, preferably 6-8 years of experience.

Alcon professionals enjoy state-of-the-art facilities in a business casual environment. Our company offers competitive salaries and a wide array of excellent benefits, including a very generous Profit Sharing Trust Plan (401K) and the Alcon Retirement Plan. Our beautiful 160-acre campus is located in Fort Worth, Texas, renowned for its warm climate, low cost of living, and no state income tax. For additional information about Alcon, please visit our website at www.alconlabs.com or fax your resume to (817) 551-4629, email: bryan.rice@alconlabs.com

Alcon
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Pre-employment drug testing.

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**San Francisco
area location.**

Bioinformatics Senior Scientist #801

(Ph.D. required)/Bioinformatics

Research Scientist I/II #802 (BS/MS required)

We are seeking one individual to co-direct and one individual to join our protein informatics group and use state-of-the-art bioinformatics tools to perform annotation of gene function. Requires self-directed, wet bench experience in experimental genetics, cell/developmental biology, biochemistry, or a related field. Some experience with DNA or protein sequence analysis is a must. Applicants should feel comfortable using standard computational tools for biological analysis. UNIX or PERL experience is a plus.

If you'd like to discover how to further your career with us, send your resume, indicating position of interest, to: **Celera, Attn: Michael Campbell, 850 Lincoln Center Drive, Foster City, CA 94404. E-mail: michael.campbell@fc.celera.com or visit us at: www.celerajobs.com**

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APE Corporation Business

**Biology of Aging Program
National Institute on Aging
POSITIONS AVAILABLE**

**Branch Chief, Systems Branch,
GS 15
Health Scientist Administrators,
GS 13/14**

The Biology of Aging Program, National Institute on Aging, National Institutes of Health, seeks to fill three vacancies: Branch Chief, Systems Branch and two Health Scientist Administrators. The Biology of Aging Program plans, implements, and supports fundamental molecular, cellular, genetic, and physiological research on the mechanisms of normal aging and age-related pathologies in humans and animal models. This includes investigations of the gradual or programmed alterations of structure and function which characterize normal aging, as well as investigations of the abnormal changes which are risk factors for or accompany age-related disease states. The ultimate goal is to develop molecular interventions to reduce and/or delay age-related degenerative processes in humans.

Candidates for both positions must have a Ph.D. or M.D. or equivalent, a minimum of two years of postdoctoral research training, and knowledge of research in one of the following areas: biochemistry, immunology, muscle biology, bone biology, cartilage biology, cell biology or genetics. Experience in gerontology is desirable but not necessary. U.S. citizenship is required.

The Branch Chief, Systems Branch will serve in a dual capacity as Chief of the Systems Branch and as Health Scientist Administrator for one of the following program areas: Musculoskeletal Biology Program or the Immunology Program. The incumbent will assist the Associate Director, BAP, in the formulation, development, and administration of activities within the BAP, and supervise the Health Scientist Administrators within the Systems Branch. The incumbent will also be responsible for developing and administering a scientific program area. The salary range is (GS-15) \$84,638 - \$110,028.

(Announcement number NIA-00-916)

The Health Scientist Administrator serves as Program Director for one of the following program areas: Cell Structure and Function Program, Musculoskeletal Biology Program, or the Immunology Program. The incumbent will be responsible for developing and administering a scientific program area through reviewing literature, convening workshops, and managing a grants portfolio. The salary range is (GS-13) \$60,890 - \$79,155; or (GS-14) \$71,954 - \$93,537.

(Announcement number NIA-00-915)

The application deadline is May 15, 2000. For a complete vacancy announcement, see web site <http://careerhere.nih.gov/>, click on current vacancies, enter the announcement number (either of two above), click on find. Review the requirements listed, send a resume and address the three areas (KSAs) on which each applicant will be evaluated. If you have questions after you read the announcement, contact Marian Patten, NIA Personnel Office, 301-496-5347.

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*"In looking at the next several years,
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ranks among the best in the
pharmaceutical industry."*

— J. R. H. S. S. M. D. C. • B. S. S. S. S.

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At each of our facilities, we're working to make
this vision a reality. And, as part of Wyeth-
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American Home Products, one of the world's
leading research-based companies, we deliver.
If you're interested in a career in using your
pharmaceutical and scientific knowledge to help
us help the world, the following facilities have
positions available:*

Drug Metabolism (8 positions)

Princeton, NJ

The qualified candidates will manage in vitro and in vivo biotransformation studies on drug candidates. To qualify, you must possess a BS, MS or Ph.D. in Chemistry, Biochemistry, Pharmacology or a related discipline with zero to ten years' post-graduate experience in Drug Metabolism. Familiarity with chromatography, analytical method development, metabolite isolation and enzymology is preferred. A number of positions also exist for candidates with expertise in mass spectrometry who would primarily utilize quadrupole based LC/MS/MS systems.

Research Scientist III/Senior Research Scientist II, Immunoassay

Pearl River, NY

Preferred candidates will provide immunoassay related GLP bioanalytical support to pre-clinical and clinical projects, as well as train/supervise junior level scientists in the validation of immunoassays and the performance of routine sample analysis. Additionally, the senior level scientist will be required to develop, improve and validate immunoassays for the quantification of protein drugs and for detection of anti-product antibodies in biological fluids. You must possess a Ph.D. in Biochemistry, Immunology or a related discipline with zero to two years' or four to six years' hands-on relevant experience for Research Scientist III and Senior Research Scientist II, respectively. A strong background in lab automation, antibody characterization techniques, cell culture or GLP regulations is an asset. Exceptional communication/interpersonal skills are imperative.

Senior Research Scientist I - Reproductive Toxicology

Chazy, NY

The candidate we seek will take overall responsibility for safety studies on new drug candidates in accordance with GLP and other regulatory guidelines. Other duties will include overseeing, coordinating, and participating in the preparation of technical regulatory documents relating to these studies, representing Drug Safety on project teams, and facilitating communication of safety issues to and from project team members. You will also provide interpretation of results and integrate information provided by other groups (e.g., pathology and drug metabolism). The ability to work with minimal supervision on day-to-day management operations is required. Requirements include a Ph.D. in Biology, Pharmacology, Developmental Biology, Toxicology or a related field; an emphasis on Reproductive Biology or a related field is preferred. A minimum of 2 years' GLP experience and/or pharmaceutical/industrial experience is also required.

Principal Research Scientist - Cardiovascular Safety Pharmacology

Chazy, NY

The ideal candidate will be responsible for the planning and implementation of cardiovascular studies for the assessment of relevance to human risk and handle the development/application of appropriate in vivo models and in vitro Purkinje fiber and myocytes assays. Other key duties include the development/adaptation of procedures to meet experimental needs, the review of data and preparation of reports, and the implementation of method development and training for new procedures. We require a Ph.D. in Physiology or a related area, along with a minimum of 8 years' relevant academic or pharmaceutical/biotech laboratory experience with cardiovascular models.

Senior Research Scientist II

Chazy, NY

The candidate will manage safety studies on new drug candidates in accordance with GLP and other regulatory guidelines. You will also direct the preparation of technical regulatory documents relating to these studies, as well as represent Drug Safety on project teams. You must possess a Ph.D. with a minimum of 5 years' relevant experience. A strong background in Good Laboratory Practices, Drug Safety Standard Operating Procedures, the pharmaceutical industry or other aspects of drug safety testing is required. Expertise in carrying out toxicology studies is also essential.

Wyeth-Ayerst offers competitive compensation and benefits programs including stock options, child-care subsidies, flex time, business casual Fridays, educational assistance and professional development programs. Please forward your resume with salary requirements to: **Wyeth-Ayerst, Reference OPSCI, P.O. Box 7886, Philadelphia, PA 19101-7886.** Fax in fine

mode to: (610) 989-4854. E-mail:
jobs@RAMAIL1.wyeth.com (ASCII
format, no attachments, subject: resume).

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<http://company.monster.com/wyay/>

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MAYO CLINIC - ROCHESTER CANCER INVESTIGATOR

Excellent facilities and research environment are available for an established or highly promising investigator in the field of cancer biology or viral pathogenesis as related to cancer. The successful applicant will have full privileges within the Mayo Cancer Center, and substantial institutional support will be directed to the development and sustained operation of his/her laboratory; faculty rank will be commensurate with background and experience. Individuals engaged in the study of hematologic malignancy, virology, or having experience with the development and application of molecular genetic methods to the study of cancer are particularly encouraged to apply. For information on research programs in the Division of Experimental Pathology, see: www.mayo.edu/research/experimental_pathology/people/ Send curriculum vitae, bibliography and names of three references to:

C. David James, Ph.D.
Division of Experimental Pathology
Mayo Clinic
200 First St. SW
Hilton Building, Room 820-D
Rochester, MN 55905

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



Postdoctoral Positions in Cellular and Molecular Neuroscience

Four postdoctoral positions are available to study the cellular and molecular mechanisms regulating neural signaling. Successful applicants will play integral roles in these highly collaborative, multidisciplinary, NIH-funded research projects:

- Electrophysiology of muscarinic receptors in prefrontal cortex. Whole cell recording techniques are used in combination with pharmacological and molecular biological approaches to address mechanisms by which muscarinic receptors regulate neuronal excitability. (http://146.9.4.214/RA_lab) (Rodrigo Andrade)
- Regulation of the human dopamine transporter (hDAT). Analysis of hDAT gene expression in postmortem brain from cocaine abusers. In vitro analysis of hDAT promoter to elucidate underlying molecular mechanisms. RGS proteins. Confocal analysis of gene expression in slice cultures (<http://146.9.5.38>) (Michael Bannon)
- Collaborative project with Parke-Davis Pharmaceutical Research (Ann Arbor). Molecular and cellular analysis of GPCR signaling pathways. Function of regulators of G protein signaling (RGS) proteins in the CNS. Organization and regulation of adrenergic signaling in adipose tissue. (James Granneman)
- Mechanisms by which drugs of abuse and environmental toxins damage monoamine neurons. Monooxygenase enzyme and transporter protein response to reactive oxygen and nitrogen species. Microarray analysis of neurotoxic amphetamine-induced alterations in gene expression. (Donald Kuhn)

Interested candidates should send a brief letter describing their research interests, a curriculum vitae, and three letters of reference to the appropriate principal investigator at: Wayne State University School of Medicine, Department of Psychiatry and Behavioral Neurosciences, 540 E. Canfield Ave., 2309 Scott Hall, Detroit, MI 48201

Wayne State University is an equal opportunity/affirmative action employer.

THE NEUROSCIENCES INSTITUTE SAN DIEGO, CALIFORNIA

Applications are invited for POSTDOCTORAL FELLOWSHIPS at The Neurosciences Institute, an independent, not-for-profit organization at the forefront of brain science. Nobel Laureate Gerald M. Edelman is the Institute's Director. Research at the Institute spans levels from the molecular to the behavioral and from the computational to the cognitive. Postdoctoral Fellows have the opportunity to collaborate with senior colleagues including Drs. Evan S. Balaban, Gerald M. Edelman, Ralph J. Greenspan, Andrew B. Schwartz, Giulio Tononi, and Jonathan Wray in the following areas:

Theoretical and Cognitive Neurobiology

- Large-scale simulations of neuronal networks including cerebral cortex and neuromodulatory systems
- Functional analysis of interactions among brain areas using modern neuroimaging techniques including correlates of visual and auditory (musical) perception
- Experimental and theoretical studies of the neural correlates of consciousness
- Simulations of large-scale neuronal networks capable of guiding behavior of autonomous devices in the real world
- Exploration of the possibilities of constructing a conscious artifact

Cellular and Molecular Neurobiology

- Systems level physiology of motor coordination in cerebral cortex and cortical appendages
- Molecular biology and genetics of sleep and waking states in mammals and *Drosophila*
- Development of perceptual and motor capabilities in inborn behaviors of avians
- Role of genes and gene networks in behavior of *Drosophila*
- Cellular mechanisms of synaptic plasticity

Positions are now available. Fellows receive stipends appropriate to their qualifications and experience. Candidates should send a short statement of research interests, a curriculum vitae, and the names of three references to **Research Director, The Neurosciences Institute, 10640 John Jay Hopkins Dr., San Diego, CA 92121.**

THE BEST OF BOTH WORLDS

UCB Pharma is implementing a significant expansion at its Cambridge research site. This is a unique opportunity to join a growing and dynamic pharmaceutical research and discovery organization in an entrepreneurial environment.

Senior Scientist, Molecular Modeling

The Computational Chemistry group of UCB Research, Inc. is seeking a molecular modeler to work closely with the medicinal chemistry, biology and pharmacology groups in the design and optimization of novel drug candidates using advanced computational techniques. This highly motivated individual will have a Ph.D. degree in Chemistry or in a related field. Knowledge of structure-based drug design techniques and successful interpersonal skills are also required. A minimum of two years' experience in molecular modeling and familiarity with Tripos software are highly desirable.

UCB Research, Inc. offers an entrepreneurial culture, comprehensive benefits package and a competitive salary. If qualified, please forward your resume indicating position of interest and salary requirements to: **Human Resources, UCB Research, Inc., 840 Memorial Drive, Cambridge, MA 02139.** You may fax us at 617-547-8481 or e-mail your resume to melissa.ouellet@ucb-group.com. For more information about our company, visit our website at <http://www.ucb-group.com> EOE



Pharma
www.ucb-group.com

SCIENTIFIC PROGRAM MANAGERS NIH RESEARCH ADMINISTRATION

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) is seeking scientists (M.D., Ph.D. or equivalent) for four positions to develop programs to capitalize on recent research advances which offer opportunities for progress toward new understanding and treatments for diabetes. Each position involves close interaction with leading researchers, scientific administration of grants and contracts, program planning and development, and the opportunity to organize and attend scientific meetings. Successful candidates will have independent research experience, excellent interpersonal and written communication skills, the ability to identify research priorities and opportunities, and the ability to track and analyze the success of initiatives and programs.

Applications are invited for positions to manage expanding programs of diabetes research in the following four areas:

- genetics, genomics, expression profiling, and bioinformatics
- immunology, autoimmunity, and virology
- metabolism of glucose, proteins, and lipids
- clinical research/clinical trial design and management in diabetes and endocrinology.

These positions are located in the Division of Diabetes, Endocrinology, and Metabolic Diseases. An overview of areas of science encompassed within the Division and current initiatives to expand research can be found at <http://www.ep.niddk.nih.gov/divisions/dem/demhome.htm>

Competitive salaries commensurate with experience are available for these positions. The vacancy announcements and related qualification information can be obtained by calling (301) 496-4231 or at <http://ohrm.niddk.nih.gov/employment.html>.

The deadline for applications is May 31, 2000. Submit a CV, bibliography, and supplemental qualifications statement to: **Mr. Ronald Sleyo, Office of Human Resource Management, NIDDK, NIH, Building 31, Rm. 9A34, 31 Center Drive MSC 2560, Bethesda, MD 20892-2590.** Email: sleyor@extra.niddk.nih.gov

U.S. Citizenship is Required
The NIH is an Equal Opportunity Employer
Minority and Women Applicants are Encouraged to Apply



MAYO CLINIC POSTDOCTORAL POSITION

A postdoctoral position is available from July 2000 onwards to analyze acetylation of ETS transcription factors by the coactivators CBP/p300, to identify novel ETS cofactors, or to generate ETS transgenic/knock-out mouse models. Research will be conducted in a well-funded, newly equipped laboratory supported by extensive core facilities.

The Mayo Clinic (www.mayo.edu/research/bmb) accommodates an interactive environment of more than 100 basic and clinical research groups in Rochester, chosen as one of the best places to live in the U.S. (www.RochesterUSA.com/). A highly competitive salary will be provided. If you want to join a young and dynamic team of scientists, please forward your curriculum vitae, statement of research interests and three letters of recommendation to:

Ralf Janknecht, Ph.D.
Department of Biochemistry and Molecular Biology
Mayo Clinic, Guggenheim 1501A
200 First Street SW
Rochester, Minnesota 55905, USA
Tel.: (+1)507-266-4393
e-mail: janknecht.ralf@mayo.edu

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There are universal
truths to **challenge**
and scientific **rules** to be bent.



At The National Academies, we bring about
advances that positively impact human endeavor.
We invite you to join our acclaimed team in
Georgetown.

Committee on Science, Engineering, and Public Policy

The Committee on Science, Engineering, and Public Policy of The National Academies is seeking a **Program Officer** to plan and organize policy studies in the area of science and technology policy. The initial focus of the Program Officer's activities will be the application of the Government Performance and Results Act to research that is supported by the Federal Government. Responsibilities include planning/organizing committee meetings and conferences; gathering, analyzing, and synthesizing research; writing report sections; planning outreach activities; and interacting with representatives from numerous public and private organizations.

Qualifications include a Ph.D. or equivalent, preferably in science and technology policy, and at least 1 year of related experience. Excellent communication skills and the ability to multi-task are required. This is an entry-level position. (179.107)

Board on Science, Technology, and Economic Policy

The Board on Science, Technology, and Economic Policy is seeking a **Program Officer** to provide a general portfolio of activities associated with a major project on Government-Industry Partnerships for the Development of New Technologies. Duties include identifying/researching policy issues related to high technology partnerships; preparing symposia and workshops on topics relevant to the program; identifying and working with senior national-level experts; preparing independent drafts of program materials; and collaborating in the preparation/response to the report review process.

Qualifications include a Master's degree or equivalent, related to public policy, including applied economics, industrial organization, and international trade, and 3-4 years of related experience. Requires a demonstrated ability to carry out organizational, analytical, and representation tasks, including research synthesis, meeting organization, and report drafting and editing. Ability to act as a liaison with public officials and private sponsors, and good knowledge of the Washington policy process is essential. Previous experience in an executive agency or congressional office is desirable. Excellent communication skills are key. (148.010)

For consideration, please forward your resume and salary requirements, in confidence, to: **The National Academies, (Insert Job Code), Room GR 146, Attn: DS, 2101 Constitution Avenue, NW, Washington, DC 20418.** Fax: (202) 334-1746. E-mail: ohrresum@nas.edu EOE, M/F/D/V.

www.national-academies.org

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**MOUNT SINAI
SCHOOL OF
MEDICINE**

POSTDOCTORAL OPPORTUNITIES

Mount Sinai School of Medicine is internationally recognized as a prestigious institution for learning and research. We have two postdoctoral opportunities for curious, talented and highly motivated individuals:

NEURONAL PATHWAYS/OBESITY

The selected candidate will study neuronal pathways that regulate obesity (Neuron 23:537-548, 1999 and 25:265-268, 2000). A background in molecular and cellular biology and/or biochemistry is desirable. Send C.V., description of research experience and names of three references, to: Dr Stephen Salton, Fishberg Center-Neurobiology, Box 1065, Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, NY 10029.

IMMUNOLOGICAL THERAPIES

You will be involved in developing new forms of immunological therapies such as DNA vaccination and cytokine gene therapy for the treatment of allergic diseases such as food allergy in an animal model system. Applicants should have a Ph.D. with research experience in molecular biology and immunology, supported by enthusiasm and a commitment to applied and basic research in food allergy. The ability to communicate fluently in English is required, as is the availability to start immediately. Send C.V. to: Ms. Park, Administrator, Pediatric Allergy and Immunology, Box 1198, Mount Sinai School Of Medicine, One Gustave L. Levy Place, New York, NY 10029-6574. Fax: 212-426-1902.

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MAYO CLINIC

POSTDOCTORAL RESEARCH; SIGNAL TRANSDUCTION TRANSPLANTATION BIOLOGY RESEARCH PROGRAM

A position is available beginning immediately for a postdoctoral research fellow to work with Dr. Karen E. Hedin of the Transplantation Research Program, in the Departments of Surgery and Immunology, at the Mayo Clinic in Rochester, Minnesota.

Research will focus on characterizing the molecular mechanisms and biological impact of chemokine signal transduction in T lymphocytes and endothelial cells, and on understanding how these signaling pathways regulate important biological processes, including lymphocyte immune activation, cytokine gene expression, endothelial cell activation, tumor formation, and the rejection of transplanted organs.

Applicants must have a Ph.D. and/or M.D. and experience using molecular biological and/or biochemical laboratory techniques. A background in signal transduction or immunology would be helpful. The ideal applicant will be excited about doing cutting-edge basic science research within an interactive group of basic and clinical scientists that are focused on developing practical approaches to xenotransplantation. For more information, visit the website of Dr. Hedin at: http://www.mayo.edu/research/people/3/31804_hedin/ and the website of the Mayo Transplantation Biology Research Program at: http://www.mayo.edu/research/transplantation_biology/resources/. To apply, please send a letter of application and curriculum vitae to:

**Karen E. Hedin, Ph.D.
Mayo Clinic
Transplantation Research
Medical Sciences Building, 2nd Floor
Rochester, MN 55905**

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



COLUMBIA UNIVERSITY'S

BIOSPHERE 2

CENTER

**COLUMBIA UNIVERSITY
ANNOUNCES**

A DIRECTOR OF EDUCATION POSITION AT ITS WESTERN CAMPUS THE BIOSPHERE 2 CENTER, ARIZONA

Columbia University will expand its Arizona campus education programs over the next five years. In addition to the initial focus on Earth Science, Conservation Biology, and Environmental Policy & Management, the education programs will include astronomy and astrophysics, environmental chemistry and engineering, and a professional master's program. The Biosphere 2 Center (B2C) facility is also supported by a variety of laboratories and sits on a 250+ acre campus located at the base of the Santa Catalina Mountains, just north of Tucson.

We are conducting a search for the Director of Education of the Biosphere 2 Center campus. The position will carry an adjunct professorial title in an appropriate department at Columbia University. The successful candidate must be an experienced educator capable of managing and developing broad multidisciplinary science and technology programs and related educational development activities.

Experience in constructive partnerships with a variety of institutions, including the academy, the private sector, and federal agencies, is highly desirable. It is expected that the Director of Education will also participate in teaching and research in appropriate ways. Candidates should have an earned doctorate; an established record of teaching, research and service; a 10 year record of academic administrative success; and a demonstrated commitment to academic excellence.

A letter of interest, highlighting the applicant's/nominee's leadership experience and educational philosophy, should be included with a CV, publication list, and names of at least five references. We hope to fill this position by 1 July 2000 but will continue to search until the position is filled. The initial appointment will be for a period of up to 5 years. Materials for this position should be sent to: **Human Resources, Biosphere 2 Center, P.O. Box 689, Oracle, AZ 85623** (www.bio2.edu). Columbia University's Biosphere 2 Center is an Equal Opportunity Employer and encourages women and minorities to apply.

At SUGEN, we foster a creative, energetic and team-oriented atmosphere to develop small molecule drugs using renowned drug discovery techniques. Our continued success has created an exciting opportunity for a select group of self-motivated professionals to join our talented team.

Scientist

Drug Discovery Biochemistry

The candidate will be responsible for the development/implementation of biochemical assays amenable to the identification and evaluation of small molecule inhibitors of kinases and phosphatases. A broad understanding of enzyme kinetic, modern screening technologies, and expertise in assay development is required. Familiarity with ELISA, SPA and fluorescence-based assay formats is essential. The qualified candidate must have a Ph.D. in biochemistry or a related discipline and 2-3 years' pharmaceutical or biotech experience. (Job Code: AR50362-S)

Medical Writer

You will prepare draft/final protocols, protocol amendments, informed consents, IND amendments, clinical interim, final reports, and IND annual reports; help summarize/interpret raw & derived clinical data; obtain pre-clinical information for inclusion in protocols, investigator brochures, etc.; and generate summaries of drug safety/activity. You will also review final protocols, medical reports, and Investigator Brochures prior to submission to health authorities; review medical/scientific publications; prepare corporate materials and medical information for patients/physicians; prepare clinical sections of submissions to FDA; provide medical writing support; assist with the study development/startup process (monitor manuals/site manuals); and attend meetings with CROs. Candidates must possess an MS in a scientific/health care discipline; 3-5 years of clinical research, nursing or pharmacology experience; demonstrated experience as a medical/scientific writer; PC proficiency; and excellent medical writing, organizational and communication skills. (Job Code: 50443-S)

Manager/Clinical Project Leader

You will help develop/execute clinical studies worldwide; generate Phase I-III clinical trial protocols, clinical trial reports, clinical sections of IND, NDA and regulatory submissions to health authorities; prepare clinical elements of corporate communications; work with clinical functional areas to determine FTE requirements/budgets; oversee study start up & completion; help facilitate the progress of trials; generate protocol amendments, informed consents, clinical interim and final reports; organize, summarize, and interpret derived clinical data; review protocol manuscripts for submission to scientific journals; obtain requisite preclinical information for protocols, investigator brochures, etc.; prepare drug activity summaries for selected patient populations; provide QC review for final protocols, medical reports, and Investigator Brochures; generate clinical sections of submissions to FDA (IND amendments, annual reports); and remain current on developments in the clinical research field. Candidates must possess an MS in a scientific/health care field; 5 years of relevant experience with clinical research, nursing or pharmacology (or less than 5 years' experience with doctorate degree); demonstrated expertise with medical/scientific writing (oncology preferred); PC proficiency; and excellent organizational, analytical and written/verbal communication skills. (Job Code: AH50255-S)

We will reward you with an attractive compensation and benefits package that includes a 1st class pension plan, a generous profit sharing/bonus program, weekly happy hours (TGIF), and a fun, collaborative work environment that encourages creativity and achievement. Please forward resumes and cover letters to: SUGEN, Inc, HR Department, Attn: (Job Code: _____), 230 East Grand Avenue, South San Francisco, CA 94080; fax: (650) 553-8301; email: jobs@sugen.com (MS Word docs only, please). EOE

SUGEN



Using Our Vision To Make A Difference

Who we are

At Roche Diagnostics, the world's leading diagnostics company, we continuously strive to delight customers with quality innovative systems, products and services for the research, diagnostics and patient care markets. There are no limits to innovation at Roche Diagnostics. We are a global company whose objective is achieved through the efforts of qualified people. Individuals with competitive spirit and commitment to Roche and its customers will be rewarded by challenging personal development opportunities.

Manager, Applications and Product Support

Within our active Research Center, you'll oversee a variety of scientific studies as well as a group of up to 10 scientists. Specific duties include developing assays, supporting software macro writing, achieving customer satisfaction and working closely with the Domestic and Global Marketing groups.

Who you are

... an analytical professional with a Ph.D. in the area of Chemistry, Biochemistry or Clinical Toxicology and 5-10 years' industrial experience. Candidates also need industrial IVD assay development experience (emphasizing diagnostic drug monitoring), an understanding of the diagnostic assay development process and the ability to perform assay troubleshooting. Preferred skills include experience applying homogeneous immunoassays to various high-volume analytical platforms. Knowledge of laboratory statistics is required plus advanced knowledge of computer software macro writing, basic design control concepts and the ability to establish time lines. Strong analytical, management and communication skills are a must along with a commitment to meeting end-user needs.

Who to contact

We offer an excellent compensation and benefit program including 401(k). Qualified candidates should send a resume, including salary requirements, to: **Roche Diagnostics, Applications Manager-45JL, 9115 Hague Road, Indianapolis, IN 46250.** Principals only please. Roche is committed to providing equal opportunity to a diverse workforce.

Faculty Positions in Nuclear Structure and Function

University of Connecticut School of Medicine

The newly created Department of Genetics and Developmental Biology at the University of Connecticut School of Medicine is seeking highly qualified individuals with an outstanding background in the application of fluorescent techniques to the analysis of nuclear geometry and gene expression. Areas of interest include but are not limited to interphase structure and organization, RNA synthesis and processing, DNA replication, chromosome dynamics in mitosis and meiosis as well as genetic and epigenetic mechanisms of gene regulation. Our current faculty includes five recent recruits working in diverse areas such as RNA processing and editing, signal transduction, skeletal biology, cell fusion and genetic imprinting.

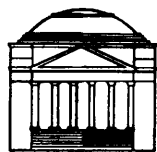
Applications are invited for positions at the Assistant, Associate or Full Professor level. Successful applicants will enjoy superb resources including generous start-up funds and space in a new research building. There are state-of-art core facilities for mouse transgenics and ES cell manipulation, nucleic acid sequencing, flow cytometry as well as an outstanding Center for Biomedical Imaging Technology that offers fluorescence widefield, confocal, 2-photon, and scanning probe microscopies as well as image processing expertise. Faculty will be expected to establish independent and innovative research programs that will attract extramural funding and to actively contribute to a rich scientific environment.

Candidates should apply by submitting a curriculum vitae and names of three references by July 31, 2000 to Marc Lalande, PhD., Professor and Chair, Department of Genetics and Developmental Biology.



University of Connecticut
Health Center/School of Medicine
263 Farmington Avenue • Farmington, CT 06030-3301

An Affirmative Action/Equal Opportunity Employer M/F/H/V/D/W



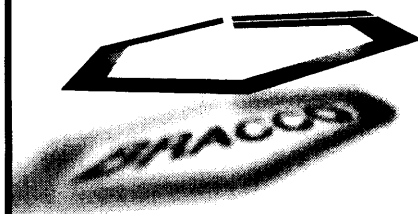
Major Development in Biomedical Engineering

Tenure Track Faculty Position
Department of Biomedical Engineering
University of Virginia

The University of Virginia, an established leader in research and education in biomedical engineering, invites applications for a tenure track faculty position at the assistant professor level. The department has undertaken a major expansion in both space and faculty supported by the School of Engineering and Applied Science and the School of Medicine as well as by grants from the Whitaker Foundation. We will move into a new Biomedical Engineering Building in 2001. The expansion is to dramatically enhance linkages between the two schools, with a special emphasis on blending technology and medicine as applied to vascular engineering. To complement our strong programs in vascular engineering, biomechanics, medical imaging and neural engineering, we seek faculty with skills in the broad areas of bioMEMS/nanotechnology, tissue engineering, computational biology, functional genomics, and molecular imaging. Areas of particular interest include gene chips, "smart" contrast agents, microsensing, molecular mechanics and microfluidics.

Candidates should hold a Ph.D. or equivalent degree in biomedical engineering or related engineering discipline. We encourage applications from individuals with interdisciplinary training and experience. Women and minorities are encouraged to apply. Applicants should send a curriculum vitae, a statement of research interests, and names, addresses, and emails of three references to: **T.C. Skalak, Chair, Search Committee, Department of Biomedical Engineering, P.O. Box 800759, University of Virginia Health System, Charlottesville, VA 22908, or tskalak@virginia.edu.**

Additional information can be found at www.med.virginia.edu/bme. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.



The leader in diagnostic imaging is becoming quite clear.

Bracco Research USA, the U.S. Research and Development labs of Bracco S.p.A., a world leader in contrast media for in vivo diagnostics, has an opening for a Research Associate Radiochemist in our Princeton, NJ laboratories.

Research Associate Radiochemist

The successful candidate will play a leadership role in the preparation, purification and characterization of novel radioactive complexes of technetium and other metals, develop analytical methods for the characterization of radioactive compounds, and assist in the formulation of potential new nuclear medicine based products. The candidate may also help to screen such compounds for their ability to interact with receptors and proteins associated with disease-related targets.

The qualified applicant must have a Ph.D. in Inorganic or Analytical Chemistry or a related discipline, plus 0-3 years of relevant postdoctoral experience. Experience in the chemistry of technetium or rhenium, skills in TLC and HPLC method development, the handling of radioisotopes and/or formulations research is highly desirable. Strong written and oral skills are required.

Bracco Research USA offers excellent salary opportunities and a competitive benefits program, which includes a tax sheltered income program, life insurance, major medical and dental coverage, and educational assistance. For consideration, please submit your resume with salary requirements and a cover letter to:

Catherine Berle,
Bracco Research USA, Inc.
305 College Road East,
Princeton, NJ 08540
FAX: 609-514-2446

Equal Opportunity Employer.



**EXECUTIVE DIRECTOR
Pacific Northwest Cancer Foundation**

The Pacific Northwest Cancer Foundation is seeking an Executive Director with experience and vision to lead the Foundation. The Foundation is broadly concerned with all aspects of human cancer, with special emphasis on prostate cancer.

We are looking for an individual with a distinguished record of scholarly activity and a commitment to excellence in research and clinical investigation. The Executive Director is responsible for overseeing and coordinating the Foundation's technical, financial, administrative, and scientific operations; developing appropriate scientific and programmatic agendas and strategic priorities to achieve the Foundation's objectives; identifying current and emerging needs and technologies in medical science and related fields and determining appropriate measures responsive to those issues and needs; providing administrative oversight of the Foundation's extramural Medical Advisory Board and other boards and committees which conduct studies and other activities; and fostering vigorous interdisciplinary efforts uniting our existing strengths with new technologies. The position requires proven leadership and strong interpersonal skills, including demonstrated ability to interact effectively with potential sponsors, physician collaborators, scientists, industry leaders, and government agencies. The candidate should hold a current medical license and a minimum of 10 years of directly related experience.

The position was created by the unexpected passing of our former Executive Director, Gerald P. Murphy, M.D., one of the founders of prostate specific antigen, the basis for the PSA blood test for early detection of prostate cancer.

The Foundation supports diversity among its members and strongly encourages women and minority candidates to apply. Please send resumes and salary requirements in confidence by May 25 to: **David G. Bostwick M.D., Chair, Search Committee, Pacific Northwest Cancer Foundation, 13758 Lake City Way NE, Suite 200, Seattle, WA 98125-3699, Website: www.pncf.org. Phone (206) 361-1360, Fax (206) 361-1362, bethsmit@pncf.org.**

Faculty Positions in Basic Research

The University of Texas M. D. Anderson Cancer Center

Research Trust Investigators

The University of Texas M. D. Anderson Cancer Center has recently established a Research Trust supporting a major recruitment effort to attract outstanding scientists. Several **TENURE TRACK FACULTY POSITIONS** at the rank of Assistant, Associate and Full Professor are now available in basic research. Support for the Trust will provide substantial start-up funding and stable research support for a period of five years. The successful candidates are expected to establish a vigorous independent research program that focuses on, but is not necessarily limited to, human cancer genetics, organogenesis, cell cycle control, the regulation of signal transduction pathways, control of cytoskeletal organization, genetically modified mouse models of cancer and human disease, mammalian genomics, the control of genome stability, or immunology. Research Trust Investigators will have the option to join the academic department of their choice. The M. D. Anderson Cancer Center, one of the largest comprehensive cancer centers, is located within the Texas Medical Center that is composed of numerous academic institutions and hospitals, all within walking distance of each other. This provides one of the largest and most interactive biomedical research communities in the world. Applicants should provide their curriculum vitae, a description of research interests, and the names, addresses, telephone numbers and email addresses of three references to:

**Dr. Margaret Kripke
Senior Vice President/Chief Academic Officer, Box 113
The University of Texas M. D. Anderson Cancer Center
1515 Holcombe Blvd.
Houston, TX 77030
713-745-4495**

UTMDACC is an Equal Opportunity Employer; smoke-free environment. Women and minority candidates are encouraged to apply.

**Vice President for Research and Graduate Education
The University of Texas at Dallas**

The University of Texas at Dallas invites nominations and applications for the newly created position of Vice President for Research and Graduate Studies. UTD, one of the nine general academic components of The University of Texas System, enrolls more than 10,000 students at its campus located in the heart of the complex of major multinational technology corporations known as the Telecom Corridor. Large numbers of UTD students are enrolled in graduate education, and UTD faculty members have an established tradition of scholarly achievement and extra-mural funding. The university offers strong undergraduate, masters and doctoral degrees through each of its seven large schools: Arts and Humanities, The Erik Jonsson School of Engineering and Computer Science, General Studies, Human Development, Management, Natural Sciences and Mathematics, and Social Sciences. This comprehensive breadth is complemented by an historical and authorized focus on engineering, management, and science. Research is carried out in these schools and in specialized research centers.

The Vice President for Research and Graduate Studies, reporting to the President through the Executive Vice President and Provost, will have the responsibility for promoting excellence in research, scholarship, and graduate education across the complete spectrum of academic disciplines and interdisciplinary activities, and for leadership in enhancing UTD's capabilities to support research and related activities by assisting faculty and administrators in securing increased levels of external support from federal, state and private sources. The Vice President will have the responsibility to explore new areas of research appropriate to UTD's mission, to develop additional links between UTD and the corporate community, and to facilitate the transfer of university-generated intellectual property to the private sector. The Vice President will have supervisory responsibility for The Office of Graduate Studies, led by the Dean of Graduate Studies, and the Office of Research Administration and Sponsored Projects, led by the Director of this Office.

The university seeks to appoint as its new Vice President for Research and Graduate Studies an individual with a record of involvement in the promotion and attainment of excellence in research and scholarship, and an appreciation of and sensitivity to the diversity of forms and circumstances in which research and scholarship can be manifested in the comprehensive research university of the 21st century. The appointee should have demonstrated leadership and administrative accomplishments in working, either within or external to the university environment, toward the objectives of increasing university research and building stronger relationships between universities and agencies that support and benefit from university research and graduate education. A crucially important responsibility for the Vice President will be representing the university to government, corporate and political leadership, both locally and nationally, in concert with the President, Executive Vice President, Deans and faculty.

The university is open to considering strong candidates for this position with a wide variety of career profiles. The essential criterion is documented high achievement in one or more domains of experience that strongly suggests the ability to enhance and expand research at UTD. Significant achievements in government, industry and consulting careers, as well as in academe, will receive full consideration. Professorial status and tenure will be an option for appointees so qualified. The salary for this appointment is open, and the starting date is negotiable. To be assured of full consideration, nominations or applications, including resumes, should be submitted by May 10, 2000. The search will continue until the position is filled. Letters of nomination and application should be submitted to:

**Chairman of the Search for Vice President for
Research and Graduate Education
Office of the Executive Vice President and Provost
The University of Texas at Dallas
P.O. Box 830688, M/S AD 23
Richardson, Texas 75083-0688**

The University of Texas at Dallas is an Affirmative Action/Equal Opportunity Employer

POSITIONS OPEN

DIVISION DIRECTOR INFECTIOUS DISEASES

The Department of Medicine at the University of Massachusetts and UMass Memorial Health is seeking a clinician-scientist to lead the Infectious Disease Division. The Division is an integral group within the Department of Medicine and includes both clinicians and clinician-scientists. Prospective candidates should have demonstrated excellence in teaching and clinical activities, as well as a significant record of accomplishment in the area of original research with a consistent record of extramural funding. Space in a new research building is available for laboratories for the Division Director as well as space and funds for recruitment of junior faculty. A generous start-up package and appointment at the level of **ASSOCIATE** or **FULL PROFESSOR** with tenure is available for qualified candidates.

For confidential consideration, please submit current curriculum vitae, bibliography, and statement of research interests to: **Robert Finberg, M.D., Chair, Department of Medicine, UMass Memorial Health System, 55 Lake Avenue, North, Worcester, MA 01655.** The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer with a strong commitment to fairness and diversity; accordingly, U Mass actively seeks and encourages applications from all individuals independent of gender, race, ethnicity, culture, sexual orientation, age, or disability.

FACULTY POSITION ANATOMY DEPARTMENT

The Department of Anatomy at Midwestern University seeks applicants for a tenure-track position at the level of **ASSISTANT PROFESSOR**. Applicants must have a Ph.D. or equivalent, postdoctoral training, and a commitment to excellence in teaching. Applicants are expected to establish an independent research program capable of attracting extramural funding. Preference will be given to individuals broadly trained in the anatomical disciplines, with an emphasis on human gross anatomy. Send curriculum vitae, references, and a statement specifying teaching interests and research plans to: **T. A. Dombrowski, Ph.D., Department of Anatomy, Midwestern University, 555 31st Street, Downers Grove, IL 60515.** Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.

GEOCHEMIST/PALEOCEANOGRAPHER. The Institute of Marine and Coastal Sciences and Department of Geology, Rutgers, The State University of New Jersey, invite applications for a joint tenure-track position (rank to be determined). The successful candidate will teach chemical oceanography and a course in his/her area of expertise, which should focus on biogeochemical/climate interactions and feedbacks, stable isotopic geochemistry, stratigraphy, paleoceanography, or global biochemical cycles. Expertise in isotope geochemistry, including ICP-MS techniques, highly desirable. Send curriculum vitae, statement of research interests and teaching philosophy, and the names of four references by May 26, 2000, to: **Chair, Department of Marine and Coastal Sciences, Rutgers, The State University of New Jersey, 71 Dudley Road, New Brunswick, NJ 08901-8521.** Rutgers is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR DEPARTMENT OF NEUROLOGY Oregon Health Sciences University

Immediate position available for Assistant Professor to join neuroimmunology research group. Cellular and molecular biology required, with experience in EAE preferred. Duties will include research, administration, and teaching. Salary \$60,000 plus full benefits. Curriculum vitae to: **Halina Offner, M.D., Professor, Neuroimmunology Research Research and Development-31, Portland VA Medical Center, 3710 S.W. U.S. Veterans Hospital Road, Portland, OR 97201.** Oregon Health Sciences University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR IN VIROLOGY

The Department of Microbiology and Immunology at the University of Oklahoma Health Sciences Center invites applications for a tenure-track position at the Assistant Professor or Associate Professor level in the discipline of virology. The successful candidate will be expected to develop an extramurally funded research program and participate in team-taught medical, dental, and graduate courses in the area of virology. The Department consists of 15 full-time faculty and maintains a multimillion-dollar research budget generated from more than 40 extramural grants and contracts. An outstanding training program is in place that supports 14 Postdoctoral trainees and 33 graduate students. The Department was awarded a nonhuman primate research resource program whose resources are available for investigator-initiated studies. The Department already has a strong research component in herpes viruses and HIV. Individuals in these areas are encouraged to apply; however, outstanding scientists in all areas of virology will be considered. A close working relationship exists among renowned Immunologists within the Department, the Oklahoma Medical Research Foundation, and the Dean McGee Eye Institute and provides the potential for additional interactions with prospective faculty candidates. For an overview of the Department, visit our website: www.ouhsc.edu/mi/. Minimum qualifications for this position are a Ph.D. in biological sciences. The preferred candidate will also possess postdoctoral experience in virology. Submit curriculum vitae, description of research interests, teaching experience, and the names of three references to: **Chair of the Search Committee, Department of Microbiology and Immunology, P.O. Box 26901, University of Oklahoma Health Sciences Center, Oklahoma City, OK 73190.** Applications will be reviewed beginning September 1, 2000. The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer. Applications from women and ethnic minorities are strongly encouraged.

The Division of Public Health Sciences of the Fred Hutchinson Cancer Research Center invites applications from biomathematicians with an interest in modeling biological processes relevant to carcinogenesis and/or AIDS. Familiarity with stochastic processes and statistical estimation procedures is expected. The position will be at the rank of either Assistant or Associate Member (equivalent, respectively, to **ASSISTANT** or **ASSOCIATE PROFESSOR** at a university). An established track record is required for a position at the Associate Member level. An appointment in an appropriate department at the University of Washington may be possible depending on qualifications and interests. The incumbent will be expected to conduct an active program of independent and collaborative research pertinent to the mission of the Center.

The Fred Hutchinson Cancer Research Center is a world-renowned research institution with large and active efforts in basic biological sciences, human biology, clinical research, epidemiology, biostatistics, and cancer prevention research. Its mission is the elimination of cancer as a cause of human suffering and death. The Center conducts research of the highest standards to improve prevention and treatment of cancer and related diseases.

Closing date for applications: June 15, 2000. Please send applications, including curriculum vitae, a letter describing research interests, and the names of four references to:

Suresh H. Moolgavkar, M.D., Ph.D.
Division of Public Health Sciences MP-665
Fred Hutchinson Cancer Research Center
1100 Fairview Avenue North
Box 19024
Seattle, WA 98109-1024

The Fred Hutchinson Cancer Research Center and the University of Washington are Equal Opportunity Employers. Both institutions are building culturally diverse faculty and strongly encourage applications from female and minority candidates.

POSITIONS OPEN

ASSISTANT PROFESSOR DEVELOPMENTAL BIOLOGIST

Creighton University has reopened the search for a Developmental Biologist and invites applicants for a tenure-track, nine-month appointment at the rank of Assistant Professor to begin in January or August 2001. Candidates should have completed a Ph.D. with a specialization in developmental biology. Postdoctoral/teaching experience is desirable but not required. The teaching load is four courses per year. Primary responsibilities include: a vertebrate embryology course with laboratory and an upper-division molecular developmental course with laboratory. In addition, the successful candidate will contribute a cell-level course complementary to the present departmental offerings. The successful candidate should possess a strong desire to teach in a liberal arts college. Mentoring of undergraduate research students is required. The individual must establish an effective and sustainable research program that leads to peer-reviewed publications required for tenure and advancement. To apply, send (1) curriculum vitae; (2) statements on teaching philosophy, research interests, background training and special skills, and long-term goals; (3) documentation (if available) of teaching effectiveness; (4) undergraduate and graduate transcripts; and (5) three letters of reference to: **James E. Platz, Chair of Search Committee, Department of Biology, Creighton University, Omaha, NE 68178-0103.** Applications should be complete by Friday, September 15, 2000. Creighton is a Jesuit Catholic institution that seeks qualified applicants from all backgrounds who believe they can contribute to the University's outstanding educational traditions. We encourage applications from women and minorities. Equal Opportunity Employer/Affirmative Action.

RESPIRATORY BIOLOGIST

The Department of Physiology and the Respiratory Sciences Center at The University of Arizona, College of Medicine, invite applications for a tenure-track position at the rank of **ASSISTANT PROFESSOR** or at the **ASSOCIATE PROFESSOR** level for exceptionally well-qualified candidates. Preference will be given to candidates with expertise in molecular genetic and cellular approaches to understanding functional aspects of asthma, allergic inflammation, or airway regulation. The successful candidate will be expected to establish a vigorous independent research program and contribute to teaching in graduate and medical systems physiology courses. Qualifications include the Ph.D., M.D., or equivalent and two or more years of postdoctoral training. Candidates with demonstrated experience in teaching and success in acquiring independent funding are especially encouraged to apply. Position is available beginning fall of 2000. Review of applications will begin April 28, 2000, and continue until the position is filled. Submit a letter of application, a summary of teaching and research goals, a curriculum vitae with the names of three references, and three reprints to: **Job Number 995172, Janis M. Burt, Ph.D., Head of the Search Committee, Department of Physiology, The University of Arizona, Tucson, AZ 85724-5051.** More information can be found at websites: www.physiol.arizona.edu/ and <http://www.resp-sci.arizona.edu/>. The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer.

Wildlife/Fisheries Biologist. California University of Pennsylvania welcomes applications for a tenure-track position at the **ASSISTANT PROFESSOR** level beginning August 2000. Send letter of application; full curriculum vitae; transcripts; military discharge papers (if veteran); and the names, addresses, telephone numbers, and e-mail addresses of three professional references to: **C. Allan Miller, Department of Biological and Environmental Sciences, 250 University Avenue, Box 45, California University of Pennsylvania, California, PA 15419.** Review of applications begins May 5, 2000, and continues until the position is filled. For a complete job description and requirements, visit the University website: <http://www.cup.edu/employ/faculty/default.htm>.

Science Advisor

Neuroscience at the New Millennium - Be a Part of It!

The National Institute of Neurological Disorders and Stroke, National Institutes of Health, seeks a neuroscientist to support its efforts to reduce the burden of neurological disease. Position in strategic planning/reporting/legislative office requires a doctorate degree or equivalent level of experience in neuroscience.

Successful candidates will have demonstrated ability in written and oral communications and in analysis of scientific and public policy issues.



Salary range \$51,204 to \$79,155,
depending on qualifications.
US citizenship required.

For application by fax call (800) 728 JOBS,
request Fax#5016 or via the NINDS homepage:
<http://www.ninds.nih.gov/hrb>.
Announcement #NS-00-0218.

For questions contact Mr. Jones at (301) 496-6334.
Applications are due by 5/19/00.

NINDS is an Equal Opportunity Employer.



POSTDOCTORAL POSITIONS

Genome Technology Branch
National Human Genome Research Institute
National Institutes of Health

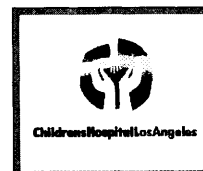
Postdoctoral research positions are available for individuals interested in mammalian genetics and genome analysis at the National Human Genome Research Institute (NHGRI).

- **Identification and Characterization of Genes Associated with Human Genetic Diseases**
- **Mammalian Chromosome Mapping and Sequencing**
- **Laboratory- and Computational-based Comparative Genome Analysis**
- **Sequence and Structure Analysis using Computational Techniques**

Information on research programs and investigators within the Branch can be found at: <http://www.nhgri.nih.gov/DIR/GTB>

Candidates should possess an MD and/or PhD and have less than five years of postdoctoral experience. Please send a letter, CV, and three letters of reference to: **Ms. Dana Jordan, NHGRI/NIH, 49 Convent Dr., Bldg. 49, Rm. 2C-72, MSC 4431, Bethesda, MD 20892** (or gtbody@nhgri.nih.gov).

The NIH is an Equal Opportunity Employer and applications by women and minorities are strongly encouraged.



Post-Doctoral Positions at Children's Hospital Los Angeles

Children's Hospital Los Angeles is the leading academic pediatric care institution affiliated with The Keck School of Medicine of the University of Southern California. Through the establishment of the Research Institute, which ranks among the top five pediatric research institutes in the country, the hospital is committed to fostering an environment of scientific excellence where biomedical research will lead to discoveries involving the molecular and clinical understanding of childhood development and diseases. The Research Institute is soliciting applications for 4 post-doctoral positions in the research programs listed below. The successful candidates should have a Ph.D., MD, M.D./Ph.D. or equivalent degree.

Developmental Biology Program

The successful candidate shall work collaboratively with Drs. David Warburton and Margaret Schwarz on the molecular basis of interaction between the processes of vasculogenesis and epithelial morphogenesis in the developing lung. Experience with embryonic organ culture, murine null mutation/transgenesis, competitive PCR and/or DNA arrays is desirable.

The John Connell Gene Therapy Program

Primary areas of focus of the program are genetic correction of hematologic and immunologic diseases, cancer and leukemia, HIV and diseases of the retina. The post-doctoral fellow will bridge multiple laboratories with studies of gene therapy for hemoglobinopathies, studying retroviral and lentiviral vectors using in vitro and in vivo models of erythropoiesis.

The Hematopoietic Stem Cell Biology Program

Basic research on the biology of hematopoietic stem cells (HSC) and translational research on stem cell transplantation are being performed in the program. Primary areas of focus are the characterization of genes that regulate HSC differentiation, proliferation, and survival; stromal cell biology; and lymphoid development and immunodeficiency. The post-doctoral fellow will bridge multiple laboratories in the program with studies of stem cell differentiation in vitro and in vivo.

The Cancer Program

Basic and translational research seeks to improve the understanding and treatment of childhood cancer and leukemia. Areas of research in Cell and Molecular Biology include regulation of cell proliferation, apoptosis/necrosis, differentiation, metastasis, and angiogenesis and in Developmental Therapeutics alkylating agents, retinoids, anti-angiogenesis therapy, and immunotherapy. The post-doctoral fellow will focus on developing new biotherapeutic strategies to effectively treat drug resistant cancer cells.

Interested individuals should submit their CV, a statement of their research interest and three letters of recommendation to: **Robertson Parkman, M.D., Director of the Research Institute, c/o Olga Yero, Children's Hospital Los Angeles, 4650 Sunset Blvd., MS #84, Los Angeles, CA 90027. For additional information, please contact (323) 669-4110.**

CHLA is an Equal Opportunity Employer. Women and minority members are encouraged to apply.

POSITIONS OPEN

ASSISTANT PROFESSOR: The Biochemistry and Cellular and Molecular Biology (BCMB) Department at the University of Tennessee at Knoxville seeks a macromolecular crystallographer to fill a tenure-track position at an Assistant Professor level. Opportunities for professional interaction include a strong core of structural biologists in the Department as well as at the University Medical Center, the Life Sciences Division at Oak Ridge National Laboratory (ORNL), and the UTK/ORNL Joint Institute for Neutron Science. Crystallography facilities in the BCMB Department include an in-house Raxis IV++ image plate detector mounted on a Rigaku rotating anode with osmic mirrors and Xtreme cryocooling. Teaching responsibilities will include efforts at both the undergraduate and graduate levels. Required qualifications include a Ph.D. with training and experience in X-ray crystallography as applied to problems in structural biology, two years of postdoctoral experience, significant scientific productivity, evidence of teaching experience, and a commitment to an integrated program of teaching and research. Interested candidates should send a résumé, a description of research experience and goals as well as teaching experience, and have three letters of recommendation sent to: **Mrs. Donna Doolittle, BCMB, WLS M407, University of Tennessee, Knoxville, TN 37996-0840. E-mail: jkoontz@utk.edu.** Review of applications will begin on June 1, 2000, and continue until the position is filled. *University of Tennessee at Knoxville is an Equal Employment Opportunity/Affirmative Action/Title VI/Title IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Institution in the provision of its education and employment programs and services.*

FACULTY POSITION BIOTRAUMA RESEARCH

The Department of Anatomy and Medical Education at The Ohio State University (**website: www.med.ohio-state.edu/ame**) invites applications to fill a tenure-track position at the **ASSISTANT PROFESSOR** level or higher. The successful applicant will be expected to establish an independent, externally funded program investigating the biomechanics of impact injuries and to collaborate with ongoing research in the Department in this area. The position requires participation in undergraduate, graduate, and/or professional courses in gross anatomy. Applicants should submit curriculum vitae, statements of research interest and teaching philosophy, and arrange to have three letters of reference sent to: **Chair, Faculty Search Committee, Department of Anatomy and Medical Education, 3168 Graves Hall, The Ohio State University, Columbus, OH 43210.** Review of applicants will begin on May 31, 2000. *The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.*

PROGRAM DIRECTOR ANIMAL REPRODUCTION/ANIMAL GROWTH AND NUTRIENT UTILIZATION

The National Research Initiative (NRI) Competitive Grants Program of the U.S. Department of Agriculture seeks a qualified scientist to serve as Program Director for grants administration in animal reproduction, growth, and nutrient metabolism. The incumbent will develop, implement, and manage programs, policies, and procedures for competitive research grants. Applicants must have an advanced degree with major study in general animal science or veterinary medicine or related disciplines such as animal agriculture, molecular genetics, reproduction, endocrinology, physiology, growth biology, or nutrient metabolism. *Candidates must be U.S. citizens.*

Applications must be postmarked by May 31, 2000. For program information, contact: **Dr. Peter Johnson; Telephone: 202-401-1896; e-mail: PJohnson@reusda.gov.** For information on application procedures, contact: **USDA's Human Resource Division; Telephone: 202-720-6130 or website: <http://www.ars.usda.gov/afm/hrd/vacancy/SOM-0643.htm>.** *USDA is an Equal Opportunity Employer.*

POSITIONS OPEN

RESEARCH ASSISTANT for southwest Ohio health care and research institution. Maintain and passage a number of transfected cell lines; design primers for cDNA sequences; optimize polymerase chain reactions (PCR); construct recombinant vectors/plasmid DNA (this includes selecting vectors expressing the gene of interest and choosing appropriate enzymes for restriction analysis, transforming and screening of bacteria, sequencing of transformed vectors, and generation of multiple DNA copies via plasmid purification); molecular analysis of transgenic mouse strains; perform SDS/polyacrylamide gel electrophoresis; optimize Western blotting and immunoprecipitation strategies (determine signaling pathways regulating chemokine gene expression); isolate cytoplasmic and nuclear protein from cellular sources; perform electrophoretic mobility shift assay (EMSA); biochemical analysis of cellular responses following transient transfection assays; survey radiation room; clean incubators and glassware; reagent purchase; reagent generation and order. Job requires M.S. in chemistry, cell and molecular biology, or biochemistry. In lieu of M.S. degree, employer will accept a B.S. degree in one of the named fields and two years of experience in the job described. Must have one graduate-level course or six months of experience in (1) recombinant DNA, (2) cell and tissue culture, (3) cellular development, and (4) cellular and molecular biology. Forty hours per week; 9 a.m.-5 p.m. Salary: \$29,848 per year. Send two résumés and cover letters (no calls) to: **ES Sp Programs, Reference Number 6068D, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.**

MACROMOLECULAR THERAPEUTICS UNIVERSITY OF UTAH

Research position (nontenure track) available June 1, 2000, in the laboratory of **Professor Jindrich Kopecek** (for further information, visit our **website: <http://www.pharmaceutics.utah.edu/Kopecek/>**). The successful applicant will be in charge of the evaluation of the mechanism of action of macromolecular therapeutics *in vitro* and *in vivo*. Experience in cell culture, gene expression, cell signaling, quantitative RT-PCR, and *in vivo* cancer models necessary. Experience in confocal fluorescence microscopy is highly desirable. Appointment at **RESEARCH ASSOCIATE** or **RESEARCH ASSISTANT PROFESSOR** rank. Send a cover letter, full curriculum vitae, and addresses of three references to:

**Jindrich Kopecek, Ph.D.
Professor and Chair
Department of Pharmaceutics and
Pharmaceutical Chemistry
University of Utah
30 South 2000 East Room 301
Salt Lake City, UT 84112
E-mail: Jindrich.Kopecek@m.cc.utah.edu
*Affirmative Action/Equal Opportunity Employer.***

SENIOR RESEARCH ASSOCIATE

The Department of Pediatrics, Rainbow Babies and Children's Hospital, Case Western Reserve University, is soliciting applications for Senior Research Associate within a well-developed research community studying the neuronal network involved in respiratory control during development. Applicants should have a Ph.D. or M.D. and at least two years of postdoctoral experience in neurobiology, immunohistochemistry, *in situ* hybridization, and *in situ* PCR. Submit curriculum vitae, statement of research interests, and names of three references to: **Musa Haxhiu, M.D., Ph.D., Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106. E-mail: mah10@po.cwru.edu.**

Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer. Qualified women and minority candidates are encouraged to apply.

POSITIONS OPEN

COORDINATOR OF THE PHYSICIAN ASSISTANT PROGRAM (Associate Professor, Tenure Track)

Duties: To direct a newly developed Physician Assistant Program with professional vision and academic leadership. Successful candidate will be responsible for program administration and development, securing professional accreditation, coordination of programmatic arrangements with affiliate hospitals, teaching undergraduate courses, selecting and developing faculty and staff, conducting research, student advisement, curriculum development, grant writing, and participating in departmental and college committees and activities.

Qualifications: Master's degree in one of the relevant fields, appropriate specialized experience and professional licensure, registration or certification to meet qualifications to practice in the Physician Assistant field in New York state. A record of quality scholarship, college-level teaching, and service in the field are required; Ph.D., Ed.D., or Sc.D. preferred. Must be able to work and communicate effectively with students, faculty, external organizations, and a diverse community and demonstrate experience with program development, grantsmanship, teaching effectiveness, and the ability to publish in peer-review journals.

Salary: \$42,616 to \$71,818 commensurate with qualifications and salary history.

To apply: Open until filled. Review of applications will begin May 11, 2000. Send two copies of your application (cover letter, résumé, list, a concise description of research interests and teaching experience) along with the names, addresses, and telephone numbers of three references to: **Code: PA, York College/CUNY, Office of Faculty and Staff Relations, 94-20 Guy R. Brewer Boulevard, Jamaica, NY 11451. FAX: 718-262-2717. Visit our website: www.york.cuny.edu/~hmr or visit CUNY at website: www.edu/abtcuny/cunyjobs.** *An Equal Opportunity/Affirmative Action/IRCA/Americans With Disabilities Act Employer.*

MOLECULAR GENETICS THE CLEVELAND CLINIC FOUNDATION

We are seeking outstanding candidates to fill several faculty positions. Qualified **ASSISTANT** and **ASSOCIATE STAFF CANDIDATES** will be expected to establish independent research programs in areas of molecular genetics that relate to the development of human disease. At this time no specific area of genetics is being targeted, although strong clinical support is available for candidates working in the fields of neurogenetics, cardiovascular genetics, cancer genetics, and the genetics of metabolic disorders. We are also interested in individuals using microarray technology for the analysis of the development of human disease. The successful candidates ideally should have an established record of obtaining competitive funding and supervision of a research program. The Center for Molecular Genetics currently has strong programs in cancer genetics, clinical genetics, and the genetics of heart disease. A phased program of recruitment over the next four years is designed to further broaden the areas of genetics research undertaken in the Institute. Excellent salaries and benefits, together with generous start-up support for equipment supplies and personnel, are available.

Applications, including curriculum vitae, a statement of research interests, and names of three references, should be sent to:

**John K. Cowell, Ph.D., Chairman
Molecular Genetics Search Committee/ND40
Lerner Research Institute
Cleveland Clinic Foundation
9500 Euclid Avenue
Cleveland, OH 44195**

RESEARCH COORDINATOR wanted by medical research facility in New York, New York. Must have M.S. in biology, molecular biology, or related field and one year of research experience. Respond to: **Dr. Andrea Weintraub, Box 1508, Mount Sinai Medical Center, 1 Gustave L. Levy Place, New York, NY 10029-6574.**



the University of Health Sciences

ANATOMIST MOLECULAR GENETICIST/ BIOLOGIST PHARMACOLOGIST

The University of Health Sciences College of Osteopathic Medicine invites applications for three **ASSISTANT OR ASSOCIATE PROFESSOR** faculty positions which are available immediately.

ANATOMY

Under the direction of the Chair of Anatomy, this individual will teach human gross anatomy (lecture and laboratory dissection) and histology in the Department of Anatomy. Qualified candidates will have a Ph.D. in Anatomy or related discipline with experience in teaching anatomy and histology. All inquiries will receive a written response and submitted information will be forwarded to Robert E. Stephens, Ph.D., Chair, Search Committee.

MOLECULAR GENETICIST/ BIOLOGIST

Under the direction of the Chair of Biochemistry, this individual will teach molecular genetics/biology. Qualified candidates will have a doctorate degree and postdoctoral research and teaching experience. All inquiries will receive a written response and submitted information will be forwarded to Douglas R. Rushing, Ph.D., Chair, Search Committee.

PHARMACOLOGIST

Under the direction of the Chair of Pharmacology, this individual will teach medical pharmacology. Qualified candidates will have a Ph.D. in Pharmacology or a Pharm.D. degree and postdoctoral teaching and research experience. All inquiries will receive a written response and submitted information will be forwarded to Douglas R. Rushing, Ph.D., Chair, Search Committee.

The candidates filling these positions must have a strong interest and commitment to teaching medical students. Research and/or other scholarly activities are expected in addition to teaching and University service. We are looking for positive team players with exemplary professional and personal characteristics.

Salary and rank will be commensurate with experience and qualifications. We offer an outstanding benefits package including dollar for dollar match on the retirement plan. Applications will be reviewed until successful candidates are identified. Please send a letter of interest, curriculum vitae, a statement of teaching philosophy, a statement of research interests, and the names, addresses, and telephone numbers of three references to:

Susan M. Schmidt
Assistant Director of Human Resources
the University of Health Sciences
1750 Independence Ave.
Kansas City, MO 64106-1453
E-mail: cenyumart@alum.uhs.edu
in word format only, please
Phone: 1-800-234-4847
Fax: 816.283.2285
www.uhs.edu

EOE

NIH/NCI

Scientific Review Administrators

Opening Date: 03-27-00

Closing Date: 04-24-00

The Division of Extramural Activities of the National Cancer Institute (NCI), National Institutes of Health, is seeking several individuals to join a multidisciplinary group of Scientific Review Administrators to manage the initial peer review of research grant applications submitted to the NCI. These activities are based in Rockville, Maryland, a suburb of Washington, DC, but some travel (site visits) will be involved.

Application information is listed in the specific vacancy announcement indicated below. Candidates should have independent research experience and expertise in current methods of cancer research in one or more of the areas listed. Candidates should also be familiar with the NIH grant application, review, and support process. Candidates must be United States citizens. The salary range for these positions is \$51,204 to \$96,769 (2000 rate with locality).

Number of Vacancies – 3

Position Titles: Positions will be selected from the following titles/series: Medical Officer, Biologist, Microbiologist, Health Scientist Administrator and Chemist.

Seeking applicants possessing experience and expertise in the following areas:

1. Biomedical technology development, imaging and/or bioinformatics as applied to cancer research.
2. Molecular or cellular biology of cancer pathogenesis, developmental therapeutics, and/or molecular pharmacology of therapeutics with applications to cancer.
3. Translational and/or clinical oncology research in cancer biology, detection, diagnosis and/or treatment.

To obtain information about the application process or documents required for consideration for any of these positions, candidates may contact the **National Cancer Institute, Office of Human Resources and Consulting Branch**, at 301-402-2789 and reference vacancy announcement number, NCI-00-3113. To obtain a fax of this information, call 1-800-728-5627 or 301-594-2953 and enter the fax ID number 1949. The announcement is also listed on the NIH CareerHere website at the following URL address: <http://careerhere.nih.gov>.

Selection for these positions will be based on merit, with no discrimination for non-merit reasons such as race, color, gender, national origin, age, religion, sexual orientation, or physical or mental disability. The NCI/NIH is an equal opportunity employer.



University of
Massachusetts
Amherst

VICE CHANCELLOR FOR RESEARCH

The University of Massachusetts Amherst seeks a dynamic, visionary leader with a record of professional experience and accomplishment to lead the University's research faculty and programs into the 21st century. Amherst, the flagship campus of the five-campus University of Massachusetts system and home to 1,200 faculty, 19,000 undergraduate and 6,000 graduate students, is poised to enhance its stature as a leading public research university. UMass Amherst is a Carnegie Research I, land-grant institution with external support in excess of \$75 million annually for research and scholarship.

As the chief research officer of the campus, the Vice Chancellor for Research advances the research mission of the University and represents the institution's research interests to federal and state governments, to industry, and to other national and international constituencies. The Vice Chancellor oversees all policies and procedures relating to research, technology transfer, and economic development, and works closely with the faculty to encourage and support research and scholarly activities. The Vice Chancellor for Research reports to the Senior Vice Chancellor for Academic Affairs and Provost, and works with the Provost and others to develop strategic directions and financial strategies that promote the full academic mission of the University.

The Vice Chancellor for Research has administrative responsibility for the offices of Research Affairs; Grant and Contract Administration; Technology Transfer; Science and Technology Advancement; Economic Development; and Animal Care; and for the University Press. Please see <http://www.umass.edu/research> for further information.

Qualifications for the position include:

- A distinguished record of research and scholarship appropriate for appointment as a tenured full professor in an academic department of the University;
- A strong and well-articulated research vision and a thorough understanding of the mission of a major land-grant research and teaching institution;
- A strong and enthusiastic commitment to the campus's strategic priorities, which include teaching and learning, advancing research and graduate education, promoting economic development, and embracing diversity and pluralism;
- The demonstrated ability to work effectively with faculty members, students, staff, administrators, and public and private funding agencies;
- Full understanding of the contributions and requirements of scholars from all fields;
- Familiarity with university patents and licensing.

The appointment will be effective on or about January 1, 2001. To ensure full consideration, nominations and applications, including vitae, research vision statement, and the names and addresses of three references, should be received by June 1, 2000. Acceptance of nominations and applications will begin immediately and continue until the position is filled. Please send nominations and applications to: **Vice Chancellor for Research Search Committee, Office of the Senior Vice Chancellor and Provost, 362 Whitmore Administration Building, University of Massachusetts, Amherst, MA 01003.**

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

POSITIONS OPEN

Academic medical oncology: The Department of Medicine/Division of Medical Oncology at the University of Texas Health Science Center at San Antonio (UTHSCSA) is recruiting for several new faculty members at the rank of **ASSISTANT PROFESSOR, ASSOCIATE PROFESSOR, or PROFESSOR**. Applicants should be Board-certified/Board-eligible in medical oncology. The successful applicants will have the ability to conduct independent basic or clinical research. Current faculty members have intensive research efforts in investigational drug development, clinical use of biological response modifiers, identification and function of tumor suppressor genes, chemoprevention, and the molecular and cellular biology of breast cancer. Special programs in San Antonio include an NCI Comprehensive Cancer Center support grant, an NCI grant for Phase I new anticancer agents, and institutional membership and operations office for SWOG. The successful applicant's research program may take advantage of the opportunities available in these areas. *The applicant must also be a U.S. citizen or permanent resident and be eligible for medical licensure in Texas.* Interested applicants should send a letter describing their research interests and curriculum vitae to: **Geoffrey R. Weiss, M.D., Medicine/Medical Oncology, University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, Mail Code 7884, San Antonio, TX 78229-3900. E-mail: geoffrey.weiss@med.va.gov.** The UTHSCSA is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS DEPARTMENT OF NEUROBIOLOGY AND ANATOMY University of Rochester

Applications are invited for tenure-track **ASSISTANT/ASSOCIATE PROFESSOR** positions. The Department maintains a leading role within an extensive multidisciplinary neuroscience community and is now recruiting faculty with research interests in network or cellular processing of sensory, motor, and integrative functions; adaptive plasticity and learning; and neuroengineering. Applicants should have a Ph.D. and/or M.D. and should have established an independent research laboratory following training in neuroscience. Successful candidates will participate in teaching activities in the graduate neuroscience program and in the medical school and will build a productive, independent, and externally supported research program. Competitive start-up packages are included. Salary is commensurate with rank and experience. Appointments may begin after August 2000. Applications, including curriculum vitae, statement of career goals, at least three letters of recommendation, and several publications, should be sent to: **Gary D. Paige, M.D., Ph.D., Chair, Department of Neurobiology and Anatomy, University of Rochester, 601 Elmwood Avenue, Box 603, Rochester, NY 14642.** The University of Rochester is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION WALTHER CANCER INSTITUTE

The Walther Cancer Institute, a joint operation with Purdue University Cancer Center, has a Postdoctoral position to study the apoptotic cell death pathways activated by p53 and Bcl-2 tumor suppressors. Highly motivated candidates with Ph.D. or equivalent degree and a maximum of three years of postdoctoral training in molecular genetics, protein chemistry, and/or cell biology are encouraged to apply. Preference is given but not limited to applicants with experience in gene regulation, signal transduction, and/or peptide phage display analysis (see *Int. J. Cancer* 85:376, 2000; *Oncogene* 18:3564, 1999; *J. Biol. Chem.* 273:31453, 1997; *Oncogene* 15:887, 1997; *Nat. Genet.* 14:69, 1996). Please send curriculum vitae, a description of research proposal, and names and addresses of three references to: **Daitoku Sakamuro, Ph.D., Walther Cancer Institute, Purdue University Cancer Center, 1333 Pharmacy Building, West Lafayette, IN 47907. E-mail: daitoku@pharmacy.purdue.edu.** The Walther Cancer Institute is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

RESEARCH SCIENTIST THE UNIVERSITY OF TEXAS INSTITUTE FOR GEOPHYSICS

The University of Texas Institute for Geophysics (UTIG), founded in 1972 by geophysicist and oceanographer Maurice Ewing, is an organized research unit within the University of Texas system under the auspices of the College of Natural Sciences. Organized research units enhance the University's ability to fulfill its mission of education and research by providing opportunities for faculty and staff to undertake research, often involving graduate and undergraduate students, that does not easily fall within the framework of an academic department and its programs. The institute has a staff of over 25 scientists at the Postdoctoral, Research Associate, Research Scientist, and Senior Research Scientist levels. The support staff of over 30 people includes engineers, systems analysts, technicians, and administrative personnel. Research activities are carried out worldwide and include large-scale multi-investigator, multi-institutional programs that require extensive coordination and logistic support.

The main strengths of UTIG lie in marine and airborne geophysics, seismology (including seismic processing theory), and plate reconstruction. UTIG seeks a Scientist as leader of a new initiative in computational paleoclimatology. This position will be filled at either the **RESEARCH SCIENTIST** or **SENIOR RESEARCH SCIENTIST** level with a person interested in interacting with the existing staff and developing a research program that will interface with ongoing programs in the ocean basins and continents, including studies of the Antarctic ice sheet and its bedrock. Funds will immediately be made available for the successful applicant to hire an additional Scientist in the field of computational paleoclimatology at the Postdoctoral Fellowship level and also to support a graduate student.

Candidates should send curriculum vitae, including the names of three references with e-mail contact information, to:

**Paul L. Stoffa, Director
Institute for Geophysics
4412 Spicewood Springs Road, Building 600
Austin, TX 78759-8500**

Visit our website: <http://www.ig.utexas.edu/>.
UTIG is an Equal Opportunity/Affirmative Action Employer.

Biology VISITING ASSISTANT PROFESSOR. Primary teaching responsibilities are cell biology/molecular biology lecture and laboratories and introductory biology. Preference will be given to a cell biologist who can apply molecular techniques to a broad range of biological problems and assist faculty, undergraduate, and Master's level research students in basic molecular techniques. Ph.D. required. Applicants should submit (1) a letter of application highlighting work experience and accomplishments relevant to the position; (2) a résumé; and (3) the names, addresses, and telephone numbers of five professional references to: **Dr. Bonnie Amos, Department of Biology, Angelo State University, San Angelo, TX 76909.** Official transcripts will be required of applicants selected for interview. For additional information, see website: <http://www.angelo.edu/jobs/990342.htm>.

POSTDOCTORAL POSITION is available to study the role of G protein-coupled receptor signaling in calcium metabolism and in novel nongenomic effects of steroids. Molecular biology is used to study two systems: calcium sensor receptor signaling and steroid-induced G protein-coupled signaling mediated at the membrane. Specifically, we are interested in progesterone-induced maturation of xenopus oocytes. Send curriculum vitae and the names and addresses of three references to: **Stephen Hammes, M.D., Ph.D., University of Texas Southwestern Medical Center, Division of Endocrinology and Metabolism, 5323 Harry Hines Boulevard, J6.110, Dallas, TX 75390-8857 U.S.A. E-mail: stephen.hammes@email.swmed.edu.**

POSITIONS OPEN

RESEARCH POSITIONS MOLECULAR ONCOLOGY

Applications are invited immediately for several **GRADUATE (PH.D.)** and **POSTDOCTORAL RESEARCH POSITIONS** to work on the control of viral oncogenesis by interferons and genotoxic stress (*EMBO J.* 16:1291-1304; *Mol. Cell. Biol.* 19: 2475-2484; *Oncogene* 18:2690-2702; *Oncogene* 18: 5727-5737). Candidates with a very strong background in the areas of molecular and cellular biology, virology, and protein biochemistry are encouraged to apply. Salary will be based on work experience and qualifications. Curriculum vitae, a statement of work experience and interests, and at least two letters of reference should be sent, preferably by mail, to: **Dr. Antonis E. Koromilas, Lady Davis Institute-McGill University, Jewish General Hospital, 3755 Cote Ste-Catherine Street, Montreal, QC H3T 1E2 Canada. FAX: 514-340-7576; e-mail: akoromil@ldi.jgh.mcgill.ca.**

ASSISTANT/ASSOCIATE PROFESSOR OF NUTRITIONAL BIOCHEMISTRY/ MOLECULAR NUTRITION University of Arizona

Tenure-track, research/teaching appointment (75%/25%). Successful candidates expected to develop nationally competitive research program in biochemical nutrition or molecular mechanisms of nutrient function in health and disease. Applicants using transgenic approaches in nutrition/medical research problems or for nutritional enhancement of foods especially encouraged. Application review begins 3 April 2000 and continues until position filled. Send complete curriculum vitae, including three references and statement of research interests, to: **Dr. Fred Wolfe, Head, Department of Nutritional Sciences, University of Arizona, Tucson, AZ 85721.** University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer; Minorities/Women/Disabled/Veterans.

DIABETES RESEARCH

The Center for Diabetes Research at Case Western Reserve University and the VA Medical Center invite applications for a **FULL-TIME FACULTY POSITION** (Ph.D. or M.D.) to study complications of diabetes. All research areas pertaining to diabetic complications are relevant. The successful candidate will maintain a funded and independent research program. Applicants should send curriculum vitae, statement of research interests, and three letters of reference to: **T. Kern, Ph.D., Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-4951. E-mail: epc2@po.cwru.edu.** Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer.

MICROSCOPIST

The Scripps Research Institute (TSRI) is seeking an experienced Microscopist for our modern and expanding biomedical imaging facility. Responsibilities include teaching/developing confocal and deconvolution microscopy. Experience in immunocytochemistry and UNIX is essential, and experience with histology/cell biology is a major plus. Please reference *Science* in cover letter and send to: **TSRI, 10550 North Torrey Pines Road, TPC-11, La Jolla, CA 92037. E-mail: resumes@scripps.edu. FAX: 858-784-8071; website: www.scripps.edu.** Affirmative Action/Equal Opportunity Employer.

PULMONARY MORPHOLOGIST

POSTDOCTORAL RESEARCH FELLOWSHIP within a multidisciplinary group of respiratory biologists probing pulmonary microvasculature mechanics and lung physiology. Applicant must have a strong microscopy/morphology background. While demonstrated knowledge of respiratory physiology is a plus, it is not mandatory. Contact: **Dr. Rick Rogers, Biomedical Imaging Laboratory, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115-6021. FAX: 617-432-3468; E-mail: postdoc@bioimaging.harvard.edu.**



The National Institutes of Health, The National Institute on Aging, Laboratory of Clinical Investigation, Section of Hematology/Oncology is currently recruiting

for two postdoctoral positions. Post-doctoral positions are available in the following areas for those with less than 5 years postdoctoral training:

- To study the function of the transcription factor c-myc in epithelial or hematopoietic cell proliferation and differentiation. Successful candidate should hold Ph.D., M.D., or equivalent degree with experience in basic cell or cell and molecular biology.
- To study effects of kinase function and chemotherapy sensitivity in breast cancer. Successful candidate should hold Ph.D., M.D., or equivalent degree with experience in pharmacology and cell biology.

To apply, please send curriculum vitae with publication list and three letters of recommendation to:

**National Institute on Aging
Attn: HOS Box 29
5600 Nathan Shock Drive
Baltimore, MD 21224-6825**

Please include position of interest in cover letter.

NIA is an equal opportunity employer.



Faculty Positions - Biosensors

The University of Maine is expanding its program in sensor technology through the initiation of an effort focused on biosensor development. Support for this project comes from a recently awarded NSF infrastructure grant supplemented by committed funding from the University. Applications are invited for **one tenureable senior faculty position** and **two non-tenure track research faculty positions** to start as early as July 1, 2000. Candidates must possess a doctoral level degree and a record of research productivity in a relevant scientific discipline such as surface chemistry, polymer science (molecular imprinting), electrochemistry, protein, nucleic acid (aptamer), or carbohydrate synthesis and characterization, electrophysiology, optoelectronics, or biophysics. Specific experience in R&D of biosensors is helpful but not required. Candidates for the senior position must have a demonstrated ability to obtain external funding and sustain a vigorous, vital research program, and participate effectively in teaching at the graduate and undergraduate levels. The successful candidate will hold a joint academic year appointment in the Laboratory for Surface Science & Technology (LASST, an on-campus interdisciplinary program in surface and interface science) and an appropriate academic department. He or she will have a critical role in coordinating the University's expansion in the biosensor arena. Non-tenure track research professors will hold 12-month appointments in LASST with available funding for three years. The ability to acquire external funding may allow these positions to evolve into on-going academic appointments. Significant opportunities for collaboration with the burgeoning chemical / biological sensor industry are also available. Technical support, laboratory space, and significant start-up funds will be provided for all three positions. Salary range and rank for all positions will be commensurate with qualifications and experience. Review of applications will begin May 15, 2000. Women and minorities are encouraged to apply. Candidates should submit a letter of application stating which position they are applying for, curriculum vitae, description of research accomplishments, research plan, several representative publications, and the names and addresses of at least three references to:

**Biosensor Faculty Search Committee
The University of Maine
Laboratory for Surface Science & Technology
5764 Sawyer Research Center
Orono, ME 04469-5764
Tel. (207) 581-2254; Fax. (207) 581-2255.**

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

A member of the University of Maine System



X-RAY CRYSTALLOGRAPHER

The Department of Physiology & Biophysics (P&B) and the Sealy Center for Structural Biology (SCSB) at the University of Texas Medical

Branch (UTMB) invite applications for a tenure-track position as **Assistant Professor in P&B and member of the SCSB**. The successful candidate will be associated with the **Program on Membrane Proteins** which is partially supported by a Howard Hughes Medical Institute award. Candidates must possess a Ph.D. or equivalent degree, experience in X-ray crystallography and outstanding potential for long-term extramural research support. The recruit will join the newly-established Membrane Protein Laboratory (headed by Drs. Ehud M. Landau and Javier V. Navarro) and develop an independent, vigorous research program on membrane proteins that will reinforce, in a collaborative manner, the existing strengths of the laboratory. The recruit will also participate in the training of students, postdoctoral fellows and visiting scientists.

Members of the Membrane Protein Laboratory (MPL) are currently overexpressing, purifying and crystallizing membrane proteins and are applying genetic, biophysical and X-ray crystallographic methods converging on a structure-based approach to elucidate the mechanisms of membrane protein function. State-of-the-art equipment and expertise in molecular biology, biochemistry, spectroscopy, X-ray diffraction and computation are available in the MPL and the SCSB. A generous startup package will be provided to the successful candidate.

Please send current curriculum vitae and publication list, a concise statement of research interests and the names and addresses of three references to: **Ehud M. Landau, Ph.D., Professor and Search Committee Chair, Department of Physiology & Biophysics, 301 University Blvd., UTMB, Galveston, Texas 77555-0641, emlandau@utmb.edu** UTMB is an affirmative action/equal opportunity employer, M/F/D/V.

UTMB

The University of Texas Medical Branch at Galveston

EUROPEAN OPPORTUNITIES

Department of
Biological Sciences

Postdoctoral Research Position in Molecular Medicine

A 2 year post, funded by the Sir Jules Thorn Charitable Trust, to study the modulation of the contractile activity of human myometrium.

You should have a PhD in a related subject and experience in Biochemistry.

Informal enquiries to Professor Steve Thornton (tel: 024 7657 2747; fax: 024 7652 3568; e-mail: cnst@dna.bio.warwick.ac.uk).

Salary on the RA1A scale: £16,286 - £24,479 pa.

This is a re-advertisement - previous applicants need not re-apply.

**Full details and online application from
jobs.ac.uk/jobfiles/AC676.html**

Application forms and further particulars can be obtained from the Personnel Office, University of Warwick, Coventry CV4 7AL (tel: +44(0)24 7652 3627; e-mail: recruit@admin.warwick.ac.uk) Please quote reference 35/2R/99.

Closing date for applications is 5 May 2000.

UNIVERSITY OF
WARWICK

POSITIONS OPEN

SCIENTIFIC ADMINISTRATOR MASSACHUSETTS GENERAL HOSPITAL CANCER CENTER

The Massachusetts General Hospital Cancer Center seeks a Scientific Administrator. This position is of unusually broad scope and is expected to make a substantial contribution to the research environment within the Center and the larger MGH community.

Responsibilities include working with individual faculty and the Director of the Center to facilitate all phases of financial, academic, human resource, operations, and research administration to approximately 15 laboratories. Mentor and coordinate a small team of administrative staff. Help plan, allocate, and administer the Cancer Center laboratory space. Work with faculty on recruitment, promotion, and scientific publication processes. Actively manage relationships between the Cancer Center and the MGH, Partners Health Care system, and the Harvard Medical School, and develop new common research facilities. Finally, he/she would be actively involved in fund-raising efforts for the Cancer Center, which involve federal agencies, private industry, and private donors.

The successful candidate must have a comprehensive understanding of how first-rate academic research is conducted. We seek an individual with managerial expertise, preferentially in academic administration, and possessing an advanced degree in biomedical sciences.

Please contact: **Spyros Artavanis-Tsakonas, Ph.D., Laboratory of Cell Biology, MGH Cancer Center, Building 149, 13th Street, Charlestown, MA 02129. FAX: 617-726-6857; e-mail: tsakonas@helix.mgh.harvard.edu.**

Two **POSTDOCTORAL POSITIONS** available immediately to study either of the following: molecular and cellular biology of Ewing's sarcoma or signal transduction by the TNFR family members. Experience in cellular and molecular biology or immunology is required. Familiarity with the yeast two-hybrid system, protein chemistry, or animal work preferred but not essential. Highly competitive salary in the \$26,916 to \$42,300 range plus benefits will be available depending on technical expertise and years of experience. Send curriculum vitae and names of three references to: **Dr. Preet Chaudhary, University of Texas Southwestern Medical Center, 6000 Harry Hines Boulevard, Dallas, TX 75235-8593. Telephone: 214-648-1837; FAX: 214-648-4940; e-mail: Donna.Carroll@email.swmed.edu. University of Texas Southwestern is an Equal Opportunity Employer.**

RESEARCH ASSISTANT PROFESSOR PEDIATRICS DEPARTMENT UNIVERSITY OF ILLINOIS AT CHICAGO

The Department of Pediatrics, University of Illinois at Chicago, has a research faculty position (nontenure track) available in its Cardiology Division. Ph.D. in inorganic chemistry and experience with impedance spectroscopy and surface spectroscopies techniques required. Animal surgery experience highly desirable. Responsibility for fabrication and study of novel thin electrodes for bioelectrode applications. Available July 1, 2000. Reply to: **George R. Honig, M.D., Ph.D., Professor and Head, Pediatrics (m/c 856), 840 South Wood Street, Chicago, IL 60612-7324. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.**

OPPORTUNITY TO THRIVE IN ENTREPRENEURIAL ENVIRONMENT

Seeking life-sciences Ph.D. or M.D. from U.S. university to join dynamic, growing consultancy that provides regulatory documents and technical manuscripts to the pharmaceutical industry. Ability to rapidly assimilate new information and write highly technical documents with clarity is an absolute requirement. Starting salary and benefits up to \$110,000 for the right applicant. FAX, e-mail, or mail cover letter and curriculum vitae to: **Howard Goldsweig, M.D., Qualus, 420 East 51st Street, Suite A, New York, NY 10022. FAX: 212-223-0893; e-mail: hgoldsweig@qualus.com.**

POSITIONS OPEN

Two bioinformatics positions are available immediately. (1) Statistical and research analysis III. Internal title: **BIOINFORMATICS SEQUENCING COORDINATOR**. This coordinator will work closely with the Clemson University Genomics Institute (CUGI) DNA Sequencing Center to develop local protocols for base-calling, vector-removal, and analysis of sequence information. Experience with Phred, Phrap, Cross_match, BLAST, and FASTA also desired. (2) Postdoctoral researcher. Internal Title: **BIOINFORMATICS ANNOTATION RESEARCHER**. This researcher will be responsible for annotation of rice BACs using the Neomorphic Annotation Station™ and submission of BACs to GenBank. Knowledge of genome sequence analysis desired, including basic understanding of gene prediction algorithms (e.g., GenScan) and database searching software (e.g., BLAST). Minimum requirements for both positions: Ph.D. in biology, molecular biology, or computational biology (qualified M.S. applicants will be considered for Sequencing Coordinator). Applicants should be familiar with UNIX operating system and basic Perl scripting. CUGI is a state-of-the-art research facility focusing on agricultural genomics and is funded by the USDA/NSF/DOE Rice Genome Sequencing Project to sequence approximately 20 Mb of rice genomic DNA over the next three years. Please send a cover letter describing the position you are interested in, a current curriculum vitae, and three letters of reference to: **Dr. Rod A. Wing, Clemson University Genomics Institute, 100 Jordan Hall, Clemson, SC 29634. For the Sequencing Coordinator position, please also apply directly to the Office of Human Resources at Clemson University; an application can be found at website: <http://www.state.sc.us/jobs/application>. Clemson University is an Equal Opportunity/Affirmative Action Employer.**

JOIN THE INTERNET REVOLUTION

AGENCY.COM is seeking people with advanced degrees to create innovative Web experiences. We value fresh thinkers who offer a unique perspective. Your distinct academic experiences often create extraordinary solutions. We are a leading international Internet professional services firm leading a diverse client group, from ground-breaking dot com to Fortune 1000 businesses.

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With a career at AGENCY.COM, you can help drive this revolution. We're looking for people with a passion for innovation. People who seek challenges, not shirk them. People who share our belief that, through the collaboration of the best creative, strategic, and technical minds, we can bring real change to the world.

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If you can meet our challenge, please forward your résumé and office preference to **e-mail: freshthinkers@agency.com. For information about our company, check out our website: www.agency.com. Equal Opportunity Employer.**

NIH POSTDOCTORAL POSITION available to study the molecular evolution of antimicrobials in enteric bacteria. A strong background in molecular evolutionary studies and/or microbial molecular genetics is preferred. Please send curriculum vitae and three references to: **Dr. Margaret Riley, Department of Ecology and Evolutionary Biology, Yale University, New Haven, CT 06511. E-mail: margaret.riley@yale.edu. Yale University is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

BIOLOGICAL OCEANOGRAPHY

Old Dominion University invites applications for a tenure-track **ASSISTANT PROFESSOR** in biological oceanography. Candidates with demonstrated ability to teach and do research are sought to contribute to the educational and research programs in the Department of Ocean, Earth, and Atmospheric Sciences (**website: www.ocean.odu.edu**). Outstanding individuals with research and teaching interests in the area of plankton dynamics, employing state-of-the-art approaches (molecular, physiological, or other) to studying trophic interactions, are especially encouraged to apply. The successful candidate will have a Ph.D. in oceanography or a related science, an interdisciplinary orientation, a record of research and publication, strong potential to establish a funded research program, and demonstrated ability to excel at teaching. Ability to interact on research projects with faculty in the Department of Ocean, Earth, and Atmospheric Sciences and other departments at Old Dominion University. Applicants should send a complete curriculum vitae; names, e-mail addresses, and telephone numbers of three references; a statement of research interests; and an e-mail address to: **Chair, Biological Oceanography Search Committee, Old Dominion University, Norfolk, VA 23529. Review of applications will begin May 10, 2000, and continue until the position is filled. Old Dominion University is an Affirmative Action/Equal Opportunity Institution and requires compliance with the Immigration Reform and Control Act of 1986.**

RESEARCH ASSOCIATE

POSTDOCTORAL RESEARCH ASSOCIATE position available immediately to study the role of renin expression and renin expressing cells in kidney vascular development. Our laboratory is one of a group of interacting laboratories in the Department of Pediatrics focusing on different aspects of kidney development. We utilize molecular techniques, including transgenic mouse models and knockouts, as well as classical embryological and immunohistochemical methods to investigate the lineage of the renin cells and their role in the development of the kidney vasculature. Candidates should have a Ph.D. and preferably some postdoctoral experience and have expertise in molecular biology and developmental biology/embryology or cell biology. Send curriculum vitae, letter of interest, and names of three references (including telephone and FAX numbers and e-mail address) to: **Ariel Gomez, M.D., Department of Pediatrics, University of Virginia Health System, P.O. Box 800386, Charlottesville, VA 22908. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.**

ASSISTANT/ASSOCIATE PROFESSOR MOLECULAR BIOLOGY AND GENE THERAPY

Opening for an experienced Molecular Biologist to work on basic molecular mechanisms of gene therapy in our center, which focuses on musculoskeletal diseases such as osteoporosis and arthritis. A strong performance in terms of scientific publications and successful external grant competition is essential. Salary and benefits competitive; possible long-term position. Send résumé, cover letter, and names of three references to: **David J. Baylink, M.D., Musculoskeletal Disease Center, P.O. Box 7210, Loma Linda, CA 92354. Loma Linda University is an Equal Opportunity Employer.**

RESEARCH INVESTIGATOR POSITION available immediately to study the molecular mechanisms of synthetic steroids on target tissues and to investigate species-specific metabolism of contraceptive steroids. Must have a Ph.D. or equivalent degree in biology, biochemistry, or toxicology and two to three years of postdoctoral training. Knowledge of pharmacology and metabolism of contraceptive steroids, as well as good writing and communication skills, are required. Send letter of interest, curriculum vitae, and the names and addresses of three references to: **Dr. Kalyan Sundaram, Population Council, 1230 York Avenue, New York, NY 10021. Telephone: 212-327-8743; FAX: 212-327-7678; e-mail: ksundaram@popcbr.rockefeller.edu.**

大分医科大学

生理学講座第1教授候補者の公募

本学では、生理学講座第1の教授として、中枢神経、末梢神経、筋及び感覚器等の動物性機能の生理学に造詣の深い研究者を公募いたします。

【応募書類】1 推薦書、2 履歴書、3 業績目録、4 主要な原著・著書等の刷刷20編以内（含：学位論文）、提出論文の内容梗概、5 科学研究費補助金等研究助成金の取得状況、6 教育・研究の概要、7 将来の抱負

【任用予定】平成12年8月16日

【提出期限】平成12年5月19日(金)必着

【提出先・問合せ先】〒879-5593

大分県大分郡挾間町医大ヶ丘1丁目1番地

大分医科大学総務部庶務課任用係

TEL(097)586-5140 FAX(097)586-5119

E-mail: anbe@oita-med.ac.jp

【注意事項】応募書類の詳細は、前記の問合せ先に照会ください。

Curtin

UNIVERSITY OF TECHNOLOGY

Senior Lecturer in Marine Physics
Centre for Marine Science and
Technology (CMST)
(Full-time – continuing) Ref 53389

The successful candidate will join CMST, a University research centre focussing on marine acoustics, ship science and underwater technology. The appointee will make a major contribution to marine related teaching and research, particularly in the physics of fluids, oceanography, scientific data analysis and/or marine instrumentation development.

Contact further information can be obtained by telephone +618 9266 7380, facsimile +618 9266 2377 email J.Penrose@cmst.curtin.edu.au

Information, selection criteria and application details are available on our website at <http://recruit.curtin.edu.au/>

Closing date 26 May 2000. Curtin reserves the right to appoint by invitation.

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MFP7887

IRRI

International Rice Research Institute

Position Announcements for Weed Scientist and

Head, Plant Breeding, Genetics and Biochemistry Division

IRRI, located in Los Baños, Philippines, is supported by the Consultative Group on International Agricultural Research (CGIAR) as a nonprofit, autonomous organization engaged in research and outreach on rice-related technology. The positions will be based at IRRI headquarters. Salary and benefits are internationally competitive. IRRI offers children's education allowances, medical insurance, and other attractive benefits. The Institute provides a gender-sensitive work environment and particularly welcomes women applicants. Candidates should have excellent verbal and written communication skills in English and must be willing to travel extensively within and outside Asia. Further information about IRRI is available on the Institute's Web site at www.cgiar.org/irri

Weed scientist

The weed scientist is expected to contribute to IRRI's research in weed science, develop new technologies to solve weed management problems in rice-based cropping systems, provide training in weed science, and collaborate with scientists from national agricultural research systems in developing countries and advanced research institutions.

Candidates should have 1) a Ph.D. in agronomy, weed science, or a related discipline; 2) a proven record of accomplishment in research, publication, and training; 3) a strong commitment to field-oriented research in weed management; 4) a working knowledge of the ecological principles of crop and weed management; and 5) the ability to discover, develop, and integrate weed control strategies into new weed management practices. Experience in rice is desirable.

Head, Plant Breeding, Genetics and Biochemistry (PBGB) Division

The PBGB head should be a senior-level plant breeder/geneticist with substantial research management experience. PBGB is the largest of the Institute's four research divisions.

Major responsibilities are:

- planning and implementing research involving genetic improvement of rice varieties for irrigated and rainfed environments;
- promoting disciplinary excellence through articulation of resource needs with senior management and providing scientific leadership to the international and national staff in the Division;
- administering the Division's personnel and financial resources;
- serving on the Institute's policy-making Management Committee;
- assisting in the Institute's fund raising efforts through the preparation of research proposals;
- leading the Cross-Ecosystems Program, one of four research programs in the current research program structure at IRRI, composed of a number of projects involving multidisciplinary research teams.

Candidates should have 1) a Ph D in plant breeding or genetics or biochemistry, 2) at least 10 years of post-Ph D research experience in genetic improvement of cereal crops, 3) at least 5 years of experience in research management positions, 4) good interpersonal skills, and 5) ability to foster research partnership with peers in national agricultural research systems and advanced research institutions.

Applications

Send (preferably via e-mail) a comprehensive curriculum vitae and names, addresses, fax numbers, and e-mail addresses of three referees to:

Dr. Len Wade (l.wade@cgiar.org)
Chair, Weed Scientist Search Committee
or

Dr. Ren Wang (r.wang@cgiar.org)
Chair, PBGB Head Search Committee
International Rice Research Institute
MCPO Box 3127
1271 Makati City, Philippines
Fax: (63-2) 891-1292

Applications for both positions will be accepted until 1 June 2000, or until a suitable applicant pool is established. Please refer to code IR00-PBGB-WS-C1.

POSITIONS OPEN

BIOINFORMATICS RESEARCH SCIENTIST POSTDOCTORAL FELLOW STANFORD UNIVERSITY

The Stanford Medical Informatics laboratory has research projects in both bioinformatics and clinical informatics and their intersection ([website: http://www.smi.stanford.edu/](http://www.smi.stanford.edu/)). The SMI has strong ties to the basic biological science departments, as well as technical departments such as computer science and statistics. We seek excellent candidates for leadership positions on federally funded research projects. In particular, there are openings in the following areas: (1) 3-D structure computation/optimization using sparse/noisy experimental data sources in context of structural genomics, (2) statistical analysis of protein 3-D features for functional characterization and evaluation of structure predictions, (3) creation and use of informatics resources for malaria functional genomics, and (4) pharmacogenomic data representation/analysis for assessing the association between genetic variation and variation in response to medications.

Successful candidates should be trained in the relevant background natural science and should have considerable skills in algorithmic design, data modeling, and computer programming. There is freedom in these projects for an independent, creative scientist. The salary range is \$40,000 to \$90,000 depending on experience and background. Please send résumés and reference information to: **Russ B. Altman, 251 Campus Drive, MSOB X-215, Stanford, CA, U.S.A. 94305-5479. E-mail: rba@smi.stanford.edu.** *Stanford is an Equal Opportunity Employer.*

An individual with experience in tissue culture and molecular biology techniques including molecular cloning, Southern hybridization, and PCR analysis is sought to work in the Gene Targeting Facility of NIAID. Experience in generating transgenic and gene knockout mice is particularly welcome. Will be recruiting for one position and will fill it in one of two ways, either as a **BIOLOGIST/MICROBIOLOGIST/CHEMIST** GS-7/9/11 (\$28,866 to \$55,541) and the other as a **RESEARCH FELLOW**. The GS position requires U.S. citizenship as a permanent position. Mail résumé and three letters of recommendation to: **Joann Martin, NIAID, Building 10, Room 7A27, 31 Center Drive, Bethesda, MD 20892. Telephone: 301-496-4634.** Please include Announcement Number AI-00-059. Please call the above number for the detailed vacancy announcement. Closing Date: April 21, 2000. The Research Fellow position does not require citizenship and is not a permanent position. Salary for the Research Fellow will be based on education and experience. Please mail résumé and three letters of recommendation to: **Dr. Hua Gu, Laboratory of Immunology, DIR, NIAID, NIH, 12441 Parklawn Drive, Rockville, MD 20852 U.S.A. (Announcement Number AI-00-059). E-mail: hgu@niaid.nih.gov.** Closing date: April 21, 2000. *NIH is an Equal Employment Opportunity Employer.*

CARDIOVASCULAR SCIENTIST

SNBL Biosupport, a preclinical contract research organization, is seeking qualified candidates for a position in the Cardiovascular Biology Department. Successful applicants will have demonstrated abilities in animal models of cardiovascular disease. Candidates should have a Ph.D., M.D., D.V.M. or equivalent training and experience in large and small animal surgery, interventional cardiology, and biomedical devices. The position involves planning and conducting preclinical safety and efficacy studies for clients from academic and industry environments. Experience with GLP regulations is preferred. Strong communication and supervisory skills are desirable. Competitive salary; benefits package. Applicants should submit curriculum vitae and a description of research interests to: **Director of Cardiovascular Biology, SNBL U.S.A. Biosupport Ltd., 14716 N.E. 87th Street, Redmond, WA 98052. FAX: 425-883-2682; website: www.snblusa.com; website: <http://www.snblusa.com>.**

POSITIONS OPEN

DIRECTOR PH.D. PROGRAM IN ENVIRONMENTAL TOXICOLOGY

The College of Sciences invites nominations and applications for the position of Director of a newly established Ph.D. program in environmental toxicology. The College of Sciences seeks a dynamic and resourceful leader with a strong record of teaching, external grant funding, and outreach. The director would oversee, coordinate, and provide leadership in curriculum development, instruction, faculty selection and supervision, research, and grant proposal development for program support. The successful applicant will be expected to provide leadership in the development and implementation of the new multidisciplinary environmental toxicology program through interactions with other units within the University.

Southern University and A&M College is a comprehensive institution offering undergraduate, graduate, professional, and Doctoral degree programs, fully accredited by the Southern Association of Colleges and Schools. The University today is part of the only historically black land grant university system in the United States. An average of 9,000 students are enrolled each year at the Baton Rouge campus. The University is located in Baton Rouge, the capital of the state of Louisiana, along the banks of the Mississippi River approximately 70 miles northwest of New Orleans. The city offers a rich mix of excellent restaurants and cultural activities.

Candidates must possess: (1) a Ph.D. in toxicology or a closely related field; (2) national and international reputation for research and scholarship; (3) vision for excellence in graduate education; (4) leadership capabilities; (5) a commitment to the mentoring of faculty members in teaching and the development of strong research programs; (6) the ability to maintain and develop external partnerships with state and federal government agencies, industry, and alumni; and (7) a commitment to the continued development of a diverse workforce and student body.

The starting date for this position is July 1, 2000, or as soon as possible thereafter. It is a regular 12-month, full-time position. Salary and academic rank will be commensurate with qualifications and experience.

Applications should include: (1) curriculum vitae, (2) a brief description of research goals for the next five years; (3) description of primary teaching expertise and interests, (4) a detailed description of leadership experience, and (5) names of at least five references. Review of applications will begin on May 1, 2000, and will continue until the position is filled. Send applications and nominations to: **Dr. Patrick Carriere, Chair, Search Committee for Director, Environmental Toxicology Program, Southern University and A&M College, P.O. Box 9969, Baton Rouge, LA 70813. Telephone: 225-771-5870; FAX: 225-771-4320.** *Southern University is an Equal Opportunity Employer.*

POSTDOCTORAL FELLOWSHIP LUNG BIOLOGY

A Postdoctoral Fellowship position is available to study matrix metalloproteinases, extracellular matrix, and cell migration in experimental lung injury. The trainee will use *in situ* hybridization, laser capture microdissection, real-time PCR, and other techniques in studies involving normal and gene-manipulated mice. The position requires a Ph.D. in cell and/or molecular biology. The position will provide many opportunities for collaboration and educational experiences, including participation in national research meetings. Previous fellows in this laboratory have attained faculty positions. This Fellowship is open to all qualified applicants, and the salary is not limited to NIH schedules. Interested individuals should send a curriculum vitae to:

**Dr. Robert M. Senior
Departments of Medicine and
Cell Biology/Physiology
Washington University School of Medicine
90-34-671
216 South Kingshighway Boulevard
St. Louis, MO 63110
E-mail: seniorr@msnotes.wustl.edu**

POSITIONS OPEN

SCIENCE WRITER/EDITOR

The American Society of Plant Physiologists seeks a **SCIENCE WRITER/EDITOR** for the monthly journal *Plant Physiology* to summarize five articles per month for a new column titled, "On the Inside," and to edit other front matter of the journal.

Qualifications: Broad knowledge of modern plant biology. Excellent writing skills and ability to synthesize complex scientific concepts and explain them clearly. Minimum of an M.S. degree in genetics or biology, with Ph.D. desirable. Ability to gain a rapid understanding of unfamiliar research areas and to recognize what topics in current plant biological research merit commentary. Salary commensurate with experience; excellent benefits. Send cover letter, résumé, salary history, and three writing samples to: **PP Job Search, ASPP, 15501 Monona Drive, Rockville, MD 20855-2768.** No calls. *Equal Employment Opportunity.*

POSTDOCTORAL RESEARCH ASSOCIATE

A full-time Associate is needed for a NSF-funded project starting June 2000 on the physiological ecology of hibernation by ground squirrels. The field component of this position will be conducted in the White Mountains of California. The laboratory portion of this position will be performed at the Louis Calder Center of Fordham University located in Armonk, New York. The successful candidate must be willing to spend several months per year at high elevations at the White Mountain Research Station. A Ph.D. in vertebrate physiological ecology and experience with radio telemetry is required. Submit a brief statement of general research interests, curriculum vitae, and both the names and addresses of three references by 1 May 2000 to: **Dr. Craig L. Frank, The Louis Calder Center, Fordham University, P.O. Box K, Armonk, NY 10504.**

POSTDOCTORAL FELLOW THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER

Position available immediately to study kidney-specific gene regulation, kidney development, or polycystic kidney disease. Ph.D. and/or M.D. with strong background in molecular genetics or developmental biology required. Send curriculum vitae and names of three references to: **Dr. Peter Igarashi, Chief, Division of Nephrology, The University of Texas Southwestern, 5323 Harry Hines Boulevard, Dallas, TX 75390-8856. FAX: 214-648-2071; website: http://www.swmed.edu/home_pages/nephrology/.** *The University of Texas Southwestern is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION available immediately to join a group of scientists at the University of California San Francisco to study the role of host immunogenetic factors in determining the outcome of HIV infection. Strong background in molecular biology or molecular genetics is required. Experience in infectious diseases is preferred. Please forward curriculum vitae, brief statement of research experience, and names and telephone numbers/e-mail addresses of three references to: **Dr. J. Oksenberg, Department of Neurology, University of California San Francisco, 513 Parnassus Avenue, San Francisco, CA 94143-0435. FAX: 415-476-3428; e-mail: oksen@itsa.ucsf.edu.**

A **POSTDOCTORAL POSITION** is available for an NIH-sponsored project with a long history of funding to study molecular mechanisms of altered macrophage function in innate immune responses to bacterial endotoxin, cytokines, and eicosanoids. Preference will be given to candidates with molecular biology expertise. Send curriculum vitae and two letters of reference to: **Dr. James Cook, Medical University of South Carolina, Department of Physiology and Neuroscience, 167 Ashley Avenue, Charleston, SC 29425. Telephone: 843-792-4423; FAX: 843-792-2978; e-mail: cookja@muse.edu.** *Equal Opportunity Employer.*

EUROPEAN OPPORTUNITIES



Karolinska Institutet in Stockholm is a medical university and one of the largest centres for biomedical research and education in Northern Europe.

Karolinska Institutet has launched a new programme in biomedicine to identify, support and promote young scientists expected to become future leaders in biomedical research. As part of the programme, positions are available for

SCIENTISTS/RESEARCH PROJECT LEADERS IN BIOMEDICINE

The entire programme consists of ten projects which will be funded for five years in a wide range of areas. In the first phase of the programme, applications are now invited from scientists to lead four new research projects in the following areas:

Metabolism and endocrinology,

reg. no. 1361/2000

Research on the molecular mechanisms of metabolic and/or endocrine functions and disorders;

Inflammation and immunology,

reg. no. 1363/2000

Research on the molecular mechanisms of autoimmune, inflammatory, and/or hematologic functions and disorders;

Neuroscience, reg. no. 1364/2000

Research on the functions of the nervous system under normal and/or pathological conditions;

Microbiology, reg. no. 1365/2000

Research on host-microbe interactions, including pathogenic microorganisms, the microbial flora, microbial genomics, molecular mechanisms of adhesion and colonisation, or the host response to infection.

The programme is open to younger scientists throughout the world. Applicants must have a Ph.D. degree and appropriate post-doctoral experience. Each project will be funded by Karolinska Institutet for five years with a budget of up to SEK 2 million per year, including salaries and running costs.

When applying, the following should be submitted in four copies, sorted into four identical sets:

- a verified curriculum vitae, including a list of scientific publications
- a description of teaching- and leadership experience (max three pages)
- three letters of recommendation
- research plans for the next five years (max ten pages)
- 20 publications selected by the candidate

The application should be written in English.

For further information, please contact professor Harriet Wallberg-Henriksson, Dean of Research, phone +46-8-728 64 70, e-mail: Harriet.Wallberg-Henriksson@fostyr.ki.se

Please submit your application to Karolinska Institutet, Registration Office, S-171 77 Stockholm, Sweden. The deadline for receipt of applications is 1st June, 2000.

For the complete announcement and information on Karolinska Institutet, see <http://info.ki.se>

EUROPEAN OPPORTUNITIES



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

PROFESSORSHIP IN PALAEOZOOLOGY

The position includes the directorship of the Institute of Palaeontology and the Palaeontological Museum. The professorship is also associated with the Department of Geology of the Swiss Federal Institute of Technology (ETH) Zürich. The institute has a long tradition in exploring the renowned middle Triassic site of Monte San Giorgio.

Applicants should have an internationally competitive research program and outstanding scientific achievements in phylogenetic or biocenotic Palaeozoology. There are no restrictions concerning the animal groups to be investigated.

The successful candidate will be expected to establish a research group and to participate in general teaching of evolutionary biology as well as in more advanced courses at the University and the ETH. It is expected that the successful candidate will acquire proficiency in the German language within two years.

Zürich offers extensive palaeontological collections, an experienced staff and stimulating, close collaboration with colleagues in the recently established Consortium for Evolution and Biodiversity.

Applications including a curriculum vitae, a publication list, a short summary of current and future activities in research and teaching, copies of three recent key publications, and names and addresses of three referees, should be sent by May 15, 2000 to:

Prof. Dr. V. Ziswiler, Dekanat der Mathematisch-naturwissenschaftlichen Fakultät der Universität Zürich, Winterthurerstr. 190, CH-8057 Zürich
phone +41 1 635 4006, fax: +41 1 635 6806, e-mail: zis@zoolmus.unizh.ch

EUROPEAN OPPORTUNITIES



ZENTRUM FÜR
MOLEKULARBIOLOGIE
DER PFLANZEN
Universität Tübingen

Group Leader Position

The Center for Plant Molecular Biology (ZMBP) at the University of Tübingen invites applications for an independent group leader position (6-year position equivalent to Assistant Professor). The position involves research (major research topics at the ZMBP: <http://www.uni-tuebingen.de/ZMBP/>) and teaching. Address application (deadline: 15 May 2000), including CV, list of publications, description of current research and outline of 6-year research plan, to:

**Dr. H. Stransky, ZMBP,
Universität Tübingen,
Auf der Morgenstelle 1,
D-72076 Tübingen, Germany.**

Faculty Position in Marine Microbial Ecology

The Rosenstiel School of Marine and Atmospheric Science of the University of Miami is seeking an individual with a Ph.D. and a strong interest in microbial processes in the water column, sediments or subsurface fluids.

The candidate should demonstrate the potential to secure extramurally funded research in the near-shore and/or open-ocean environments. He/she will have the exciting opportunity to participate in the development of interdisciplinary research programs in collaboration with faculty from other Divisions at the School (see Web site for list of research interests <http://www.rsmas.miami.edu/research.html>). The teaching of graduate level courses is expected. Rank, salary and benefits are negotiable. Send CV, names and addresses of five references, and a concise statement of interest to:

**Dr. Jack Fell
Search Committee Chair
Rosenstiel School of Marine and
Atmospheric Science
4600 Rickenbacker Causeway
Miami, Florida 33149-1098**

The search will remain open until a successful candidate is selected.

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POSITIONS OPEN

ABBOTT LABORATORIES FELLOWSHIP IN DIABETES NORTHWESTERN UNIVERSITY

Research fellowships are available beginning July 1, 2000. This newly developed program is sponsored by the Division of Endocrinology, Metabolism, and Molecular Medicine at Northwestern University Medical School and the Diabetes and Obesity Research Group at Abbott Laboratories. Research interests of the training faculty include mechanisms of insulin action and resistance and genetic studies of diabetes. Fellows will work with one or more of a dozen primary mentors within the training program but interact broadly with scientists at both institutions. The successful candidate should have an M.D. or Ph.D. degree and a background relevant to these areas of research. Interested applicants should forward curriculum vitae and three letters of recommendation to:

William L. Lowe, Jr., M.D.

**Division of Endocrinology, Metabolism,
and Molecular Medicine**

**Tarry 15-703,
Northwestern University Medical School
303 East Chicago Avenue
Chicago, IL 60611**

All information must be received by June 15, 2000.
An Affirmative Action/Equal Opportunity Employer.

DEPARTMENT OF MEDICINE DIVISION OF INFECTIOUS DISEASE University of California, Irvine

The University of California, Irvine, College of Medicine, is seeking a **SENIOR MEDICAL ACADEMICIAN** as Chief of the Division of Infectious Disease in the Department of Medicine. This will be a tenured position. Qualified candidates must have either the M.D. or M.D./Ph.D. degree(s) and be internationally recognized for original research, with a solid track record of peer-reviewed funding. Responsibilities include development and oversight of quality educational, clinical practice, and research programs. Salary and rank are dependent upon experience. Interested candidates should send a copy of the curriculum vitae and a list of five references to: **Alan G. Barbour, M.D., Professor, Department of Medicine, University of California, Irvine, College of Medicine, Medical Sciences L, B250, Irvine, CA 92697-4025.** *The University of California is an Equal Opportunity Employer committed to excellence through diversity.*

POSTDOCTORAL POSITION available to study regulation of gene expression. Projects include mouse knockout studies, cloning of novel DNA-binding proteins, and study of a novel CpG-binding protein (*Mol. Cell. Biol.* 20:2108-2120, 2000; *J. Biol. Chem.* 274:29984-29993, 1999). Send curriculum vitae and names of three references to: **Dr. David Skalnik, Cancer Research Institute, Room 472, 1044 West Walnut Street, Indianapolis, IN 46202.** E-mail: dskalnik@iupui.edu. *Indiana University is an Equal Opportunity/Affirmative Educator, Employer, and Contractor; Minorities/Females/Disabled.*

POSTDOCTORAL POSITIONS are available to study cell, molecular, and structural properties of MaxiK channels using *in vitro* and *in vivo* systems. Biochemistry, molecular biology, and/or molecular genetics background preferred. Please send (1) brief cover letter indicating experience and interests; (2) curriculum vitae; and (3) list of three references including telephone, FAX, and e-mail to: **Dr. Ligia Toro, UCLA, Department of Anesthesiology, BH-509A CHS, Box 957115, Los Angeles, CA 90095-7115.**

POSTDOCTORAL POSITIONS in molecular pharmacology. We are creating novel therapeutic proteins by combinatorial methods and evaluating their function in cells. A Ph.D. with good molecular biology experience is essential. Send curriculum vitae and names of two references to: **Dr. R. L. Juliano, Department of Pharmacology, CB# 7365, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-7365.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

CHIEF, DIVISION OF MEDICAL ONCOLOGY

The University of Texas Health Science Center at San Antonio (UTHSCSA) is seeking a physician-investigator to lead the Division of Medical Oncology. The successful applicant is Board-certified in medical oncology and/or hematology; is eligible for licensure in the state of Texas and for the rank of **PROFESSOR OF MEDICINE**; and has a record of productivity in an area of clinical, translational, or basic research related to cancer. The successful applicant will be responsible for recruiting a new faculty to the Division; building an academic program with strengths in clinical cancer research and basic science research; and developing collaborative programs with investigators in the San Antonio Cancer Institute, an NCI-designated comprehensive cancer center. The successful applicant will have responsibility for supervising the clinical services of the Division and will support the Fellowship Program in Hematology/Medical Oncology.

UTHSCSA offers an excellent benefit package and competitive salary, and the city of San Antonio provides an outstanding quality of life. Interested individuals should send a cover letter, curriculum vitae, and the names of three references to: **Geoffrey R. Weiss, M.D., Interim Chief, Division of Medical Oncology, Department of Medicine, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, Mail Code 7884, San Antonio, TX 78229-3900.** *UTHSCSA is an Equal Opportunity/Affirmative Action Employer.*

UNIVERSITY OF FLORIDA SHANDS CANCER CENTER

The University of Florida Shands Cancer Center (UFSCC) is recruiting for an **ASSOCIATE PROGRAM DIRECTOR/LECTURER**. A Master's degree is required. This faculty position will be responsible for the overall administration of the UFSCC. The Associate Program Director/Lecturer will be involved in the planning and development of the University of Florida Shands Cancer Center in seeking to obtain a National Cancer Center (NCI) designation. The Associate Program Director/Lecturer will also be involved in developing exploratory/planning grants as well as helping to develop center core grants and program project grants. The applicant should have extensive knowledge concerning federal granting agencies, specifically the National Institutes of Health (NIH) and the National Cancer Institute. Previous experience in the administrative operations of an NCI-designated cancer center is highly desirable.

The Associate Program Director/Lecturer will coordinate and interact with the faculty and staff in the UFSCC, as well as the Colleges of Medicine, Dentistry, Pharmacy, Nursing, Veterinary Medicine, Health Professions, and other colleges at the University of Florida. The application deadline is April 30, 2000. Salary is negotiable depending on experience. The anticipated start date is June 1, 2000.

Please send applications to: **Tom V. Harris, Chair, Search Committee, University of Florida, J. Hillis Miller Health Science Center, P.O. Box 100014, Gainesville, FL 32610-0014.**

POSTDOCTORAL POSITION is available immediately to study phospholipases and lipid signals in the pathogen *Trypanosoma brucei*. The NIH-funded position examines growth regulatory properties of lipases and their products. Experience with molecular cloning is required. Send curriculum vitae and names of three references to: **Dr. Larry Ruben, Department of Biological Sciences, Southern Methodist University, Dallas, TX 75275.** E-mail: lruben@mail.smu.edu. *An Equal Opportunity Employer.*

POSTDOCTORAL POSITION on NIH campus in Bethesda, Maryland, to develop and apply new molecular methods to discover viruses. Experience with virology and molecular techniques required. Send or e-mail curriculum vitae and names of three references to: **Philip Krause, M.D., FDA/CBER, HFM-457, 1401 Rockville Pike, Rockville, MD 20852.** Email: krause@cber.fda.gov.

POSITIONS OPEN

POSTDOCTORAL POSITION Harvard Medical School

Position available to study the molecular basis of neuronal degeneration in Alzheimer's and other neurodegenerative diseases. Projects focus on molecular mechanisms of neuronal apoptosis and the role of genes that predispose to neuronal cell death. For reference, see *PNAS* 96:6959, 1999; *Nature* 395:698, 1998; *Neuron* 16:921, 1996. Experience in molecular and cell biology is required. Send curriculum vitae, a brief description of research experience, and names of three references to: **Dr. Bruce Yankner, Children's Hospital, Enders 260, 300 Longwood Avenue, Boston, MA 02115.** FAX: 617-738-1542. *An Equal Opportunity Employer.*

POSTDOCTORAL FELLOWSHIP IN STEM CELL BIOLOGY

Available immediately to dissect the function of the hematopoietic stem cell transcription factor SCL/tal in an embryonic stem cell system of hematopoiesis. Opportunity provided to participate in an ongoing, productive effort to correlate structure and function in factors responsible for programming stem cell development and leukemogenesis (*J. Biol. Chem.* 271:2683, 1996; *J. Biol. Chem.* 273:2866, 1998). Experience in molecular and cell biology required. Send curriculum vitae and names of three references to: **Dr. Adam Goldfarb, c/o Jane Adair, Department of Pathology, University of Virginia Health Sciences Center, Box 800214, Charlottesville, VA 22908.** *The University of Virginia is an Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITION: University of Arizona. Available to work on the biosynthesis and genetic engineering of natural products. Experience in enzymology and molecular biology desired. See website: <http://www.pharmacy.arizona.edu/people/pharmtox/moore/index.html> for more details. Requires a Ph.D. in molecular biology, biochemistry, or related field and at least one year of postdoctoral experience. Experience in *Streptomyces* genetics is essential. Send curriculum vitae to: **Dr. B. S. Moore; e-mail: moore@pharmacy.arizona.edu.** *The University of Arizona is an Equal Employment Opportunity Employer; Minorities/Women/Disabled/Veterans.*

A **POSTDOCTORAL POSITION** is being offered to study protein:protein interactions that provide specificity for dopamine receptor subcellular localization and signaling pathways in brain. Multidisciplinary *in vitro* and *in vivo* physiological and molecular approaches will be taken (*Lezcano et al., Science* 247:1660-1664). Stipend will be commensurate with relevant training and experience. Send curriculum vitae and names and addresses of three references to: **Dr. Clare Bergson, Department of Pharmacology and Toxicology, Medical College of Georgia, Augusta, GA 30912-2300.** FAX: 706-721-2347; e-mail: cbergson@mail.mcg.edu.

POSTDOCTORAL RESEARCH POSITIONS are available for Ph.D.s or M.D.s in the molecular biology and genetics of upper GI and colon cancers, especially in transcriptional regulation of gene expression and transgenic mouse models. Experience in molecular biology is necessary. Work is in GI Division, Genetics and Cancer Center. Send curriculum vitae to: **Anil K. Rustgi, M.D., Chief of GI Division, 600 CRB, University of Pennsylvania, 415 Curie Boulevard, Philadelphia, PA 19104-6140.** E-mail: anil2@mail.med.upenn.edu; FAX: 215-573-2024. *Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION is available to study Epstein-Barr virus immediate-early proteins (BZLF1 and BRLF1) and their role in viral pathogenesis. Candidates should have a recent Ph.D. and a strong background in molecular biology and/or virology. Send curriculum vitae and at least two references to: **Dr. Shannon Kenney, Lineberger Comprehensive Cancer Center, CB 7295, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599.** E-mail: shann@med.unc.edu.

Head of the TSE Molecular Biology Department

based at Addlestone, Surrey

Applications are invited for the Head of the TSE Molecular Biology Department. This is an exciting and challenging new post to establish a centre of excellence for chemical and molecular biological studies of TSE and provide scientific leadership in the Agency's PrP research programme. The post holder will make a significant scientific contribution to the VLA's Research and Surveillance Programme strategies through membership of the TSE Programme Management Group. The Head of Department will direct, oversee and account for the development of this new Department and ensure that customers' needs are fully met, to specification and within budget.

This post is open to scientists with an excellent track record in research. The successful applicant will have gained research experience in one or more of the scientific fields directly applicable to TSE research. Experience in running a large team (30-35 people) is desirable but the successful candidate will be an excellent communicator who must be capable of gaining the confidence of both senior MAFF staff responsible for policy advice and formulation and key scientists in the TSE field.

The post is in VLA Pay Band A, £38,000 to £55,950 per annum.

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

An Executive Agency of the Ministry of Agriculture Fisheries and Food.



**Veterinary
Laboratories
Agency**

Further details and an application form can be obtained by writing to:
Personnel (ML),
Veterinary
Laboratories
Agency, New Haw,
Addlestone, Surrey
KT15 3NB quoting
reference ADP 1694.

The closing date for receiving completed application forms is 5th May 2000.



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Involved in research projects aiming at the discovery of novel drugs, you will manage a small team and be more particularly responsible for research program on hemo-dynamic techniques and will perform in vivo models, specially in myocardial ischemia.

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**Max-Planck-Institute
of Cognitive Neuroscience, Leipzig**

The Max-Planck-Institute of Cognitive Neuroscience in Leipzig, Germany (Directors Prof. A. D. Friederici and Prof. D. Y. von Cramon) has a position available for

Physicist

in the NMR group, under the direction of Dr. David Norris. The contract is renewable up to a maximum of five years, with salary based on qualification within the German public sector scale (BAT-O). The successful candidate should possess a PhD in Physics and the ability to work on interdisciplinary projects. Experience in functional imaging is especially desirable. The Institute possesses a modern 3T whole body MR system. The research areas of the MR group include the biophysical basis of fMRI, perfusion and diffusion measurement, and fast imaging methods.

In order to increase the proportion of female co-workers, applications from female scientists are particularly encouraged. Preference will be given to disabled persons of the same qualification.

For information contact Dr. D. Norris by e-mail:
norris@cns.mpg.de

Candidates should send their application within 3 weeks after publication to:

**Max-Planck-Institut für neuropsychologische Forschung
- Verwaltung -
Postfach 500355, 04103 Leipzig**

POSITIONS OPEN

POSTDOCTORAL OPPORTUNITY

An immediate opening is available for a Postdoctoral Fellow to join a laboratory actively involved in studying the immunopathogenesis of *Pneumocystis carinii* pneumonia. Ongoing projects deal with immunologic and molecular analyses of host-parasite interactions, including an evaluation of vaccine strategies for the prevention of *P. carinii* pneumonia and an analysis of the mechanisms of lung injury occurring as a result of infection with *P. carinii*. This successful candidate should have a strong background in either cellular or humoral immunology, cell biology, or molecular biology. Funding available for two years with additional years dependent on adequate progress. Interested individuals should send curriculum vitae and letters of reference to: **Francis Gigliotti, M.D., Pediatric Infectious Diseases, University of Rochester School of Medicine, 601 Elmwood Avenue, Box 690, Rochester, NY 14642-8690. E-mail: FrancisGigliotti@urmc.rochester.edu.**

POSTDOCTORAL POSITION AT HARVARD Massachusetts Eye and Ear Infirmary

Postdoctoral position is available to study the development of the zebrafish retina and the sensory epithelia of the inner ear. An extensive collection of mutations affecting these organs is available for further analysis. We are primarily interested in loci involved in early morphogenesis, specification of cellular diversity, and organization of neurons. A combination of genetic, molecular, and embryological approaches is used to study these problems. Several defects currently under investigation are relevant to human retinal disorders. Highly motivated individuals with a recent Ph.D. are invited to apply. Please send curriculum vitae, two recent reprints, and names of three references to: **Dr. Jarema Malicki, HMS/MEEI R513; 243 Charles Street, Boston, MA 02114. Website: <http://genetics.med.harvard.edu>.**

Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study transcriptional regulation in mammalian cells and their associated viruses. Our goal is to define the roles of human general cofactors (TFIID, PC4, and Mediator) and RNA polymerase II holoenzyme in transcribing naked DNA and chromatin (see *EMBO J.* 17:4478; *JBC* 274:23480). We are also interested in hormone receptor functions and transcriptional control in human papillomaviruses (see *MCB* 20:113). Interested candidates should submit applications, including curriculum vitae; copies of publications; statement of research interests; and three letters of recommendation to: **Dr. Cheng-Ming Chiang, Department of Biochemistry, 419 RAL, University of Illinois, 600 South Mathews Avenue, Urbana, IL 61801 U.S.A. E-mail: c- Chiang@uiuc.edu. Website: <http://www.scs.uiuc.edu:80/~bioch/chiang.html>.**

A **POSTDOCTORAL POSITION** is available at the University of Wisconsin to study the immunological mechanisms of airway remodeling in asthma. The candidate will use molecular and cellular immunology methods to study the interactions among airway T cells, eosinophils, fibroblasts, and signaling pathways of airway fibroblasts. Experience in immunology, cell biology, signal transduction, and molecular biology is desirable. Send statement of interest, curriculum vitae, and addresses of three references to: **Nizar N. Jarjour, M.D., University of Wisconsin School of Medicine, 600 Highland Avenue, Madison, WI 53792.**

POSTDOCTORAL POSITION available to study molecular mechanisms of tumor suppression by pVHL, implications of which include tumor angiogenesis, hypoxia-inducible gene expression, and renal and vascular development. Experience in molecular biology and/or protein chemistry preferred. Please send curriculum vitae and names of three references to: **Dr. Herbert T. Cohen, Boston University School of Medicine, X538, 650 Albany Street, Boston, MA 02118. FAX: 617-638-7326; e-mail: htcohen@bu.edu.**

POSITIONS OPEN

INTERESTED IN CLINICAL OR POSTDOCTORAL RESEARCH TRAINING?

The National Institutes of Health has both! For more information, visit our website which lists an array of clinical and postdoctoral opportunities, including tenure-track positions.

<http://www.training.nih.gov>

NIH is dedicated to building a diverse community in its training and employment programs.

POSTDOCTORAL ASSOCIATES

Two positions are available August 1, 2000, one addressing the functional architecture of voltage-sensitive sodium channels using peptide neurotoxin probes and the other in developing novel approaches for obtaining structural information on transmembrane proteins. Both positions require a strong background in biochemistry and molecular biology; in addition, knowledge of ion channel structure and function is highly desirable. Applications accompanied by curriculum vitae and the names, telephone numbers, and e-mail addresses of three individuals able to evaluate the applicant's credentials should be addressed to: **Dr. Kenneth Blumenthal, Department of Biochemistry, Postdoctoral Search, School of Medicine, State University of New York at Buffalo, Buffalo, NY 14214. Prior to July 1, 2000, additional information can be obtained at: e-mail: blumenkm@uc.edu. The State University of New York is an Equal Opportunity/Affirmative Action Employer.**

The Center for *In Vivo* Microscopy at Duke University invites applications for a two-year appointment at the level of **POSTDOCTORAL FELLOW** in the Department of Radiology. Candidates should have a Ph.D. in pulmonary physiology and/or biomedical engineering. The successful candidate will join a team of scientists engaged in leading-edge pulmonary imaging using magnetic resonance microscopy and hyperpolarized gas. Experience in pulmonary function and/or pathology is desired. Familiarity with computer technology and imaging systems will be beneficial. For more information about the work, please see our website: <http://www.civm.mc.duke.edu>. Interested parties should send a résumé and names of at least two references to: **Sue Behringer, Box 3302, Duke University Medical Center, Durham, NC 27710. E-mail: seb@orion.mc.duke.edu; FAX: 919-684-7122. Duke is an Equal Opportunity Employer.**

POSTDOCTORAL POSITION is available immediately in active research program focused on growth and survival factors in ocular tissues and brain, particularly age-related cataract, retinal degenerations, and Alzheimer's disease. Candidates should have Ph.D. or M.D. degree and experience in techniques of cell biology, molecular biology, and immunocytochemistry. Excellent written/oral communication skills are a plus. Send curriculum vitae and the names of three references to: **Leo T. Chylack Jr., M.D., Director, Center for Ophthalmic Research, Brigham and Women's Hospital, 221 Longwood Avenue, Boston, MA 02115. FAX: 617-732-7812. E-mail: lchylack@rics.bwh.harvard.edu.**

POSTDOCTORAL POSITIONS

Two Postdoctoral positions are available immediately to study novel control of COX-2 and NOS-2 expressions and metabolic activities. The desirable candidates should be highly motivated and experienced in (1) cell and molecular biology and (2) biochemistry and bioorganic chemistry. Please send curriculum vitae to: **Dr. Kenneth K. Wu, Vascular Biology Research Center, University of Texas Houston Medical School, 6431 Fannin Street, Houston, TX 77030. E-mail: kkwu@heart.med.uth.tmc.edu. The University of Texas is an Equal Opportunity Employer. Women and minorities are encouraged to apply.**

POSITIONS OPEN

COMPARTMENTALIZED SIGNAL TRANSDUCTION

POSTDOCTORAL POSITIONS are immediately available for individuals interested in this emerging area of cell regulation research. The successful applicant will have the opportunity to study how cell surface compartments like caveolae, rafts, and coated pits control the function and specificity of such important signaling molecules as Ras, receptor tyrosine kinases, and endothelial nitric oxide synthase. Please submit curriculum vitae either to: **Dr. Michael White, e-mail: white08@utsw.swmed.edu; Dr. Philip Shaul, e-mail: pshaul@mednet.swmed.edu; or Dr. Richard Anderson, e-mail: anders06@utsw.swmed.edu. We work together in the Departments of Cell Biology and Pediatrics, The University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75235. UT Southwestern is an Equal Opportunity Employer.**

POSTDOCTORAL POSITION AT EMORY TISSUE-SPECIFIC GENE EXPRESSION

An NIH-funded Postdoctoral position available to study the unique transcriptional control of angiotensin-converting enzyme (ACE) expression by male germ cells. Developing germ cells express large amounts of a unique isozyme of ACE due to the recognition of a small, tissue-specific intragenic promoter. There are many advantages to studying tissue-specific gene expression in this system, and these advantages have been used to develop new approaches to study transcription. Applicants will be expected to work with graduate students and technicians and to take a substantial role in developing this program. Reply to: **Ken Bernstein, Department of Pathology, Emory University, Atlanta, GA 30322. E-mail: kbernst@emory.edu. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION in gene therapy for prostate cancer available immediately. \$28,000 to \$30,000 plus health benefits. Experience in transfection techniques, gene cloning and expression, DNA-protein interaction, apoptosis, and DNA repair. Good writing skills and ability to work independently are essential. Send curriculum vitae and names of three references to: **Dr. V. Soldatenkov, Department of Radiation Medicine, Georgetown University Medical Center, The Research Building, Room E204, 3970 Reservoir Road N.W., Washington, DC 20007-2197. FAX: 202-687-0400; e-mail: soldates@gunet.georgetown.edu. Georgetown University is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION University of Maryland, Baltimore

Postdoctoral position is available in the Division of Endocrinology, Diabetes, and Nutrition to study the genetics of diabetes and osteoporosis. Applicants must have a Ph.D. degree in cell biology, molecular biology, or related field. Experience in gene mapping and/or functional genomics is preferred. Please send curriculum vitae and three letters of recommendation to: **Alan R. Shuldiner, M.D., University of Maryland School of Medicine, 725 West Lombard Street (Room S420), Baltimore, MD 21201-1192. The University of Maryland is an Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION: ecological genetics of plant-insect interactions. A position to study the maintenance of a plant trichome polymorphism emphasizing differential plant tolerance and resistance to herbivory and the influence of insect herbivory on plant competition. Background information can be found in *Evolution* 53:22-35, 1999. Candidates must have a Ph.D. in ecology, entomology, botany, or related discipline before hiring. Experience in measuring plant growth and fitness in the field is required. Contact: **Dr. J. Daniel Hare, Department of Entomology, University of California, Riverside, CA 92521. E-mail: Harejd@citrus.ucr.edu for application information. Complete applications must be received by May 15, 2000.**

8th International TNF Congress on Tumor Necrosis Factor and Related Cytokines

May 14-18, 2000, Trondheim, Norway

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developments in TNF family signaling,
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before May 1, 2000 can be presented as
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Universität Konstanz

The Department of Chemistry, Analytical Chemistry, invites applications for the position of a

**Research Associate / Assistant Professor in Biopolymer
Structure Analysis/Bioanalytical Mass Spectrometry.**

The position is open **immediately**, initially limited for a period of two years.

Responsibilities:

The scientist is expected to carry out a research project within a new interdisciplinary research programme, "Mass Spectrometric Biopolymer Structure Analysis," and among other things will be responsible for scientific applications of a high resolution FT-ICR mass spectrometer (with ESI, MALDI, LC-MS, CE-MS equipment, etc.). Current bioanalytical applications focus on: proteome analysis in autoimmune diseases; structure determination of biopolymer complexes; molecular recognition structures; cell surface proteins. The position will enable the scientist to complete a habilitation (or equivalent qualification) within one of the interdisciplinary research areas in the Departments of Chemistry and Biology.

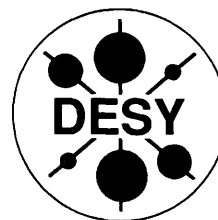
Pre-requisites - Requirements:

A qualified PhD dissertation is expected, e.g., in an area of analytical biochemistry, protein chemistry, or biopolymer analysis, as well as knowledge and experience in analytical applications of mass spectrometry. Knowledge of other areas of structure analysis is desired. We are seeking a highly motivated scientist with enthusiasm in working on interdisciplinary problems in the molecular biosciences and in corresponding research co-operation.

The University is an equal opportunity employer and particularly encourages applications by women.

Applications should be sent **within four weeks** after appearance of this announcement to the **Administration Office, Department of Chemistry, University of Konstanz, 78457 Konstanz, Germany.**

For further information please contact Professor Dr. Przybylski, tel. 00497531/88-2249; e-mail: michael.przybylski@uni-konstanz.de



Leading Senior Scientist in Structural Biology at DESY

DESY is a research laboratory with 1400 employees and more than 3000 guest scientists from Germany and abroad. The scientific program includes particle physics at the Electron-Proton Collider HERA and synchrotron radiation research at the storage rings DORIS and PETRA. The synchrotron radiation activities will be extended by setting up **in-house research in structural biology.**

R&D work for the construction of an e^+e^- linear collider based on superconducting technology with integrated X-ray Free-Electron Lasers is carried out at DESY Hamburg by a large international collaboration including 39 institutions from 9 countries. This facility will provide next generation research tools both for particle physics and synchrotron radiation research. A Free-Electron Laser for the VUV and soft X-ray wavelength range based on the same technology is currently under construction at DESY as an intermediate step to an X-ray FEL. First lasing at 93 nm has been observed recently. Commissioning of the VUV FEL facility will start in the year 2003. Together with these exciting perspectives for future activities, further development of the capabilities of the storage rings DORIS and PETRA for high level synchrotron radiation research remains of prior importance.

DESY invites applications for a **leading senior scientist** (equivalent to a full professor at a university) **in structural biology.** The candidate should be an internationally recognised scientist making extensive use of synchrotron radiation in her/his research. The successful candidate is expected to extend the existing opportunities for structural biology at the storage rings DORIS and PETRA and to have a strong interest in developing research programs which would exploit the unique properties of the X-ray FEL in biology.

Handicapped applicants will be given preference to other applicants with the same qualifications. DESY encourages especially women to apply.

Applications and suggestions of candidates should be sent before May 15th, 2000 to

Prof. Dr. A. Wagner, DESY

Notkestraße 85, D-22607 Hamburg, Germany

Further information about the position can be obtained from Prof. Dr. A. Wagner and Prof. Dr. J.R. Schneider (Jochen.Schneider@DESY.de).

POSITIONS OPEN

The Center for *In Vivo* Microscopy at Duke University invites applications for a **POSTDOCTORAL FELLOW** for a two-year appointment in the Department of Radiology. Candidates should have a Ph.D. in pathology, molecular biology, or toxicology. The successful candidate will join a team of scientists engaged in understanding the potential of magnetic resonance histology in applications of morphologic phenotyping, toxicology, and pathology. Familiarity with computer technology and imaging systems will be beneficial. For more information about the work, please see our website <http://www.civm.mc.duke.edu>. Interested parties should send a résumé and names of at least two references to: **Sue Behringer, Box 3302, Duke University Medical Center, Durham, NC 27710. E-mail: seb@orion.mc.duke.edu; FAX: 919-684-7122. Duke is an Equal Opportunity Employer.**

Two **ADVANCED POSTDOCTORAL POSITIONS** are available to study the role of stress and/or potentially hazardous substances on human and animal models. Parameters to be examined include behavior, neurochemistry, neuroendocrine, neurophysiology, and cardiovascular/ANS. The successful candidate should have expertise in one of these areas and must have demonstrated scholarship. These federally funded positions pay over \$40,000 per year. Candidates may hold the M.D. or Ph.D. degrees. Applicants with an M.D. degree may not be more than two years postresidency or clinical subspecialty training. Ph.D.s must have received their degrees within four years of application. Send curriculum vitae and names and addresses of three references to: **Dr. B. Natelson, Director, Environmental Hazards Research Center; e-mail: cfsasst@nbun.jvnc.net; FAX: 973-395-7114. The Department of Veterans Affairs is an Equal Opportunity Employer.**

POSTDOCTORAL POSITIONS. Weis Center for Research, Penn State: Positions available immediately in the laboratory of **David J. Carey, Ph.D.**, to study the mechanisms of growth factor signaling in Schwann cells. Expertise in primary cell culture, protein purification and characterization, or molecular biology preferred. Send curriculum vitae, brief description of research interest and experience, and names of three references to: **Julie A. Brosius (DJC), Position Number S-7370, Weis Center for Research, 100 North Academy Avenue, Danville, PA 17822-2600. Résumés accepted until July 1, 2000. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION in signaling transduction available to study the stress-induced NF- κ B and JNK pathways (see **Lee et al., Cell 88: 213, 1998; Zhao and Lee, JBC 274:8355, 1999**). Experience in molecular biology required. Send a curriculum vitae and the names of three references to: **Dr. Frank Lee, Department of Pathology and Laboratory Medicine, University of Pennsylvania School of Medicine, 218 John Morgan Building, Philadelphia, PA 19104. FAX: 215-573-2272; e-mail: franklee@
mail.med.upenn.edu. Equal Opportunity Employer.**

A one-year **POSTDOCTORAL FELLOWSHIP** position at Caltech is available immediately in analytical biochemistry dealing with the effects of cross-linking on the physical properties of collagen-rich tissues. Ph.D. and expertise in HPLC and/or LC/MS required. Send application materials electronically to **e-mail: anne@cheme.caltech.edu. The California Institute of Technology is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.**

POSTDOCTORAL POSITION in molecular cell biology is available to study the regulation of the ubiquitin system of protein degradation and endocytosis of cell surface receptors. Experience in cell biology, biochemistry, molecular biology preferred. Send curriculum vitae to: **Alan L. Schwartz, Ph.D., M.D., Box 8116, Washington University School of Medicine, St. Louis, MO 63110. E-mail: schwartz@kids.wustl.edu. Washington University is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIP

A Postdoctoral position is immediately available in the Genetics of Vertebrate Development Group/CDBL/DBS, National Cancer Institute, under the supervision of **Dr. Mark Lewandoski**. The laboratory focuses on the role of the FGF signaling pathway during mouse embryogenesis, using the latest genetic and transgenic techniques to create multiple alleles and tissue-specific knockouts (*Nat. Genet.* **18:136-141**). Projects include genetic screens for identifying downstream targets of FGF signaling, analysis of one such target gene (*Gbx2*) during neurogenesis, and the further development of techniques such as *Cre/loxP* to manipulate the mouse genome *in vivo*. Applicants should have experience in developmental biology and/or molecular biology.

The Division of Basic Sciences is part of the National Cancer Institute and is located at the NCI-Fredrick Cancer Research and Development Center, Frederick, Maryland (45 miles north of Washington, D.C.). The National Cancer Institute offers competitive Postdoctoral stipends (\$29,000 to \$36,200) and an excellent work environment. Interested applicants should send curriculum vitae, an introductory letter containing a brief description of research experience, and contact information for three references to: **Dr. Mark Lewandoski, GVD/CDBL/DBS, National Cancer Institute-FCRDC, P.O. Box B, Building 539, Room 105, Frederick, MD 21702. E-mail: mlewandowski@ncifcrf.gov.**

POSTDOCTORAL POSITIONS DEPARTMENT OF DERMATOLOGY COLUMBIA UNIVERSITY

Two NIH-sponsored Postdoctoral research and training positions available for research in investigative dermatology and genetic mechanisms of skin diseases. Applicants must have a Ph.D. or M.D. and a strong background in molecular biology and cell culture techniques.

Specific areas of investigation include molecular basis of hair disorders, cell cycle checkpoints in keratinocytes, genetic basis of Cowden's syndrome and porphyria, molecular mechanisms of mastocytosis and UV light-regulated signal transduction of skin, and complex trait analysis of genodermatoses. *NIH fellowships require U.S. citizenship or permanent resident status.*

Send curriculum vitae and three references to: **Columbia University, Department of Dermatology, 630 West 168th Street, VC 15, New York, NY 10032. E-mail: cd11@columbia.edu; FAX: 212-305-7391. We take Affirmative Action toward Equal Employment Opportunity.**

POSTDOCTORAL POSITION University of North Carolina

Two Postdoctoral positions on X-ray crystallography are available in the Department of Biochemistry and Biophysics at University of North Carolina. Under an NIH-funded project, successful applicants will study the structure and function of medically important proteins such as phosphodiesterase and calcineurin. Preference will be given to candidates with experiences of molecular cloning, protein purification, or crystallization. Interested and qualified candidates with Ph.D. or equivalent degrees should send curriculum vitae and three letters of recommendation to: **Dr. Hengming Ke, Department of Biochemistry and Biophysics, 320 M.E. Jones, CB 7260, University of North Carolina, Chapel Hill, NC 27599. E-mail: hke@med.unc.edu; Telephone: 919-966-2244; FAX: 919-966-2852.**

Two **POSTDOCTORAL POSITIONS** are available in the program of cardiovascular sciences at the University of Illinois at Chicago to study cardiac muscle function and cellular determinant of muscle growth. The ideal candidate should have background in calcium imaging, cellular electrophysiology, and/or molecular biology. *U.S. citizenship or permanent residency status is preferred.* Please send curriculum vitae and names of three references to: **Peter M. Buttrick, M.D., and/or Beata M. Holska, Ph.D., University of Illinois at Chicago, Department of Medicine, Section of Cardiology (M/C 787), 840 South Wood Street, Chicago, IL 60612.**

POSITIONS OPEN

POSTDOCTORAL POSITIONS

Positions are available from July 1, 2000, to join a group of investigators examining calcium release processes in muscle and nonmuscle cells using electrophysiological, optical, molecular, and genetic approaches. Applicants should have a Doctoral degree and prior research experience in electrophysiology, confocal microscopy, protein biochemistry, transgenesis, or molecular biology. Please send application, including curriculum vitae and three references, to:

**Dr. Michael I. Kotlikoff
Professor and Chairman
Department of Biomedical Sciences
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POSTDOCTORAL POSITIONS (1) Protein-protein interactions of recombinant membrane receptors and ligands that are involved with immune recognition, using surface plasmon resonance (Biacore 3000), microcalorimetry, and other biophysical instrumentation. Requires a solid background in protein biophysics. (2) Molecular design of vaccines for control of infectious diseases. Requires experience in molecular biology and background in immunology or microbiology. *Preference is given to U.S. citizens or permanent residents.* Send curriculum vitae and names of three references to: **Dr. Robert G. Ulrich, Laboratory of Molecular Immunology, Army Medical Research Institute of Infectious Diseases, 1425 Porter Street, Frederick, MD 21702-5011. E-mail: ulrich@ncifcrf.gov. Equal Opportunity Employer.**

POSTDOCTORAL POSITIONS are available in the area of control of metallothionein and ribosomal gene expression in animal cells to work in a well-established laboratory. Funds available for at least five years. Practically all modern molecular biology techniques are used for research (representative publications: *J. Biol. Chem.* **270:8637-8641; 273:27904-27910; 274:28584-28589; 275:539-547; PNAS** **95:10390-10395**). Experience in molecular biology/molecular genetics research is required. Send curriculum vitae and names of three references to: **Administrator, Department of Molecular and Cellular Biochemistry, The Ohio State University College of Medicine, 333 Hamilton Hall, 1645 Neil Avenue, Columbus, OH 43210. E-mail: clemente.1@osu.edu. The Ohio State University is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITIONS IN NEUROSCIENCE Harvard Medical School and Children's Hospital

Positions available now through autumn to study repair of complex cortical circuitry and manipulation of neural precursors, molecular controls over differentiation of projection neuron precursors in cortex, and induction of neurogenesis in adults (*Neuron* **25: 481; Neuron** **22:313; PNAS** **94:11663**). Experience in molecular and cellular neuroscience, neural transplantation, and/or neocortical development desired. Reply with statement of research interests to: **Dr. Jeffrey Macklis, Division of Neuroscience, 320 Longwood Avenue, Boston, MA 02115.**

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CONFERENCES

SECOND INTERNATIONAL VETERINARY VACCINES AND DIAGNOSTICS CONFERENCE (IVVDC 2000) Oxford, United Kingdom 23-28 July 2000

Topics include: vaccinology today, applied immunology, companion animal and farm animal vaccines (including fish), commercial trends and demands, diagnostics in epidemiology, and designer vaccines for the future. Contact: **Wendy Galvin**; Telephone: +44-0-1635-578411, extension 2538; FAX: +44-0-1635-577303; e-mail: wendy.galvin@bbsrc.ac.uk; website: <http://www.iah.bbsrc.ac.uk/ivvdc/oxford>

EUROPEAN OPPORTUNITIES

POSTDOCTORAL POSITION IN PHYSICAL CHEMISTRY is available. We investigate order, molecular structure, and dynamics of liquid crystals and solids by using various NMR techniques and computer simulations. The successful candidate should possess a Ph.D. degree in chemistry or physics and have experience in NMR spectroscopy or computer simulations. See also the websites: <http://www.fos.su.se/~arnold/lcproject.html> and <http://www.fos.su.se/~dick/research.html>. Curriculum vitae and three letters of reference should be sent to: **Arnold Maliniak**, Physical Chemistry, Arrhenius Laboratory, 106 91 Stockholm, Sweden.

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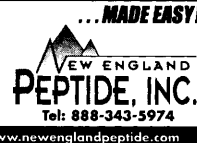
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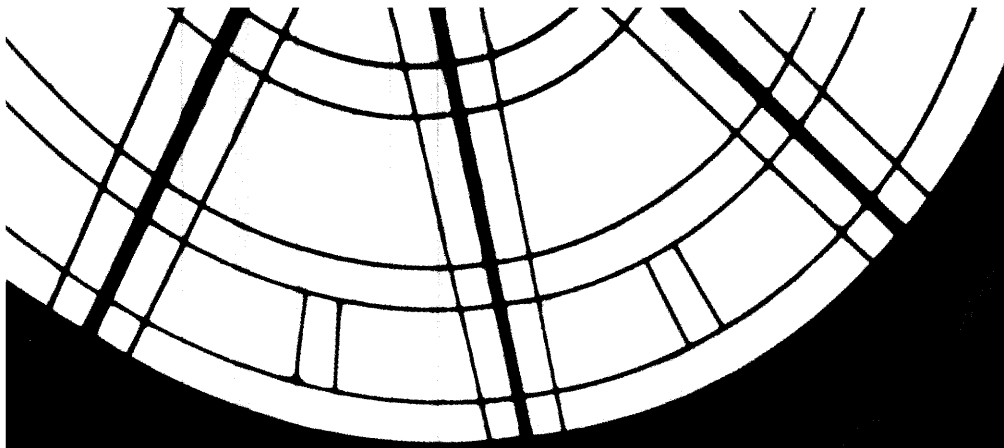

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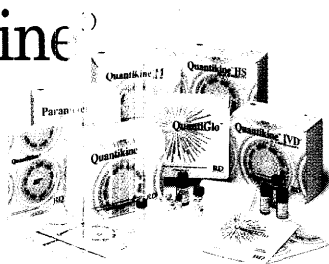
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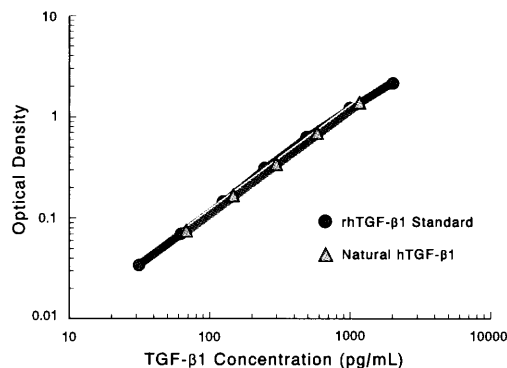
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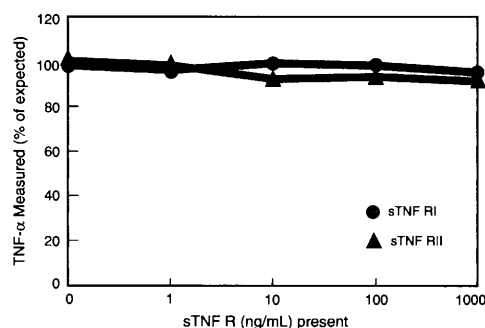
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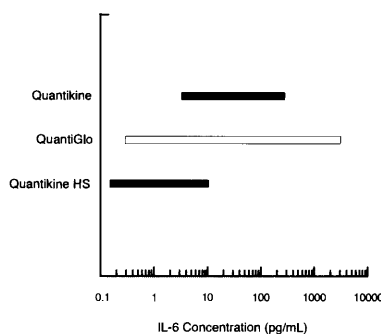


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