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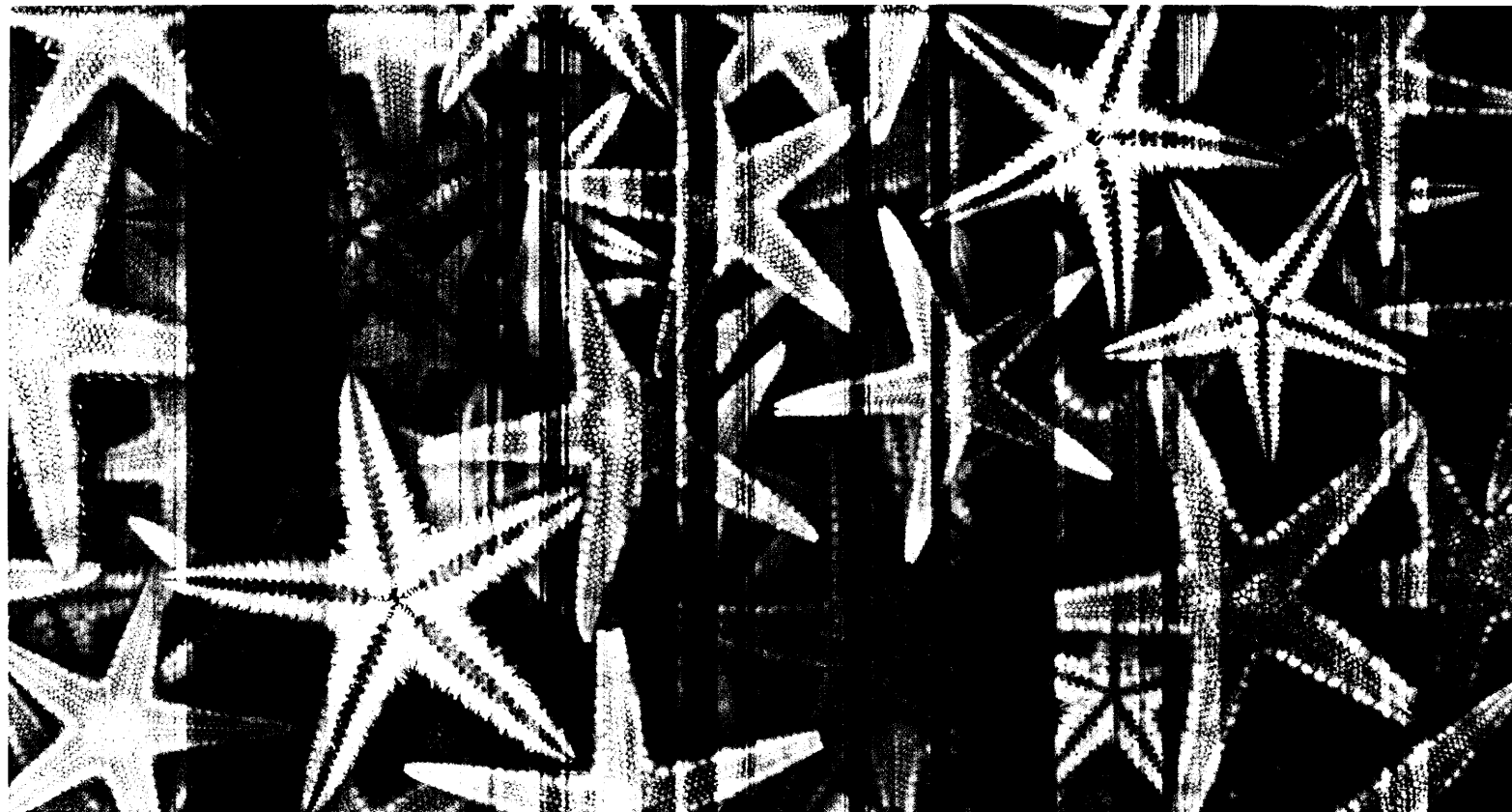
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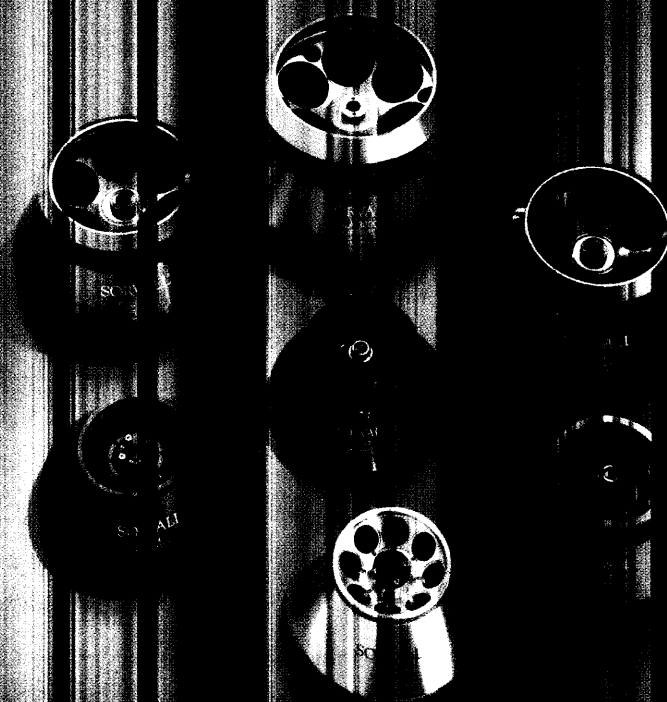
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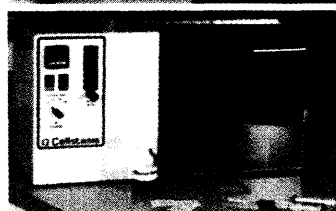
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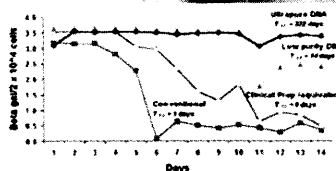


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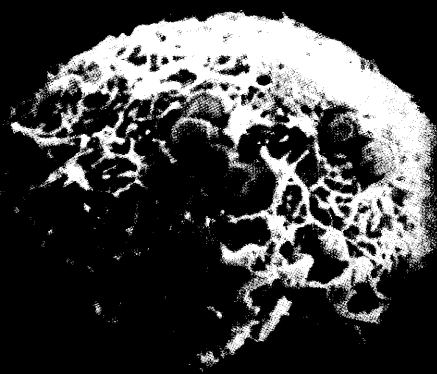
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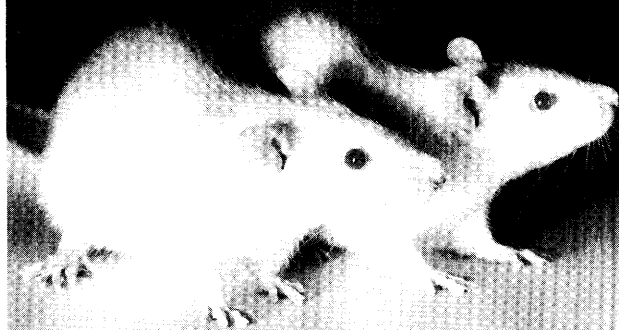
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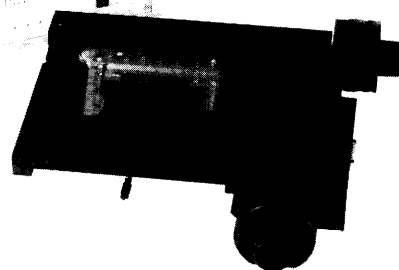
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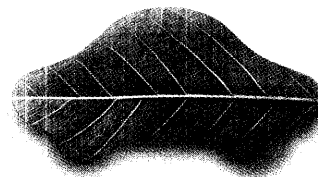
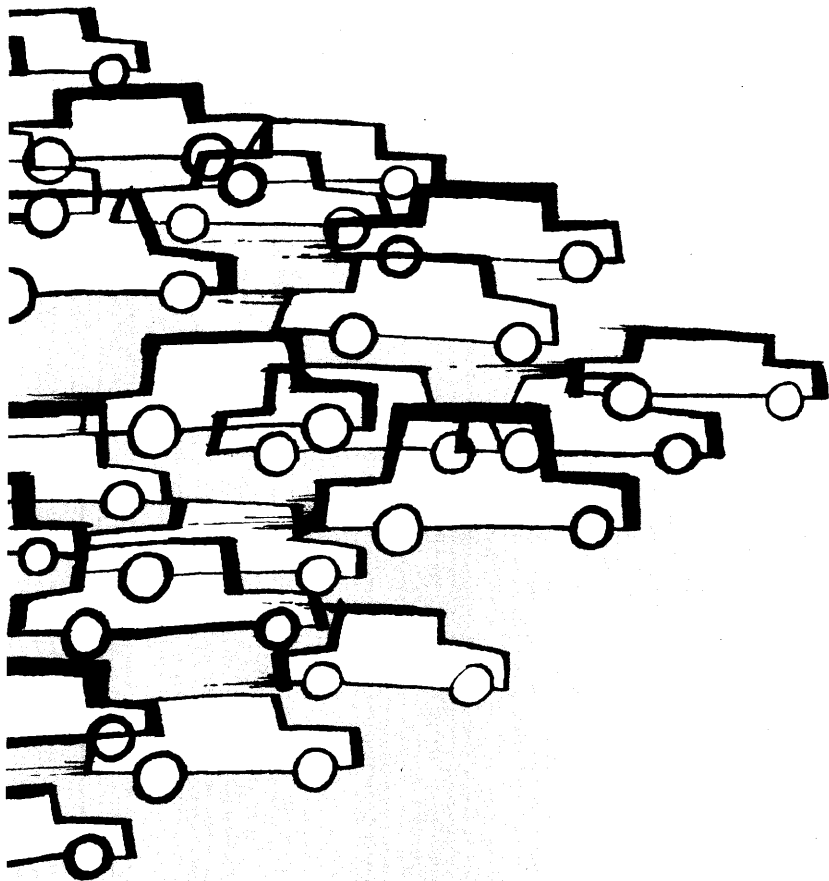


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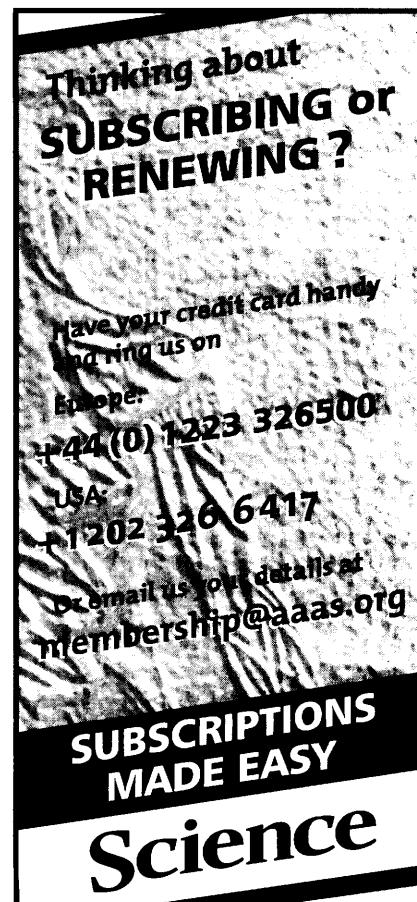
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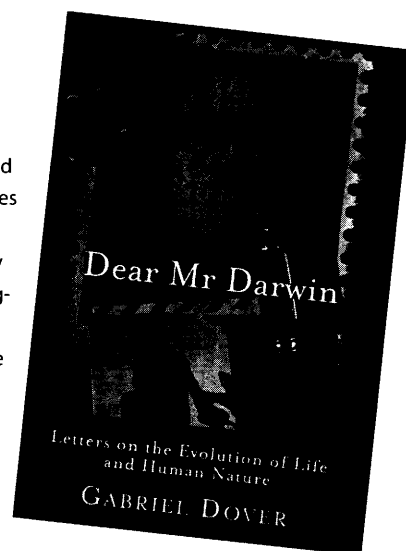
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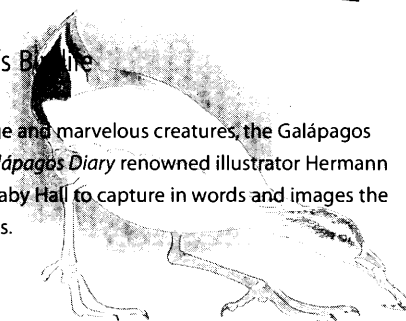
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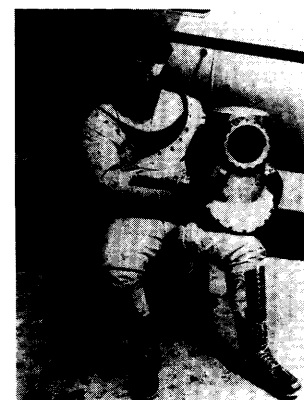
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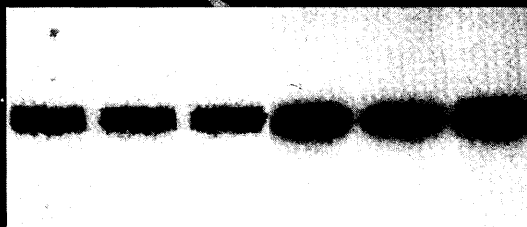
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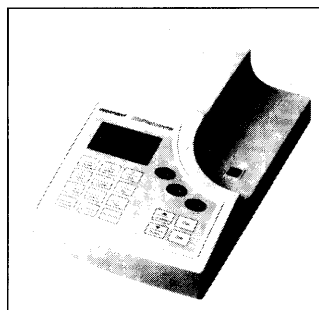
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- Building Gene Families – Gene Families: The Taxonomy of Protein Paralogs and Chimeras October 24, 1997
- A Gene Map of the Human Genome October 25, 1996
- The Minimal Gene Complement of *Mycoplasma genitalium* October 20, 1995

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### POSITIONS OPEN

#### SCIENTIST FACULTY POSITIONS DEPARTMENT OF NEUROSCIENCES University of New Mexico Health Sciences Center

Bioinformatics Scientist faculty position. The Department of Neurosciences invites applications for a tenure-track position at the **ASSISTANT/ASSOCIATE PROFESSOR** level from candidates whose research interests include the application of gene expression profiling, proteomics, or other bioinformatic approaches in conjunction with state-of-the-art neuroscience techniques to study mammalian nervous system development or the consequences of pharmacologic or neuropathologic alterations in animal models of human neurologic or psychiatric disease.

fMRI Scientist faculty position. The Department of Neurosciences invites applications for a tenure-track position at the **ASSISTANT/ASSOCIATE PROFESSOR** level from candidates whose research includes combined magnetic resonance and other neuroscience (possibly electrophysiological or optical imaging) approaches to the investigation of animal models of human brain function under normal and pathological conditions.

Applicants for either faculty positions must have a Ph.D. and/or M.D. degree in a neuroscience-related area with postdoctoral or fellowship training and a strong record of research accomplishments. Successful applicants will be expected to participate in graduate and medical education programs and develop an independent, extramurally funded research program, which is interactive within the Department as well as the growing community of neuroscience investigators at UNM, the UNM-Albuquerque High-Performance Computer Science, the Sandia and Los Alamos National Laboratories, and the National Foundation for Functional Brain Imaging. For information about neuroscience research at UNM, see website: <http://www.unm.edu/~neurohsc>. Send curriculum vitae, concise description of research goals and plans, and names of three references to: **Chair, Faculty Search Committee, Department of Neurosciences, BMSB 145, University of New Mexico School of Medicine, Albuquerque, NM 87131-5223**. Applications must be received by January 10, 2001. *UNM is an Equal Opportunity/Affirmative Action Employer and Educator. Applicants must be eligible to work in the United States.*

#### RESEARCH ASSOCIATE (75%-100% TIME) ANNUALLY RENEWABLE APPOINTMENT University of Minnesota Center for Immunology

Our laboratory uses mouse models (transgenic and knockout) to investigate B lymphocyte immune function, development, and tolerance. Responsibilities will include participating in the design, execution, and interpretation of experiments to evaluate these mouse models using a wide variety of techniques. Duties will also include supervision of at least one technician, some training of students and postdoctorals, and assisting in the writing of research reports. Salary will be commensurate with experience and will be competitive. Qualifications: Ph.D. and/or M.D. degree and at least two to three years of postdoctoral experience in research relevant to the studies described above. Preference will be given to a candidate with outstanding interpersonal skills, high-quality published papers during doctoral and postdoctoral work, and those with previous research experience in the area of immunology, molecular biology, and/or biochemistry. Please send curriculum vitae, a brief letter summarizing research experience and interests, and the names and contact information for three references to: **Tim Behrens, M.D., Professor of Medicine, University of Minnesota, 6-126 BSBE Building, 312 Church Street S.E., Minneapolis, MN 55455. FAX: 612-625-2199; e-mail: behre001@tc.umn.edu**. Applications will be reviewed beginning December 1, 2000, and accepted until position is filled. *The University of Minnesota is an Equal Opportunity Educator and Employer.*

### POSITIONS OPEN

#### WOODS HOLE: SENSORY BIOLOGY/BEHAVIOR/POPULATION ECOLOGY Boston University and the Marine Biological Laboratory

Boston University and the Marine Biological Laboratory (MBL) offer two new faculty positions in Woods Hole. This is a joint initiative spanning neuroscience, behavior, and ecology. Both institutions have strengths across these areas, and there is ample opportunity for interaction with a larger community of Scientists throughout Woods Hole and Boston. The Boston University Marine Program (BUMP) is located at the MBL, which has a history of using marine and aquatic animals for advancing the biomedical and basic biological sciences. There are year-round research programs in molecular, cell, organismal, and ecosystems biology (visit websites: <http://www.mbl.edu> and <http://bio.bu.edu>). The MBL conducts strong summer research and educational programs that complement the BUMP educational programs. There are extensive and sophisticated marine facilities available for experimentation, including a new freshwater zebrafish culture facility.

**ASSISTANT OR ASSOCIATE PROFESSOR** in behavioral ecology/population dynamics. Areas of interest for this tenure-track Boston University position include the sensory, behavioral, life history, and/or genetic mechanisms that influence the dynamics of marine population dispersal, recruitment, and genetic diversity. The successful applicant will be expected to establish a vigorous extramurally funded research program and to participate in teaching at the undergraduate and graduate levels. Start-up support funds are provided.

**ASSISTANT OR ASSOCIATE SCIENTIST** in neuroscience/sensory biology. Areas of interest for this MBL position are broad, ranging from integrative and behavioral neurobiology to cellular, molecular, genetic, and developmental neurobiology. There is particular interest in candidates who study some aspect of sensory systems and use marine or aquatic organisms as models in biomedical or basic biological research. The successful applicant will be expected to establish a vigorous extramurally funded research program. Start-up support funds are provided.

Candidates must have a Ph.D. and strong postdoctoral experience. All applicants for both positions should supply a letter explaining their research interests and professional goals, curriculum vitae, and names and addresses of three references to: **BUMP/MBL Search, Human Resources Office, Marine Biological Laboratory, 7 MBL Street, Woods Hole, MA 02543**. Inquiries for the BUMP position should be directed to e-mail: [BUMP-search@bu.edu](mailto:BUMP-search@bu.edu); those for the MBL position to e-mail: [mbl.mrc.search@mbl.edu](mailto:mbl.mrc.search@mbl.edu). Initial review of applications will begin 1 February 2001. *Both are Equal Opportunity/Affirmative Action Employers/Nonsmoking workplaces.*

### PLANT BIOLOGIST

University of Wisconsin-Eau Claire, a selective, primarily undergraduate comprehensive university, seeks a tenure-track **ASSISTANT PROFESSOR** beginning August 2001 to serve in a highly collegial, modern biology department. Plant Biologist to teach plant biology, plant physiology, and participate in a developmental biology course. Candidates must enjoy teaching both majors and nonmajors. The Department strives for excellence in teaching and encourages student/faculty development through support of research. The successful candidate will have newly renovated teaching and research facilities and substantial start-up funds. The University supports ongoing research through internal programs and assistance in extramural grant development. Ph.D. required. Priority deadline: January 22, 2001. Send inquiry to: **Chair, Department of Biology, University of Wisconsin-Eau Claire, Eau Claire, WI 54702-4004. E-mail: [GLENNAL@UWEC.EDU](mailto:GLENNAL@UWEC.EDU); Telephone: 715-836-4166; FAX: 715-836-5089; website: [www.uwec.edu/Academic/Biology/biology.html](http://www.uwec.edu/Academic/Biology/biology.html). Equal Opportunity/Affirmative Action Employer.**

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### **Sr/Staff Scientist-Purification Development**

Senior scientist in projects targeted to purify rDNA protein to homogeneity from cell culture broth. Working with a diversified group of personnel of varying technical abilities will require knowledge of purification and characterization techniques. Requires MS/PhD in Biochemistry/Protein Chemistry, Chemical Engineering or related field and 8+ years' industrial experience in column chromatography, ultrafiltration and other purification methodologies. Experience in protein purification under cGMP guidelines required. Must be able to work off-shift and weekends. **Job Code SW1026**

### **Sr Scientist-Molecular & Cellular Biology**

Develop mammalian cell technology and derivation of production cell lines for biological leads, plus characterization of genetic stability of production cells. Strong skills in serum-free cell culture and qPCR techniques; expertise in FACS and its application (cell sorting) to improve cell line behavior in low-perfusion bioreactors. Requires PhD with 6+ years of postdoctoral experience in cell biology and molecular biology. **Job Code SW1042**

### **Sr Research Scientist/Principal Scientist**

We seek a neuroscientist to lead a drug discovery effort focused on protein therapeutics, plus to interact with molecular and cellular biologists, pharmacologists, bioinformatics scientists at Berkeley and neuroscientists within Bayer. Design and manage experiments using expression profiling technologies on neuronal cell systems. Hands-on experience with in vitro models of neuronal development and differentiation, plus knowledge of in vivo applications required. Requires PhD with 2+ years' post-doctoral experience in neurosciences research. **Job Code SW0995**

### **Sr Staff Scientist, Cell Biologist**

With an eye toward improving our cell banking technology, responsible for preparing cell banks for production cell lines. Utilize your strong analytical and documentation skills to develop and conduct cell-based assays for the analysis of candidate protein products. Requires PhD with 8+ years' experience, encompassing GMP cell banking, regulatory issues, and molecular and cellular biology. Significant scientific contributions through publications and technical presentations. **Job Code SW0950**

### **Scientist/Sr Associate-Analytics & Formulation**

Propose, plan, conduct and evaluate experimental approaches for structural characterization of recombinant glycoproteins. Projects will involve structural characterization of recombinant proteins using a variety of biochemical techniques: amino acid analysis, N-terminal sequencing, SDS-PAGE, HPLC, and mass spectrometry. Requires PhD or MS with proven experience. Protein structural characterization background essential. **Job Code SW0914**

### **Sr Research Scientist**

We seek a protein scientist to join an innovative program focusing on generation of novel therapeutic agents by the engineering of novel functions into proteins. Must have a fundamental understanding of protein structure and function, record of applying this knowledge in a biological/medical context, and ability to formulate innovative therapeutic hypotheses. Experience with targeted and random mutagenesis strategies applied to the study of protein function and with biochemical analysis of protein function or protein-protein interactions needed. Requires PhD in Biochemistry, Molecular Biology or related field and 2+ years of relevant post-doctoral experience. **Job Code SW0963**

### **Staff Scientist-Molecular Pathology**

Within Preclinical Development, establish a core Molecular Pathology research laboratory with capabilities in nonisotopic in situ hybridization procedures, immunohistochemistry, quantitative PCR, RT PCR, and routine histopathology procedures in support of Discovery Research. Requires MD, DVM or VMD, and/or PhD in Comparative Pathology, with 5+ years of relevant experience. Certification or eligibility for certification by the American College of Pathologists or American College of Veterinary Pathologists preferred. Demonstrated expertise in in situ hybridization techniques, immunohistochemistry, PCR technology and other molecular techniques required. **Job Code SW0524**

### **Sr Research Scientist-Toxicology**

Participate on multidisciplinary international project teams responsible for all aspects of discovery and development of novel therapeutics. Design and implement preclinical safety studies for the evaluation of biotechnology-derived therapeutic proteins. Requires PhD with 4+ years' applicable work experience. Thorough knowledge of GLP regulations and international requirements required. **Job Code SW0936**

### **Sr Research/Principal Scientist-Preclinical Development**

Design, execute, interpret and report studies to determine the toxicologic profile of biotechnology-derived therapeutic agents in discovery and development. As Group Leader for the Toxicology Group, collaborate with cross-functional scientists to complete preclinical safety evaluation of protein therapeutics in support of regulatory submissions and clinical trials. Meet regulatory requirements of US, European and Japanese regulatory agencies. Requires PhD and 6+ years in the pharmaceutical industry in design and interpretation of preclinical safety evaluation programs. Thorough knowledge of GLP regulations and international regulatory requirements. Certification by the American Board of Toxicology highly desirable. **Job Code SW1142**

### **Staff Scientist-Analytical Development**

Lead a structural characterization group responsible for biophysical characterization of recombinant proteins. Requires PhD with 6+ years of proven experience in biophysical analysis of proteins using circular dichroism, fluorescence spectroscopy, calorimetric methods and other biophysical techniques. Familiarity with the application of biophysical methods to protein formulation development and stability, thorough knowledge of protein structure and supervisory experience required. **Job Code SW0624**


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### IN VIVO PHARMACOLOGY OPPORTUNITIES

#### RESEARCH ASSOCIATE, DRUG METABOLISM (2 POSITIONS)

Perform LC/MS/MS assay development and validation for small molecules and their metabolites to support *in vitro* drug metabolism studies, perform basic data analysis, and prepare internal analytical reports. Requires a BS/MS or equivalent in Chemistry, Analytical Chemistry, Pharmaceutical Sciences or a related field and 2+ years experience with LC/MS or LC/MS/MS.

The second position is responsible for performing hepatocyte isolation and cryopreservation in small animal models, performing tissue culture to support drug metabolism studies, and preparing internal data analysis and summary. Requires a BS/MS or equivalent in Pharmaceutical Sciences, Pharmacology or a related field and 1-2 years experience in hepatocyte isolation and *in vitro* drug metabolism studies. Small animal handling and tissue culture skills are essential.

#### RESEARCH ASSOCIATE, IN VIVO MODELS

Participate in the design and execution of cellular assays to support *in vivo* efficacy models used for inflammatory disease target validation. You'll perform *ex vivo* cellular analyses, such as ELISAs, characterize cell populations and prepare tissues for histology. Requires a BS/MS or equivalent in Biology, Immunology or a related field and 3+ years experience with cellular immunology assays.

#### SR. RESEARCH ASSOCIATE, IN VIVO MODELS

Focus on developing *in vivo* models for inflammatory targets, including helping design and execute small animal models for target validation and proof of efficacy. Requires a BS/MS or equivalent in Biology, Immunology or a related field and 5+ years experience with animal models for human disease with an emphasis on asthma, inflammation or autoimmunity.

#### SCIENTIST I, IN VIVO EFFICACY

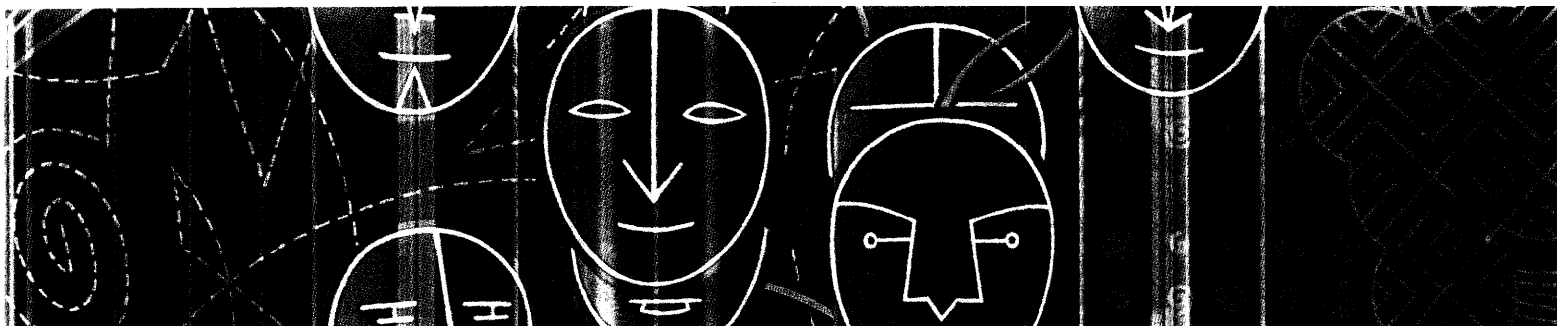
Lead *in vivo* compound screening and candidate characterization in drug discovery programs. Responsibilities include developing and validating animal models of human diseases for novel compound evaluation; designing and performing *in vivo* potency/efficacy/duration experiments. Requires a PhD or equivalent in Pharmacology, Immunology or a related field and 1-3 years experience in small molecule *in vivo* pharmacology.

#### RESEARCH ASSOCIATE, IN VIVO EFFICACY

Responsible for performing drug screens and identifying clinical candidates, developing animal models, and performing compound administration, cannulation, sample collection and various assays for drug actions and side effects. Requires a BS/MS in Pharmacology or a related biological science and 1-3 years animal study and drug evaluation experience using inflammatory and allergic disease models.

#### RESEARCH ASSOCIATE, PHARMACOKINETICS (2 POSITIONS)

Conduct *in vivo* pharmacokinetic studies in small animal models and be responsible for study design, data analysis and pharmacokinetic modeling. Requires a BS/MS in Pharmaceutical Sciences, Pharmacology or a related field and 2+ years experience with *in vivo* studies in animal models. Small animal handling, dosing and sampling skills are crucial. The second position is responsible for LC/MS/MS assay development and validation for small molecules to support *in vivo* pharmacokinetics or drug metabolism studies. Requires a BS/MS in Chemistry, Analytical Chemistry or a related field and at least 2+ years experience with LC/MS or LC/MS/MS.



## **BIOTHERAPEUTICS OPPORTUNITIES**

**DIRECTOR, BIOANALYTICAL ASSAYS AND  
ASSAY DEVELOPMENT**

**ASSOCIATE DIRECTOR,  
IN VIVO TUMOR BIOLOGY**

**SENIOR SCIENTIST,  
TARGET VALIDATION/TRANSPLANT GROUP**

**SENIOR SCIENTIST,  
IMMUNOBIOLOGY/INFLAMMATION**

**DIRECTOR, SCIENCE/RESEARCH/CLINICAL**

**SENIOR SCIENTIST,  
ASSAY DEVELOPMENT LEADER,  
NONCLINICAL DEVELOPMENT**

**PRECLINICAL DEVELOPMENT ASSOCIATE,  
NONCLINICAL DEVELOPMENT**

**RESEARCH ASSOCIATE, ASSAY DEVELOPMENT**

## **OTHER OPPORTUNITIES**

### **Sr. SCIENTIST**

- Lead Optimization
- Protein Biochemistry

### **SCIENTIST**

- In vivo Tumor Models
- Immunology/Inflammation/Cellular Signaling
- Bioinformatics/Oncology Targets
  - Thrombosis
- Combinatorial Chemistry
- Protein Mass Spectrometry
  - Enzymology
  - GPCR
  - Toxicology

**ASSOCIATE DIRECTOR, METABOLIC PHARMACOLOGY**

**SCIENTIST II, MOLECULAR PHARMACOLOGY**

**RESEARCH INVESTIGATOR/ASSOCIATE SCIENTIST,  
MOUSE MODELS/ANGIOGENESIS**

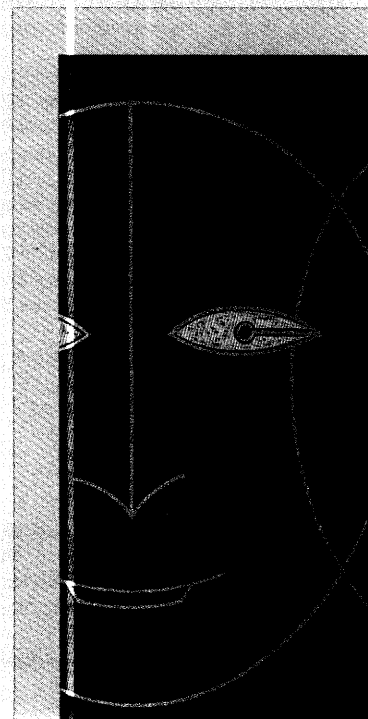
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### Director, Host Defense

You will be responsible for the strategic direction and scientific leadership of new drug discovery programs as well as providing overall management of a large group of PhD and BS/MS staff in novel host defense areas. Candidates will possess a theoretical and practical scientific knowledge equivalent to a PhD in the areas of Immunology, Biochemistry or related fields, and a minimum of 10 years of relevant experience. An outstanding record of scientific achievement and creativity in the area of immune modulation, as evident from recent publications as well as from other tangible measures is required. (Ad Code: 2K1316)

### Investigator/Sr. Investigator

Working in our Cardiovascular Pharmacology Department, you will establish exploratory research projects to evaluate novel targets for the treatment of cardiac and vascular disease, as well as provide your expertise which will be necessary to perform *in vitro* and *in vivo* pharmacological evaluations. You will also establish suitable tissue, animal and/or cellular models to assess novel genomic opportunities in cardiovascular disease. We require a PhD in Pharmacological and/or Cell Biological Sciences and 2 years of Industrial or Academic post-doctoral experience. A broad theoretical and practical scientific knowledge of pharmacology, cardiovascular cell biology and/or integrative cardiovascular physiology is also required. An understanding of the drug discovery process necessary to coordinate and lead multi-disciplinary program efforts is preferred. (Ad Code: 2K1330)

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### Experimental Pathologists

Our Molecular Immunology Department is seeking two Experimental Pathologists to join our multi-disciplinary team in Discovery Research to design and interpret efficacy models on drug development candidates. To qualify, you must have a DVM or MD and a Ph.D., and AVCP board certification in Pathology along with expertise in the application of molecular and cellular pathology techniques to experimental disease models. Specialized research training and diagnostic skills will be required to examine (necropsy, histopathology, clinical pathology, cytology, and electron microscopy) and report investigative and anatomic pathology results. Experience in either developmental biology, vascular biology, oncology or immunology is desirable. Well-developed communication and computer skills also required.

In addition to the tremendously rewarding environment, you will enjoy an exceptional compensation and benefits package. Please submit a resume (Immunex utilizes scanning technology), specifying Job Number 00-0183 /00-0238, to: **Immunex Corporation, 51 University Street, Seattle, WA 98101;**  
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## Cutting-Edge Science Driving the Discovery of New Medicines

As a world-class leader in Research and Development, SmithKline Beecham continues to pioneer innovative pharmaceutical and healthcare products and services. We have the following opportunities available at our state-of-the-art suburban Philadelphia, PA facility.

### **Sr. Investigator - Enzymologist/Kineticist**

The successful candidate will be responsible for detailed mechanistic analysis of novel bacterial enzymes and kinetic studies to characterize the interactions of lead inhibitor molecules with these targets. Proven experience with a variety of fluorescence-based assay formats and knowledge of diverse enzyme systems and assay formats is preferred. Candidates should possess excellent communication skills with a desire to play a pivotal role in a multi-disciplinary team. Both recent post-docs and scientists with several years industry/academic experience should apply. (Ad Code: 2K1025A)

### **Investigator - Microbial Biochemist/Biophysicist**

We are currently evaluating a diverse array of pathways and essential proteins as potential antibacterial targets, and are looking to recruit an individual with proven expertise in microbial biochemistry and biophysics, to assist in the progression of these exciting targets. Responsibilities will include the biochemical and biophysical characterization of proteins and protein-ligand interactions, and the design of biochemical assays for high throughput screens. Expertise in the area of bacterial cell wall biosynthesis and cell division would be advantageous. Applicants should possess a PhD, ideally with postdoctoral experience, in a relevant discipline, excellent communication skills and a desire to play a pivotal role in a multi-disciplinary team. (Ad Code: 2K1298A)

### **Scientists/Sr. Scientists - Molecular Scientists**

The successful candidates will be involved in a variety of antibacterial drug discovery efforts. These include the development of novel molecular genetic technologies, biochemical assays for novel enzymes and the evaluation of their inhibitors. Qualified candidates should have a BS or MS in Microbiology, Biochemistry or Molecular Biology. Expertise in Microbial Genetics, Molecular Biology and/or Biochemistry is essential, along with a good working knowledge in the area of microbial gene modulation, and/or biochemical assay development and inhibitor analysis. Candidates should possess strong communication skills and the ability to work as part of a multi-disciplinary team. (Ad Code: 2K1297A)

### **Postdoctoral Fellowships - Microbial Biochemists/Molecular Scientists**

The successful candidates will work with Gram-positive genetic systems, evaluating their utility in a variety of antimicrobial target discovery projects, in addition to the development of biochemical assays for novel enzymes, and for the evaluation of the inhibitors. Qualified candidates must possess theoretical and practical knowledge in Molecular Biology, Microbiology or Biochemistry typical of a PhD with post-doctoral experience. Expertise in microbial genetics and biochemistry is essential, along with a good working knowledge of microbial gene modulation, biochemical assay development, and inhibitor analysis. Publication is strongly encouraged. (Ad Code: 2K0228A)

### **Postdoctoral Fellowships - Molecular Biologists**

You will complete fundamental research into the mechanism of action of experimental antimicrobial compounds. You will also be responsible for the identification of essential targets and elucidating the mode of action of antimicrobial compounds. Candidates must have experience in Molecular Biology, Biochemistry, and Enzymology. Experience with gene expression and regulation is preferred, experience with antisense RNA is highly desirable. All applicants should possess excellent communication skills and a desire to play a pivotal role in a multi-disciplinary team. (Ad Code: 2K1302A)

### **Scientist/Sr. Scientist - Molecular Scientist/Cell Biologist**

You will employ molecular and cell biology techniques as part of multi-disciplinary drug discovery teams investigating novel therapeutic strategies for infectious diseases. You will also be responsible for planning and executing experiments, analyzing and discussing results, and interacting with other scientists in your own as well as other groups. Qualified candidates must have a BS/MS in a Biological Science or in Molecular Biology, with 1-5 years' post-graduate experience in Molecular Biology, Cell Biology, Biochemistry or Immunology. Skill in RNA manipulation and analysis, and applications of PCR is required, with experience in analyzing differential gene expression desirable. Cell culture experience is preferred. Excellent writing and verbal communication skills are required. (Ad Code: 2K1171A)

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## Scientist

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The position requires a Ph.D. or MD, at least 3 years of postdoctoral training, the ability to formulate & lead innovative projects, and excellent communication skills. Qualified candidates will have a solid background in both cancer biology and signal transduction, and hands-on experience with molecular, cellular and biochemical techniques such as cloning, gene transfection, virus-mediated gene delivery, mammalian tissue culture, and kinase assays.

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# SUGEN

## POSITION OPENING IN BIOLOGICAL APPLICATIONS OF NANOFABRICATION TECHNOLOGY

The National Nanofabrication Users Network (NNUN), a collaboration of 5 university nanofabrication facilities (Cornell, Howard, Penn State, Stanford, and UC-Santa Barbara), seeks to add an additional staff member, to be located at an East Coast site. She or he will play a hands-on role supporting biology and biomedical NNUN users via training, guidance, and process development for biological applications, and will play an outreach role in helping to raise awareness of the potential of nanofabrication among the biology community.

The appointment will be for 3 years (renewable). The successful candidate will hold the Ph.D or M.D. in a relevant biology or biomedical field, or will hold the Ph.D. in engineering or a physical science with a strong background and interest in a relevant area of biology. Hands-on clean room experience in nano- or microfabrication would be a strong plus. Some travel required.

Interviews will begin 1/1/01.

Please submit applications to:

**Director  
Cornell Nanofabrication Facility  
Knight Laboratory, Cornell University  
Ithaca, NY 14853.**

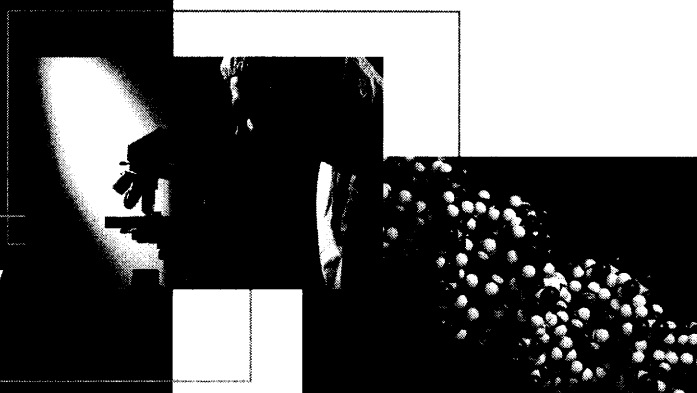
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# Take Your Curiosity



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# The Edge...

...with **Pharmacia Corporation**, a first-tier pharma organization committed to identifying and pursuing the best molecular targets for therapeutic intervention in human disease. Toward this goal, we are fortifying our efforts in post-genome biology. Our newly formed **Global Genomics Group** will focus on building and applying cutting-edge genetic, genomic, and biotechnology methods and approaches. The objective is to identify novel genes and genetic networks involved in disease and to elucidate their function in the normal and pathological state. Genomic scientists will work in close collaboration with scientists from our therapeutic areas of Arthritis and Inflammation, Cardiovascular and Metabolic Disease, Central Nervous System Disease, Infectious Disease, and Oncology to identify and develop new targets.

Within the Global Genomics Group, positions are available in the following areas: **Functional Genomics**, **Cardiovascular Genomics**, and **Arthritis and Inflammation Genomics**. We need dedicated team players with strong decision making and problem solving skills to employ molecular genetic, molecular pharmacological, and biochemical approaches in order to address gain-of-function and loss-of-function phenotypes in appropriate cell-based and *in vivo* models. Strong communication, computer, and team-based skills are essential as candidates will have cross-functional interaction with therapeutic area teams and biotechnology scientists. Current knowledge of genomics approaches is a must. We are currently seeking candidates for these St. Louis-based positions:

## Adenovirus Vector Biologists - BS/MS

Ad Code: 00-1658

Responsible for subcloning and mutagenesis of genes of interest, generating recombinant adenoviral vectors, large scale preparations of vectors, quality control analysis, organizing a vector database/inventory system, and *in vitro* and *in vivo* application of the vectors to assess gene function. Requires a BS or MS in Cell/Molecular Biology or related field combined with 2+ years of postgraduate lab experience, fluency with modern cellular and molecular biology methods, and significant hands-on experience with production and application of recombinant viral vectors. **Respond to:** <http://respond.webhire.com/job/id?479-r1658-J1>

## Adenovirus Vector Biologist - PhD

Ad Code: 00-1661

Responsible for supervising the production of recombinant adenoviral vectors; developing technology to improve viral vector production, performance, and application; investigating alternative gene transfer vectors and methods; creatively applying gene transfer methods *in vitro* and *in vivo* to address gene function; and identifying genes through expression screening approaches. Requires a PhD in Cell/Molecular Biology or related field combined with 3+ years of postdoctoral experience and substantial experience in all aspects of recombinant viral vector production and application. Experience with gene transfer methods applied *in vivo* is desired. **Respond to:** <http://respond.webhire.com/job/id?479-r1661-J1>

## Cell/Molecular Biologist - BS/MS

Ad Code: 00-1662

Join a growing team of Cellular and Molecular Biologists studying gene function *in vitro* through a variety of techniques including antisense oligonucleotide technology. Responsibilities include cDNA subcloning, mammalian cell culture, cellular transfection, and molecular/biochemical assays to measure gene product levels, activity, and function. Requires a BS or MS in Cell/Molecular Biology or related field combined with 2+ years of postgraduate lab experience, fluency with modern cellular and molecular biology methods, and cell culture techniques. The ability to handle multiple projects as well as work independently is essential. Experience with antisense technology is desired. **Respond to:** <http://respond.webhire.com/job/id?479-r1662-J1>

## Protein Biochemist - PhD

Ad Code: 00-1663

Help establish a new technology center in proteomics. Responsibilities include development and automation of novel methods for protein and peptide separation and identification; application of these methods in cell-based, animal models, and clinical studies towards target and biomarker identification. This position will interface with other global proteomics groups. The current therapeutic focus for this position is cardiovascular disease. Requires a PhD in Biochemistry or related field combined with 3+ years of postdoctoral experience and significant experience in protein purification and analysis. Expertise in chromatography, gel electrophoresis technologies and mass spectrometry is required. Experience with automation is desired. **Respond to:** <http://respond.webhire.com/job/id?479-r1663-J1>

## Mouse Models Molecular Biologist - BS/MS

Ad Code: 00-1664

Responsible for building novel gene constructs, contributing to the production of transgenic mice, genotype analysis, and molecular/biochemical assays to assess the physiological impact of transgene expression. The current therapeutic focus for this position is cardiovascular disease. Requires a BS or MS in Cell/Molecular Biology or related field combined with 2+ years of postgraduate lab experience, fluency with gene cloning and other molecular biology methods, and experience with *in vivo* application. Previous work with transgenic or knock-out mice is desired. **Respond to:** <http://respond.webhire.com/job/id?479-r1664-J1>

## Cardiovascular Molecular Biologist - MS/PhD

Ad Code: 00-1665

Responsible for applying molecular genetic approaches *in vitro* and *in vivo* toward a deeper understanding of the molecular processes that control lipid and lipoprotein metabolism. Recombinant viral vectors and transgenic animals will be used to assess function of candidate regulatory genes. Various assays will be employed to monitor physiological impact. Requires an MS or PhD in Cell/Molecular Biology or related field combined with 2+ years of postgraduate lab experience, 2+ years of research in molecular aspects of cardiovascular disease, fluency with modern cellular and molecular biology methods, and *in vivo* experience. Understanding the application of molecular biology approaches to *in vivo* models is desired. **Respond to:** <http://respond.webhire.com/job/id?479-r1665-J1>

Your efforts will be rewarded with generous compensation and benefits. You may submit a resume by our preferred method of response using the appropriate URL address listed above. Or mail/FAX your resume, indicating the Ad Code of the position(s) you are interested in, to: Pharmacia resume processing center, P.O. Box 3600, Nogales, AZ 85621. FAX: 636-737-6419. EEO/AA Employer M/F/D/V

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**St. Jude Children's  
Research Hospital**

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## FACULTY POSITIONS IN BIOCHEMISTRY

**St. Jude Children's Research Hospital**, a private research institute, supports a range of investigation directed at discovering the causes and providing treatment for catastrophic diseases of children. Faculty positions are now available with the Department of Biochemistry. Although preference will be given to applicants who have recently completed postdoctoral training and are seeking positions at the level of Assistant Member, investigators with appropriate research interests and qualifications will be considered for positions of faculty rank. Candidates with programs focusing on the regulation of cell growth, differentiation and transformation, the biochemistry and molecular biology of signal transduction, and mechanisms of gene regulation are particularly encouraged to apply. Opportunities exist for collaborative interactions with basic research programs in Virology and Molecular Biology, Immunology, Tumor Cell Biology and Pharmacology, as well as with clinical investigators in Hematology/Oncology and Infectious Diseases. In addition to new facilities and excellent start-up funds, salaries are nationally competitive and include a generous benefits package. A strong institutional commitment to its faculty ensures stability in program development and continuity of research activities.

Applicants should submit a curriculum vitae, a letter summarizing their research accomplishments and goals, and the names of three references to:

**James N. Ihle, Ph.D.**  
**Howard Hughes Medical Institute**  
**Chairman, Department of Biochemistry**  
**St. Jude Children's Research Hospital**  
**332 North Lauderdale**  
**Memphis, TN 38105 USA**  
**Email: kathy.fry@stjude.org**

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## DIRECTOR PRODUCT DEVELOPMENT

***Diagnostic Laboratories***  
***The Blood Center of***  
***Southeastern Wisconsin***

The Diagnostic Laboratories of The Blood Center are seeking an innovative and entrepreneurial scientist to lead its product development program. The Diagnostic Laboratories provide specialized testing in the areas of molecular diagnostics, transplantation services, coagulation and bleeding disorders, and platelet, red cell, and neutrophil immunology to patients worldwide. The product development laboratory is charged with developing new, cutting-edge tests to augment and expand our test menu. Interaction and collaboration with scientists and physicians, including those at the Center's Blood Research Institute is strongly encouraged, as is publication of relevant research. Applicants should submit curriculum vitae, including names of three references, and a statement of career interests to:



**Debra Edean, Ph.D.**  
**Vice President, Diagnostic Laboratories**  
**The Blood Center of SE WI, Inc.**  
**638 N 18th Street**  
**P.O. Box 2178**  
**Milwaukee, WI 53201-2178**  
**Fax: 414-937-6470**  
**hrs@bcsaw.edu**  
**AA/E/O/E**

The International AIDS Vaccine Initiative (IAVI) is an international, scientific, not-for-profit organization working to accelerate the development and distribution of AIDS vaccines. IAVI's mission is to ensure the development of safe, effective, and accessible preventive AIDS vaccines for use throughout the world.

IAVI's Vaccine Research and Development (R&D) Program works as a virtual vaccine company, through the establishment of Vaccine Development Partnerships which link vaccine designers and manufacturers from industrialized nations with clinical researchers and clinical trials sites in the developing world. IAVI's R&D staff and consultants provide the project management and technical expertise to facilitate accelerated development and testing of multiple candidate AIDS vaccines.

IAVI's R&D Program is currently expanding its professional staff, and is looking for individuals dedicated to excellence and motivated by IAVI's vaccine development mission for the following positions: Medical Director (oversee international clinical trials program), Clinical Research Associate (clinical research support for clinical trials of experimental AIDS vaccines), Project Manager (manage vaccine development programs with international partnerships), Immunology Laboratory Manager (manage central immunology laboratory contracts and reagent production), and Data Manager (manage data entry and contracts associated with experimental AIDS vaccines).

IAVI's R&D Program is also looking for part-time consultants and/or staff in the following disciplines to enhance its capabilities to accelerate AIDS vaccine development testing: Process Development Scientists, Vaccine Manufacturing Professionals, Epidemiologists, International Site Auditors and In-Country Project Managers.

IAVI currently draws support from a number of major foundations including the Rockefeller, Sloan, Starr and Gates Foundations and several governments including the United Kingdom, Netherlands, Canada and Ireland.

IAVI is an equal opportunity employer and is particularly interested in attracting individuals with international backgrounds and experience, and dedicated to accelerating development and delivery of safe and effective AIDS vaccines. Salary is commensurate with experience. For more information on IAVI and position descriptions for the jobs listed above, please visit our Website at [www.iavi.org](http://www.iavi.org).

To apply for any of the positions listed above, please send a cover letter indicating the position of interest and resume or curriculum vitae to: **Executive Assistant, Research and Development, International AIDS Vaccine Initiative, 110 William Street, 27th Floor, New York, New York 10038-3901.**

# MIT

## PLANETARY SCIENCE FACULTY

The Department of Earth, Atmospheric, and Planetary Sciences at MIT invites applications for a faculty position in the area of planetary science. Rank and salary are open, but we particularly encourage potential junior faculty to apply. We seek creative applicants with broad research interests who have a strong understanding of fundamental physical processes. The position is open to outstanding candidates in all areas of planetary science; the areas of solar system formation and planetary evolution are of particular interest. The applicant may have any focus: theoretical, experimental, or observational; applicants capable of initiating and/or taking full advantage of future spacecraft opportunities are encouraged to apply. MIT facilities include the Center for Space Research and a share of the two 6.5 meter telescopes of the Magellan Consortium. Interest in teaching at the graduate and undergraduate level is essential at MIT.

Interested individuals should send curriculum vitae and names of three references to: **Ron Prinn, Department Head, Department of Earth, Atmospheric, and Planetary Sciences, Massachusetts Institute of Technology, 54-918, 77 Massachusetts Avenue, Cambridge, MA, 02139-4307.**



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*(March 24 – May 3)*

#### **Analytical & Quantitative Light Microscopy**

*(May 10 – May 18)*

#### **Microinjection Techniques in Cell Biology**

*(May 22 – May 29)*

#### **Frontiers in Reproduction: Molecular & Cellular Concepts & Approaches**

*(May 24 – July 1)*

#### **Medical Informatics – sponsored by the National Library of Medicine Foundation**

*(May 27 – June 3)*

#### **Biology of Parasitism: Modern Approaches**

*(June 7 – August 4)*

#### **Microbial Diversity**

*(June 10 – July 27)*

#### **Neural Systems & Behavior**

*(June 10 – August 4)*

#### **Neurobiology**

*(June 10 – August 11)*

#### **Physiology: The Biochemical & Molecular Basis of Cell Signaling**

*(June 10 – August 11)*

#### **Embryology: Concepts and Techniques in**

**Modern Developmental Biology** *(June 17 – July 29)*

#### **Summer Program in Neuroscience, Ethics, and Survival (SPINES)**

*(June 9 – July 7)*

#### **Methods in Computational Neuroscience**

*(July 29 – August 26)*

#### **Workshop on Molecular Evolution**

*(July 30 – August 11)*

#### **Molecular Biology of Aging – sponsored by the Ellison Medical Foundation**

*(July 30 – August 18)*

#### **Neurobiology & Development of the Leech**

*(August 11 – August 24)*

#### **Neural Development & Genetics of the Zebrafish**

*(August 12 – August 24)*

#### **Pathogenesis of Neuroimmunologic Diseases**

*(August 13 – August 25)*

#### **Medical Informatics – sponsored by the National Library of Medicine Foundation**

*(Sept 30 – October 7)*

#### **Optical Microscopy & Imaging in the Biomedical Sciences**

*(October 10 – 18)*

**Visit <http://courses.mbl.edu> for more information!**

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Marine Biological Laboratory  
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## Senior Scientist, In Vitro Drug Metabolism

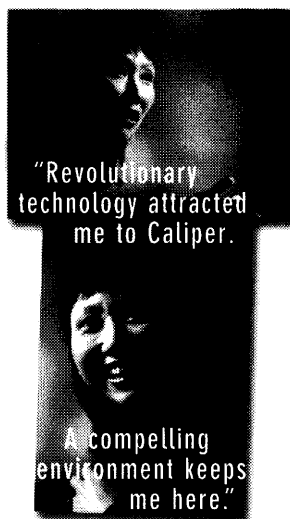
3M Company's Pharmaceutical Division has an immediate opening for a senior level scientist in its Pharmacokinetics and Drug Metabolism department at our corporate headquarters in St. Paul, Minnesota. This position requires a Ph.D. degree in an appropriate scientific field and 5 or more years of experience in the field of drug metabolism, preferably in the pharmaceutical industry. We are seeking an individual with demonstrated leadership capabilities and the ability to lead a small but growing in vitro metabolism group. The successful candidate will have extensive knowledge of and experience in performing in vitro (microsomal and hepatocyte) studies to determine metabolic stability, metabolite profiles and identities, metabolic drug interactions, enzyme (e.g. cytochrome P-450) typology and enzyme induction. Familiarity with membrane transport, laboratory automation, chromatography, and interpretation of NMR, and mass spectrometry data is desirable. Excellent oral and written communication, as well as effective interpersonal communication skills, are a must.

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## FACULTY POSITIONS

### DEPARTMENT OF BIOMEDICAL ENGINEERING

The Department of Biomedical Engineering at Duke University invites applications for tenure track faculty positions available as early as the Fall semester, 2000. Positions are envisioned at the assistant, associate or full professor levels. We are particularly interested in individuals with experimental and/or theoretical research interests in biomaterials, biomechanics, tissue engineering and related areas. Candidates should hold a Ph.D. in biomedical engineering or a related field. More senior candidates must have demonstrated excellence in research. In addition to maintaining a vigorous research program, faculty are expected to participate in graduate and undergraduate teaching and advising.

All applications received by December 31, 2000 will be given full consideration. Applicants should send a curriculum vitae, a statement of planned research, and references to: **Chair, Biomedical Engineering Faculty Search Committee, Department of Biomedical Engineering, Duke University, Box 90281, Durham, NC 27708-0281.**

[hr.duke.edu](http://hr.duke.edu)

# Duke University

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### Food and Drug Administration Director, Food Safety

The Food and Drug Administration (FDA) is seeking candidates for the position of Director, Food Safety, Center for Food Safety and Applied Nutrition (CFSAN). The incumbent is responsible for the planning, management and direction of the President's Food Safety Initiative (FSI). The incumbent serves as the Center's chief spokesperson and provides senior policy direction on food safety issues. He/she will manage a coordinated national and international approach to reducing the incidence of food borne illness and disease threats in the United States through better coordination, enhanced surveillance systems, upgraded inspection strategies, improved scientific and risk assessment capabilities and education. Candidates should have an M.D. degree from an approved medical school or an advanced degree in a relevant scientific field and/or public health. Candidates must have training and experience related to food borne illnesses and infectious diseases and training and experience in epidemiology, public health, or preventive medicine. The salary range is \$115,811 to \$157,000. The position is located in Washington, DC. For further information, please contact Laura Taylor at (301) 827-4178 or the Office of Personnel Management website at [www.usajobs.opm.gov](http://www.usajobs.opm.gov). Submit application material by February 12, 2001 to:

**Laura Taylor**  
Office of Human Resources and Management Services  
Food and Drug Administration  
Room 7B-32, HFA-408, Parklawn Building  
5600 Fishers Lane, Rockville, MD 20857

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## FUNDING OPPORTUNITY

### James S. McDonnell Foundation

21st Century  
Science Initiative-2001  
Application Deadline: March 16

The James S. McDonnell Foundation announces new program descriptions and application guidelines for *The 21st Century Science Initiative*. Support is available for research in three topic areas: Brain Cancer; Bridging Brain, Mind, and Behavior; and Studying Complex Systems. The Foundation will support investigator-initiated research projects and multi-institutional collaborative projects. These programs are not intended to provide additional funding for ongoing research projects. Rather they are intended to encourage new ideas and approaches, early in their development, unlikely to be funded from traditional sources.

#### CONTACT INFORMATION:

Program information and guidelines for the James S. McDonnell Foundation can be found at: [www.jsmf.org](http://www.jsmf.org). Email inquiries may be directed to [info@jsmf.org](mailto:info@jsmf.org). There are no geographic restrictions, international applications are encouraged.

### Bacterial Pathogenesis Faculty Position

#### The University of Texas Medical Branch

The Department of Microbiology and Immunology invites applications for a tenure-track position at the Asst./Assoc. Professor level. Applicants should have an M.D. and/or Ph.D. and will be expected to develop or have an established independent research program relating to bacterial diseases with emphasis on molecular pathogenesis. Current research programs include molecular pathogenesis of bacterial infections, host defenses, vaccine development, investigation of intracellular pathogens, with NIH training programs in tropical and emerging infectious diseases and mucosal immunology. We offer a competitive start-up package, modern laboratory space, and a highly interactive environment. Candidates with microbial genomics/bioinformatics expertise are especially encouraged to apply. For further information about the department visit: <http://microbiology.utmb.edu/>. For full consideration, please send a *curriculum vitae*, a summary of past accomplishments, future research plans, and the names and contact information of four references by January 31, 2001 to:

Bacterial Pathogenesis Search Committee, Department of Microbiology and Immunology, The University of Texas Medical Branch, 301 University Boulevard, Galveston, TX 77555-1070.

UTMB hires only persons authorized to work in the United States. UTMB is an AA/EEO Employer. AFF/D/V

## Innovative Partnerships in the Battle Against Global Disease

SmithKline Beecham Pharmaceuticals, in collaboration with St. Jude Children's Research Hospital and the NIH, has recently been awarded a 3 year, \$2.4 million grant under the NIAID Challenge Grants Initiative for the development of new drugs active against *Mycobacterium tuberculosis* and multi-drug resistant *Staphylococcus aureus* and *Streptococcus pneumoniae*. This exciting project will encompass all early-phase aspects of antibiotic discovery, including Combinatorial Chemistry, Molecular Biology, Microbial Biochemistry/Enzymology and Structural Biology. Nine positions are available.

#### Combinatorial Chemistry

Candidates with experience in solid-phase organic synthesis and combinatorial chemistry are invited to apply to join an integrated team of chemists working on novel anti-infective agents. Three positions at the BS/MS or PhD level are available for chemists with experience or interest in organic synthesis. These positions will be located at the National Institutes of Health in Rockville, MD within the Greater Washington D.C. metropolitan area. (Ad Code: 00792K)

#### Microbial Biochemistry/Enzymology

Candidates with experience in Microbial Biochemistry and Enzymology are invited to apply. Two positions at the BS/MS or PhD level are open in the SmithKline Beecham Anti-Infectives Research Department at Collegeville, PA, in addition to two positions in the Biochemistry Department at St. Jude Children's Research Hospital, Memphis, TN. (Ad Code: 00802K)

#### Crystallography/Molecular Modeling

Candidates with experience of crystallography and molecular modeling in the drug discovery process are invited to apply for two PhD level positions in the Structural Biology Department at St. Jude Children's Research Hospital, Memphis, TN. (Ad Code: 00812K)

For immediate consideration, please apply online at [www.sb.com/careers](http://www.sb.com/careers), indicating Ad Code (ASCII text required). You may also send your scannable resume, which must include Ad Code, to: SmithKline Beecham, c/o National Resume Processing, (Ad Code), P.O. Box 1070, Burlington, MA 01803. Principals only, no agencies, please.

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## MOLECULAR BIOLOGY AND GENETICS

### Assistant Professor – Tenure track

The Department of Molecular Biology and Genetics at the University of Guelph invites applications for a tenure-track faculty position at the Assistant Professor level. High quality applicants working in any area of contemporary eukaryotic molecular biology, genetics and/or genomics are encouraged to apply.

Applicants should have a Ph.D. and appropriate post-doctoral experience, an outstanding research record, the proven ability to work well with others, an established interest in teaching, and enthusiasm and ideas that will excite and inspire their colleagues and students. The successful candidate will be expected to develop an innovative, internationally competitive research programme, supported by external funding, and to contribute to the Department's excellence in graduate and undergraduate teaching.

The Department has 11 faculty members, 10 post-doctoral fellows, and 30 graduate students (<http://www.uoguelph.ca/mbgwww/index.html>). Faculty attracted \$1,700,000 in peer-reviewed external funding in 1997-1998 and have greatly exceeded this amount in 1999-2000 with the approval of multi-year awards from Federal and Provincial agencies. Guelph is one of Canada's most research-intensive universities and can provide a wide range of unique resources and collaborative opportunities to faculty pursuing molecular genetic research. These resources include plant and animal isolation facilities, and advanced diagnostic and analytical services. New Biacore, MALDI-TOF MS, EM, NMR, DNA microarray, and genomics facilities open this year. Molecular Biology & Genetics moves to a new \$89 million research and advanced teaching complex in 2003.

Guelph is a pleasant city of 90,000 with a mild climate, located in the rolling countryside of Southern Ontario. Quick access to the diverse cultural offerings of metropolitan Toronto, to the surrounding agricultural country-side, and to the outdoor recreational possibilities of the Great Lakes and the park-country to the north contribute to a rich quality of life.

The University of Guelph is committed to an employment equity programme that includes special measures to achieve diversity among its faculty and staff. We, therefore, particularly encourage applications from qualified aboriginal Canadians, persons with disabilities, members of visible minorities and women.

*In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and Permanent Residents. This appointment is subject to final budgetary approval.*

Applications, including a curriculum vitae, a statement of research interests, and complete contact information for 3 individuals who may be approached to provide references, should be sent to: **Dr. David Evans, Chair, Department of Molecular Biology and Genetics, College of Biological Sciences, University of Guelph, Guelph, Ontario, CANADA, N1G 2W1.** Screening of applications will begin on January 30, 2001 and will continue until the position is filled.

**UNIVERSITY  
of GUELPH**

## Faculty Positions in Molecular and Cellular Cancer Biology

The Wistar Institute, an NCI-designated Basic Cancer Center, is the nation's first independent biomedical research institute. It is located on the University of Pennsylvania campus and provides a collegial and stimulating research environment with state-of-the-art core facilities for its 30 laboratories.

We are particularly interested in developing the following fields in our Programs in Immunology, Molecular Genetics, Structural Biology and Tumor Biology:

- Early development and neoplastic transformation in the central nervous system
- Animal models of tumorigenesis
- Stem cells and their role in normal and disease processes
- Genomics, proteomics and bioinformatics

Candidates must be highly qualified investigators with Ph.D., M.D., M.D./Ph.D. or equivalent degrees for Assistant and Associate professorships. New faculty are expected to establish vigorous independent research endeavors that complement current studies within the Institute. Highly competitive start-up support will be provided for successful candidates.

Applicants should send curriculum vitae and the names of three references to the **Faculty Search Committee, c/o Human Resources Department, The Wistar Institute, 3601 Spruce Street, Philadelphia, PA 19104.** EOE/AA/M/F/D/V.



**Mayo Clinic**

### Co-Director Molecular Genetic Laboratory

The Mayo Clinic Department of Laboratory Medicine and Pathology has an immediate opening for a Co-Director of the Molecular Genetic Laboratory. The Molecular Genetic Laboratory currently offers a wide range of diagnostic assays for inherited and neoplastic disorders, with an annual volume of approximately 20,000 cases. The successful candidate will have either an M.D. or Ph.D. degree with a minimum 2-3 years experience in clinical molecular genetics. Board certification or eligibility in clinical molecular genetics or molecular pathology is desirable. The appointed individual will join an existing team of co-directors in overseeing a dynamic and expanding laboratory. Clinical responsibilities will include interpretation and signing out of test results, participation in quality control and quality assurance programs and the development of new tests and/or technology. Opportunities are available to develop a research program and to participate in education activities. Rank and salary will be commensurate with experience. A curriculum vitae, cover letter detailing experience, future interests and names of three individuals that can provide letters of recommendation should be sent to:

**Stephen N. Thibodeau, Ph.D.**  
Division of Laboratory Genetics  
Mayo Clinic

200 First Street SW

Rochester, Minnesota 55905

Fax: 507-284-0043 Email: [sthibodeau@mayo.edu](mailto:sthibodeau@mayo.edu)

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

## Dean, College of Science & Liberal Arts

**Responsibilities:** The Dean serves as chief executive officer of NJIT's College of Science & Liberal Arts. The College incl. depts. of Biological Sciences (joint w/Rutgers-Newark), History (joint w/Rutgers-Newark), Humanities & Social Sciences, Mathematical Sciences & Physics. The Dean is a senior academic officer who reports to the Provost & works closely w/the Provost & President + other senior officers to advance the university. Specific responsibilities incl. strategic planning, program evaluation & development, corporate outreach, fundraising, recruitment & selection of new faculty, enrollment & market planning, building & fostering interdisciplinary initiatives in education & research + managing the College's finances & budget. The successful candidate will be a dynamic individual w/clear & compelling vision for science & liberal arts education & research. We seek an individual who can offer innovative solutions to the challenges facing higher education today.

**Qualifications:** Must possess earned doctorate & record of teaching, research & service that merits appointment as a senior faculty member w/tenure in one of the College's depts. The university reserves the right to substitute equiv. education and/or experience at its discretion.

**Applications:** Consideration of applications will begin immediately. Applications should incl. a letter; current curriculum vitae; the names, addresses & telephone numbers of at least 5 current references. **Materials should be addressed to Personnel Box P-DCSLA.**

*Founded in 1881, NJIT is a public research university w/8,800 students & awards approx. 1,400 degrees annually from baccalaureate through PhD in engineering, technology, computing, science, mathematics, architecture, management & the liberal arts. NJIT expends approx. \$45 million annually for research & performs a spectrum of public service functions; economic development is a key component of its mission. NJIT is ranked among the most computing-intensive campuses in the nation. Yahoo! Internet Life magazine ranked NJIT among "America's most wired universities" 1998-2000. NJIT is an equal opportunity, affirmative action, equal access employer & especially encourages applications from minorities, women & persons w/disabilities.*

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Newark, NJ 07102-1982

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**Genentech's people share some pretty uncommon traits. Initiative, creativity, risk-taking—the stuff from which breakthrough medicines are created. Expect the extraordinary. Share your traits with us.**

## **Quality Control-Associate II/III**

As a vital member of the Biological Methods Validation Group in our Quality Control Department, you will take responsibility for the development, optimization, validation and troubleshooting of cell-based and immunochemical assays that assess the potency of Genentech's marketed products. Your excellent communication skills will be an asset in writing new test procedures, designing validation protocols and writing validation reports, as well as representing the groups at various meetings. Additional responsibilities include interacting with other departments for assay transfer and technical support to QC testing, testing for clinical lots (lot-release, stability), summarizing and presenting data, and providing routine lab maintenance to assure cGMP compliance. Requires a BS/MS in Biological Sciences with a minimum of 5 years laboratory experience. A solid understanding of cell biology fundamentals and experience in cell culture and biochemical and immunochemical assay development/performance are required. Experience in methods validation is a plus. Experience in a GMP environment is preferred. Ability to work independently as well as with a team, attention to detail and effective interpersonal and organization skills are essential.

Send your resume, indicating Job Code 2614-SCI, to: Genentech, Inc., HR, Attn: K. Griffin, 1 DNA Way, MS 39A, South San Francisco, CA 94080-4990. Please use plain typefaces. You may email your resume, again indicating Job Code 2614-SCI, to [kgriffin@gene.com](mailto:kgriffin@gene.com). EOE.

[www.gene.com](http://www.gene.com)

**Genentech, Inc.**

incredible people  
extraordinary science

# Opportunities for Scientists

*Tularik Inc. is an established leader in the biopharmaceutical industry, dedicated to the discovery and development of novel therapeutic agents that act through the regulation of gene expression. Our innovative R&D programs offer outstanding opportunities for researchers to conduct cutting-edge research while working with a multidisciplinary team of talented scientists.*

## **Scientist - Metabolic Diseases**

Help us build a new Tularik subsidiary in the area of Metabolic Diseases. As a founding member of this new team, you will be involved in all aspects of target identification and characterization, assay development and high throughput screening (HTS). Qualified candidates will have broad expertise in molecular biology, biochemistry and assay development. We require a Ph.D. and at least 2 years of postdoctoral experience. (Position Code: TPC)

## **Scientists and Postdoctoral Fellows - GPCR Biology**

We have exciting opportunities for several talented Scientists and Postdoctoral Fellows to join our newly formed GPCR Program. As a member of this new team, you will clone and characterize orphan GPCRs and develop novel assays for HTS. Qualified candidates will have expertise in biochemistry, molecular biology and cell biology. Scientist positions require a Ph.D. and at least 3 years of postdoctoral training or work experience. (Position Code: SA)

## **Postdoctoral Fellow - Inflammation**

You will be involved in identifying and characterizing the biology of molecules involved in mediating inflammatory diseases. This position requires a Ph.D. and demonstrated accomplishments in the areas of molecular biology and signal transduction. (Position Code: ZC)

## **Postdoctoral Fellow - Immune Disorders**

As a member of an interdisciplinary team focused on drug discovery, you will carry out research to identify and characterize novel signaling molecules involved in the immune response and inflammatory diseases. Qualified candidates will have a Ph.D. and demonstrated expertise in biochemistry, molecular biology and cell biology. (Position Code: TH-PD)

Tularik provides a strong collaborative and stimulating research environment focused on scientific excellence. In addition to challenging and empowering our employees, we recognize the achievements of individuals and project teams. Tularik offers experienced leadership, employee stock options and a competitive salary and benefits package.

**If you are interested in joining our R&D team, please send your CV, complete with Position Code by e-mail or mail to one of the addresses below:**

[resume@tularik.com](mailto:resume@tularik.com)

or

Human Resources  
2 Corporate Drive  
South San Francisco, CA 94080



**Tularik**

[www.tularik.com](http://www.tularik.com)

### Faculty Position

#### Department of Molecular and Structural Biochemistry North Carolina State University

The Molecular and Structural Biochemistry Department at North Carolina State University invites applications for a tenure-track faculty position at the Assistant Professor level. The Department is in the College of Agriculture and Life Sciences, is affiliated with the College of Physical and Mathematical Sciences, and has interactions with many scientists in the Research Triangle area. The new position will complement existing areas of excellence in nucleic acid and protein structure/function, including regulation of gene expression, in diverse systems and will bridge life science and physical science disciplines across the two Colleges. Although preference will be given to candidates with research programs utilizing biochemical and physical approaches to study macromolecular interactions, chromatin structure, enzyme catalysis, or cellular/organellar systems, individuals with strong research programs in other areas of biochemistry are encouraged to apply. Qualified applicants should provide *curriculum vitae*, a research statement, and a description of teaching interests. Three reference letters should be sent directly. The review process will begin December 1, 2000, and continue until the position is filled. Application material should be addressed to:

Dr. Cynthia Hemenway, Chair, Faculty Search Committee  
Department of Molecular and Structural Biochemistry  
Box 7622, 128 Polk Hall  
North Carolina State University  
Raleigh, NC 27695-7622  
<http://biochem.ncsu.edu>

*NC State University is an equal opportunity and affirmative action employer. Individuals with disabilities desiring accommodations in the application process should contact Dr. Cynthia Hemenway (919-515-5719; [cindy@bchserver.bch.ncsu.edu](mailto:cindy@bchserver.bch.ncsu.edu)) or Dr. Dennis Brown (919-515-5802; [dbrown@bchserver.bch.ncsu.edu](mailto:dbrown@bchserver.bch.ncsu.edu)).*

*Onyx Pharmaceuticals is dedicated to the development of novel therapeutics for cancer and other diseases associated with abnormal cell growth. We're seeking qualified researchers in the following disciplines:*

### Analytical & Formulation Development

Scientists to develop analytical methods for adenovirus characterization. Also involved in process development, pre-formulation and product characterization. Req's a BS (Ph.D. pref'd); experience with protein characterization and molecular biology techniques, as well as cell-based assays and method validation; familiarity with statistical data analysis; and strong communication skills. (Job# 1201-VF)

### Virology

Ph.D's, Assoc. Scientists, and RA's with virus/adenovirus background and extensive exp. in Molecular and Cellular Biology. Viral vector-based gene therapy highly desired. Will work to conceive, plan and execute novel and practical means to treat metastatic disease, using viral platforms. Knowledge of mammalian DNA virus biology, including research training in basic virology commensurate with significant publications demonstrating creative thought, host-virus interactions, genetic regulation or viral replication essential. (Job# 1201-TD)

### Pharm/Tox Tumor Biology

Req's a Ph.D. in pharmacology or related field, with 3+ years experience analyzing biological therapies; knowledge and skills in ADME/pharmacokinetics, the use of radioisotopes and in-life biodistribution studies; and strong communication skills. Exp. in pharmacology, bioimaging, molecular biology, and tumor biology are highly desirable. (Job# 1201-MG)

We offer excellent salaries & benefits, and a collaborative, interdisciplinary work environment. Send resume and a list of references to: **ONYX Pharmaceuticals, 3031 Research Dr., Richmond, CA 94806-5206; fax: 510-222-9758; email: [resumes@onyx-pharm.com](mailto:resumes@onyx-pharm.com). Include resume & references as text in the body of email. NO ATTACHMENTS PLEASE. EOE**

**ONYX**  
P H A R M A C E U T I C A L S

[www.onyx-pharm.com](http://www.onyx-pharm.com)

**Fulfilling the Promise**

## Staff Scientist

Protein Design Labs (PDL) is a leading developer of humanized monoclonal antibodies to prevent or treat various disease conditions. PDL currently has antibodies under development for autoimmune and inflammatory conditions, transplantation and other conditions. Our continued growth has created a great opportunity in our state-of-the-art Fremont, California facility for a dedicated scientific professional to join our team.

You will develop humanized antibodies against oncology targets, study their mechanism of action, and perform preclinical experiments to validate that the antibodies have therapeutic potential. Candidates must possess a Ph.D. or equivalent with 2+ years' experience in tumor cell biology in the areas of signal transduction, cell proliferation, and apoptosis. The ability to direct independent research, a strong publication record, and excellent written/verbal communication skills are required. Experience with animal xenograft models strongly preferred.

We offer competitive salaries/benefits & attractive stock options. Please send resume to:

Protein Design Labs, Inc.  
HR Dept., Attn: Job Code: 695-SCI  
34801 Campus Dr.  
Fremont, CA 94555  
Fax: (510) 574-1448  
Email: [careers@pdl.com](mailto:careers@pdl.com)  
EOE m/f/d/v

[www.pdl.com](http://www.pdl.com)



### Research Scientist Southern Research Institute Frederick, Maryland

For more than 50 years, the people of Southern Research Institute have improved technologies and developed products to enhance quality of life through scientific research. Our scientists and engineers specialize in drug development, drug discovery, engineering, energy and the environment. Everyday we identify needs and provide solutions in these areas using creative concepts, innovative products and breakthrough processes. The Drug Development Division of Southern Research Institute conducts comprehensive pre-clinical drug development and testing as well as basic research in drug design and synthesis, pharmaceutical formulations, toxicology, virology, microbiology, and pharmacology.

We are committed to providing a stimulating work environment, exceeding client expectations, and to furnishing an expanding array of research activities.

The Infectious Disease Department of the Drug Development Division has an immediate opening for a Research Scientist to manage the hepatitis research and drug development program. The successful individual will be responsible for interacting with clients and managing projects from technical, professional and fiscal perspectives. The successful individual will also be responsible for the continued development of an anti-hepatitis drug development program. Duties will also include the management of technical staff. We are seeking candidates with a Ph.D. in Virology, Microbiology, or related field. Experience with hepatitis viruses, especially HBV and HCV, required; must have excellent verbal and written communication; supervisory experience desired, but not required; must have good interpersonal skills, and a demonstrated ability to think creatively and design/develop biological assays.

Competitive salary and comprehensive benefits package. Inquiries may be directed to Dr. Robert Buckheit, Director, Infectious Disease Research Department at (301) 694-3232 or [buckheit@sri.org](mailto:buckheit@sri.org). Please forward your curriculum vitae to **Southern Research Institute, Human Resources Department, 431 Aviation Way, Frederick, Maryland 21701. Must refer to Dept. #811. Fax: (301) 694-7223. EEO/AAP**



## Immunologist

The Laboratory of Tumor Immunology and Biology, Division of Basic Sciences, of the National Cancer Institute, National Institutes of Health, has an opening for an Expert position in tumor immunology. The Laboratory has an active translational research program in cancer vaccines and other novel immunotherapies for cancer. The Laboratory is seeking candidates with experience in the design, development, and use of novel serologic and/or cellular immunoassays to define immune responses to vaccines and other immunotherapeutics in both experimental models and in patients enrolled in collaborative clinical trials. A Ph.D. degree with 5 to 10 years of relevant research experience is desired.

Interested candidates may apply with a CV & bibliography by January 31, 2001 to:

**ARC 10B Personnel**  
**9000 Rockville Pike**  
**Bldg. 31/3A35**  
**Bethesda, Maryland, 20892**

Questions and CVs may also be forwarded via email to: [nci10bpersonnel@mail.nih.gov](mailto:nci10bpersonnel@mail.nih.gov).

NIH is an Equal Opportunity Employer.

## Graduate Study in the Plant Sciences

If you're looking for an **exciting learning environment** where **scientists** work together in an **interdisciplinary environment** to collaboratively tackle **challenging problems** in the **plant sciences**...

consider **Iowa State University**

- Join 350 graduate students and 170 faculty who are pursuing research in the basic and applied plant sciences.

- Participate in the Plant Sciences Institute, a \$400 million combined public and private initiative.

- Opportunities for financial support are available through:

*plant sciences fellowships*  
*biotechnology fellowships*  
*bioinformatics training grant*  
*fellowships*  
*research assistantships*  
*teaching assistantships*

- Stipends up to \$21,000 per year.

**To be eligible, you must apply to a program in the plant sciences by February 1, 2001.**

For information about specific programs and more, go to the Plant Sciences Institute Web site at <http://www.plantsciences.iastate.edu> or the Graduate College Web site at <http://www.grad-college.iastate.edu>

**IOWA STATE UNIVERSITY**  
*Helping you become your best.*

Ames, Iowa



## HARVARD UNIVERSITY

### DEPARTMENT OF EARTH & PLANETARY SCIENCES

The Department of Earth & Planetary Sciences at Harvard University seeks to fill two or more faculty positions at the Assistant or Associate Professor level (untenured). Candidates from all fields of earth sciences including atmospheric sciences, oceanography, geobiology, geochemistry, geophysics, geology, and planetary sciences are encouraged to apply.

Applicants should send a statement of research interests, curriculum vitae, and the names of three references to:

**Professor Jeremy Bloxham, Chair**  
**Department of Earth & Planetary Sciences**  
**Harvard University**  
**20 Oxford Street**  
**Cambridge, MA 02138 USA**

We will begin reviewing applications on December 1st. We particularly encourage applications from women and minorities. Harvard University is an Affirmative Action/Equal Opportunity Employer. For more information about the department, you may visit our web site at [www.eps.harvard.edu](http://www.eps.harvard.edu).

## National Institute of Allergy and Infectious Diseases

### Rocky Mountain Laboratories

### Post-Doctoral Positions in Functional Genomics of Bacterial Pathogenesis

Research positions are available with principal investigators in the Laboratory of Human Bacterial Pathogenesis (LHBP), and Laboratory of Intracellular Parasites (LICP) National Institute of Allergy and Infectious Diseases, Rocky Mountain Laboratories.

**James M. Musser, M.D., Ph.D.:** Molecular basis of human phagocyte interactions and molecular basis of *Mycobacterium tuberculosis* drug resistance and human genetics of infection susceptibility.

**Frank DeLeo, Ph.D.:** Molecular basis of *Yersinia pestis* transmission and pathogenicity.

**Joseph Hinnebusch, Ph.D.:** Genetic basis of *Staphylococcus epidermidis* infections.

**Tom Schwan, Ph.D.:** Molecular adaptations of pathogenic spirochetes in tick and mammalian hosts.

**Michael Otto, Ph.D.:** Molecular pathogenesis of *C. trachomatis* and *C. pneumoniae* infections.

**Patti Rosa, Ph.D.:** Molecular genetics of the infections cycle of the Lyme disease bacterium *Borrelia burgdorferi*.

**Harlan Caldwell, Ph.D.:** Molecular pathogenesis and immunobiology of *C. trachomatis* and *C. pneumoniae* infections.

**Robert Belland, Ph.D.:** Molecular genetics of *Neisseria gonorrhoeae*.

**Ted Mackstadt, Ph.D.:** Cell biology of *Chlamydia*-host interactions, parasite regulation of vesicle trafficking.

LHBP and LICP are located at Rocky Mountain Laboratories in the scenic Bitterroot Valley in Hamilton, Montana. Investigators in these laboratories study fundamental molecular processes of host-pathogen interaction (see <http://www.niaid.nih.gov/dir/labs/lhbp.htm>; <http://www.niaid.nih.gov/dir/labs/lmsf.htm>; <http://www.niaid.nih.gov/dir/labs/licp.htm>). Facilities are available for state-of-the-art genome analysis including high-throughput DNA sequencing and DNA microarray (pathogen and human); proteomics including MALDI-TOF; electron and confocal microscopy, and other imaging techniques; biosafety level-3 pathogen research; and a vivarium that includes non-human primates. Interested applicants should send curriculum vitae and three letters of reference to the appropriate investigator referenced above c/o **Rocky Mountain Laboratories, 903 South 4th Street, Hamilton, MT 59840**. Starting stipend ranges from \$29,000 to \$40,000 commensurate with experience/present salary.



## POSITIONS OPEN

### VISITING ASSISTANT PROFESSOR ENVIRONMENTAL SCIENCE COLORADO COLLEGE

The Colorado College Environmental Science Program seeks applicants for a visiting Assistant Professor to strengthen our newly integrated curriculum. The position begins August 20, 2001. The successful candidate must demonstrate effective undergraduate teaching and have the ability and desire to lead research involving undergraduate students. Familiarity with Southwestern environmental issues, a proven capacity to integrate the humanities, natural and social science perspectives on environmental problems, or experience in GIS are desirable. Courses will include various levels of environmental science and ecology as well as the applicant's area of specialty. Send letter of interest; curriculum vitae; teaching and research philosophies; copies of college and graduate transcripts; and three letters of reference to: **Dr. Howard Drossman, Environmental Science Program Director, Colorado College, Colorado Springs, CO 80903** by January 10, 2001. Website: <http://www.ColoradoCollege.edu/environment/>. *Colorado College is an Equal Opportunity Employer committed to increasing the diversity of the college community. Candidates who can contribute to that goal are particularly encouraged to apply and to identify their strengths or experiences in this area.*

**ASSISTANT/ASSOCIATE PROFESSOR, otolaryngology:** The Department of Otolaryngology at the University of California, Davis, School of Medicine, is recruiting a basic Scientist to develop a research program in head and neck oncology in the genetic and molecular mechanisms that regulate cell growth or program cell death. This position is in the tenure track at the Assistant/Associate Professor level. Candidates are required to have a Ph.D. or M.D. degree and will need to demonstrate evidence of the ability to develop an independent research program with extramural funding. Candidates will be expected to fully participate in the teaching program of the Department, including supervision of resident research projects. This position represents an opportunity to develop an independent basic science program while interacting with faculty and residents interested in translating basic research into clinical trials.

Please send a statement of research interest, curriculum vitae, and names of three references to: **Katherine Kendall, M.D., Assistant Professor, Otolaryngology, 2521 Stockton Boulevard, Suite 7200, Sacramento, CA 95817. Telephone: 916-734-3729; e-mail: katherine.kendall@ucdmc.ucdavis.edu.** This position will be open until filled but not later than February 28, 2001. *The University of California, Davis, is an Affirmative Action/Equal Opportunity Employer.*

### ASSISTANT OR ASSOCIATE PROFESSOR Biochemistry, Biophysics, and Molecular Biology (BBMB) Iowa State University, Ames, Iowa

The Department of BBMB at Iowa State University invites applications from outstanding candidates for a tenured or tenure-track faculty position. The successful candidate will be expected to develop an outstanding research program and to display excellence in teaching at the graduate and undergraduate level. Ample laboratory space and a generous start-up package are available. Further information about the Department is available at website: [www.bb.iastate.edu](http://www.bb.iastate.edu). Candidates should have a Ph.D. or equivalent degree and postdoctoral experience. Applications should include a cover letter, curriculum vitae, a description of research accomplishments and proposals for future research, and three letters of recommendation sent separately to: **Faculty Search Committee, Department of BBMB, 1210 Molecular Biology Building, Iowa State University, Ames, IA 50011-3260.** Review of materials will begin on December 15, 2000, and continue until the position is filled. *Iowa State University is an Affirmative Action/Equal Opportunities Employer. Applications from women and minority candidates are encouraged.*

## POSITIONS OPEN

### ASU ARIZONA STATE UNIVERSITY

#### BIOLOGY AND SOCIETY Arizona State University Main Campus

The Department of Biology invites applications for a tenure-track faculty position at the **ASSISTANT PROFESSOR** level. The successful candidate will be an active contributor to our Biology and Society program. Required are (1) a Ph.D. in an appropriate discipline at the time of appointment; (2) a strong record of professional accomplishments, interests, and abilities that are based in the biological sciences, are broadly interdisciplinary, and integrate perspectives from both life sciences and history/philosophy/social sciences; and (3) teaching and research experience or potential. We particularly encourage candidates with professional interests and experience in ethical issues in biology and who will complement our existing programs. The position has a preferred start date of 16 August 2001 and requires the establishment of a productive research program at ASU and participation in the Department's teaching and mentoring programs.

The Biology and Society program is based in the Department of Biology and engages faculty and undergraduates in interdisciplinary study of the interactions among human society, the living world, and life sciences, especially as these interactions occur in the biomedical, evolutionary, and ecological arenas. The program's offerings and requirements are coordinated with relevant departments, centers, and programs at ASU. Please visit the program's website for more information: <http://lsvl.la.asu.edu/biosoc/>.

Please submit curriculum vitae that includes details of past teaching experiences and other interactions with undergraduates; selected reprints; a statement of teaching accomplishments, interests, and philosophy as they relate to the goals of our Biology and Society program; a statement of research accomplishments and future plans; and three letters of recommendation to: **Chair, Biology and Society Search Committee, Department of Biology, Arizona State University, Tempe, AZ 85287-1501; FAX: 480-965-2519.** Applications from two individuals wishing to share this appointment will be considered. Application deadline is 8 January 2001 with applications reviewed weekly thereafter until the position is filled. *Arizona State University is an Affirmative Action/Equal Opportunity Employer.*

### DEVELOPMENTAL BIOLOGIST UNIVERSITY OF NEW MEXICO SCHOOL OF MEDICINE

The Department of Cell Biology and Physiology invites applications for a tenure-track position at the rank of **ASSISTANT, ASSOCIATE, or FULL PROFESSOR**. The successful applicant should have a research program that uses molecular approaches to examine problems in developmental biology relevant to the etiology of cancer. The UNM Health Sciences Center has enjoyed an unprecedented increase in funding over the past several years, enabling development of state-of-the-art research facilities and significant growth in the number and quality of research programs. Opportunities exist for collaborations with over 150 faculty in the School of Medicine, Cancer Center, College of Pharmacy, Department of Biology, and Sandia and Los Alamos National Laboratories. Qualified candidates must have an advanced degree (Ph.D., M.D., or equivalent), postdoctoral experience, and demonstrated excellence in research and education. For best consideration, applications must be received by December 31, 2000. Send curriculum vitae, a brief description of research and teaching interests, and the names and addresses of three references to: **Developmental Biology Search Committee, Department of Cell Biology and Physiology, University of New Mexico School of Medicine, BMSB, Room 149, Albuquerque, NM 87131.** *UNM is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### CENTER FOR BIOINFORMATICS AND COMPUTATIONAL BIOLOGY University of Maryland, College Park

The University of Maryland invites **FACULTY APPLICATIONS** at all levels for the newly established Center for Bioinformatics and Computational Biology. The campus has substantial resources committed to the Center, including funds for the recruitment of six new faculty with research interests in focused areas of computational genomics such as functional genomics and proteomics. It is anticipated that the primary backgrounds of the new faculty will span computer science, mathematics and statistics, molecular biology, and biochemistry. The primary responsibility of the new faculty will be to lead a focused, nationally visible research program in computational genomics. All the new faculty will be housed in the University of Maryland Institute for Advanced Computer Studies (UMIACS) and will have access to significant high-end computing infrastructure. The new faculty will also be affiliated with at least one of the academic units on campus depending on their interests, with the potential of pursuing research collaborations with nearby outstanding research groups in organizations such as NIH, Celera, TIGR, UMBI, and the Smithsonian. To apply, send a letter of application, curriculum vitae, and a list of suggested names and addresses for letters of recommendation to:

**Dr. Joseph Jafa, Chair of Search Committee  
Center for Bioinformatics and  
Computational Biology  
Institute for Advanced Computer Studies  
University of Maryland  
College Park, MD 20742**

For more information, please contact: **Dr. Joseph Jafa; Telephone: 301-405-6722; e-mail: joseph@umiacs.umd.edu.** Applications will be accepted until the positions are filled. *The University of Maryland is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

### BIOENGINEERING FACULTY POSITIONS

The University of Illinois at Chicago, Department of Bioengineering, invites applications for full-time, tenure-track positions at the **ASSISTANT, ASSOCIATE, and FULL PROFESSOR** levels. Desired areas of interest identified in our recent Whitaker Special Opportunity Award are cell and tissue engineering, neural engineering, and bioinformatics. In addition, we have identified a critical need for individuals with expertise in BioMEMS for neural, cell and tissue, and genomic applications. The Department of Bioengineering offers B.S., M.S., and Ph.D. degrees and has a strong emphasis on graduate training and research. The present enrollment is approximately 100 undergraduate and 100 graduate students. Additionally, an M.D./Ph.D. program is offered jointly by the Department of Bioengineering and the College of Medicine. Campus facilities include the Microfabrication Applications Laboratory, the Biomedical Visualization Laboratory, the Biological Resource Center, complete animal care facilities, and extensive computer resources. UIC is also the home of the National Science Foundation National Center for Data Mining. These positions must be filled by the fall of 2001. The candidate is expected to establish a strong research program, develop new courses in bioengineering, and contribute to the development of the new multidisciplinary activities in the Department of Bioengineering. For fullest consideration, please send detailed curriculum vitae, reprints of publications, a statement of research interests, and the names of three references by January 15, 2001, to:

**R. L. Magin, Ph.D., Chairman  
Faculty Search Committee  
University of Illinois at Chicago  
Department of Bioengineering (M/C 063)  
851 South Morgan Street, Room 218 SE0  
Chicago, IL 60607-7052**

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

# IOWA STATE UNIVERSITY

## OF SCIENCE AND TECHNOLOGY

### Dean, College of Veterinary Medicine

Iowa State University, one of the nation's leading land-grant institutions, invites nominations and applications for the position of dean of the College of Veterinary Medicine.

Iowa State seeks candidates with strong records of leadership in research and scholarship and in working with constituent and professional groups. The successful candidate must possess the DVM or equivalent veterinary degree and preferably hold a graduate degree or specialty board certification in veterinary medicine; qualify to hold a tenured professorship; communicate a vision for the research, teaching, and outreach missions of a land-grant university; have a distinguished record of scholarly accomplishments; be experienced in working with constituent and professional groups; and possess a demonstrated commitment to the principles of diversity. Administrative experience is preferred.

Additional information about Iowa State can be found at [www.iastate.edu](http://www.iastate.edu). The National Animal Disease Center and the National Veterinary Services Laboratories are located nearby and provide research and educational opportunities.

Nominations should include the name and address of the nominee. Applications should include a letter detailing relevant experience and qualifications; a current curriculum vitae; and names, addresses, and telephone numbers of five references. Submit nominations and applications to Dr. James R. Bloedel, Search Committee Chair, Office of the Provost, Iowa State University, Ames, Iowa 50011-2021 or [jbloedel@iastate.edu](mailto:jbloedel@iastate.edu). Address questions to Ms. Ruth Birch at [rbirch@iastate.edu](mailto:rbirch@iastate.edu). Review of applications will begin January 1, 2001, continuing until the position is filled.

Iowa State University is an equal opportunity/affirmative action employer and encourages nominations of, and applications from, women and minority candidates.



Qualified  
undergraduates  
can train and be  
mentored at the  
cutting edge of  
biomedical  
research while  
receiving  
scholarship  
support.

## SCIENCE-RESEARCH SCHOLARSHIP AVAILABLE Opportunities for Outstanding Students

### NATIONAL INSTITUTES OF HEALTH Undergraduate Scholarship Program

The UGSP is sponsored by the National Institutes of Health (NIH), the Federal Government's premier biomedical research and research training agency. NIH offers scholarships to qualified students who are committed to a career in biomedical research.

Scholarships of up to \$20,000 per year support tuition, educational, and qualified living expenses (room, board, transportation) while students pursue an undergraduate degree.

For each award year, scholars work 10 weeks with salary/benefits in our research laboratories in Bethesda, Maryland. They are assigned mentors, participate in developmental and science enrichment seminars, and are provided with housing and transportation. After graduation, they work 1 year of full-time employment at NIH for each year of scholarship award.

### THIS IS A SPECIAL OPPORTUNITY FOR SPECIAL STUDENTS!

#### Advise students to apply if they:

- Are committed to a career in biomedical research;
- Are from a disadvantaged background;
- Have a GPA of at least 3.5 or are in the top 5 percent of their class;
- Are a U.S. citizen, national, or permanent resident;
- Are enrolled or accepted for enrollment as a full-time student at a qualified accredited institution.

#### For more information, contact the UGSP at:

<http://ugsp.info.nih.gov> ■ E-mail: [ugsp@nih.gov](mailto:ugsp@nih.gov)  
Phone: 1-800-528-7689 ■ TTY: 1-888-352-3001

## FOUR FACULTY POSITIONS IN BIOLOGY

The Department of Biology at Indiana University - Purdue University Indianapolis invites applications for four tenure-track positions at the level of Assistant or Associate Professor, beginning August 2001, in the areas of:

**Ecology/Environmental Biology.** The successful candidate will conduct a vigorous research program in ecology or environmental biology. The specific area of research interest is open but ideally would include a combination of field and laboratory approaches. Teaching responsibilities (one course/semester) will include undergraduate ecology for biology majors and a course in the area of the applicant's expertise. The candidate would also coordinate a laboratory course in ecology. Interactions and collaborations with the IUPUI Center for Earth and Environmental Science (CEES) will be encouraged.

**Immunology.** We seek an individual working in any area of cellular or molecular immunology. Applicants must have postdoctoral experience and a record of productive research. In addition to establishing a successful research program, the successful candidate will be required to participate in undergraduate and graduate teaching in immunology (one course/semester).

**Regenerative Biology/Developmental Biology.** Candidates in areas including regulation of tissue and organ development and regeneration; stem cells; intercellular signaling; cell/matrix interactions; or tissue engineering are encouraged to apply. Postdoctoral experience is essential. The successful candidate will teach one course/semester in their area of expertise. In addition to start-up funds, resources of a newly formed Regenerative Biology and Medicine center are available.

**Science Education/Anatomy.** The successful candidate will have a doctorate in Biological Science or Biology Education with a demonstrated commitment to undergraduate education. The tenure-track candidate will be the primary instructor and course director of Human Anatomy, an undergraduate course for health science students, and may also teach upper-level courses in their area of expertise. In addition to excellent teaching, the candidate will establish a strong record of scholarship in science education through development of innovative teaching methods and materials, creative curriculum design, external funding, and publication.

All successful candidates will be expected to establish an extramurally funded research program. Start up funds will be provided. All applicants must have a Ph.D. Applicants should send a c.v., an outline of research interests and future research plans, a statement of teaching interests and accomplishments, copies of 2-3 recent publications and three letters of recommendation to the address below. Please clearly specify the position for which you are applying in your cover letter.

Chair, Search and Screen Committee  
Department of Biology, IUPUI  
723 W. Michigan St.  
Indianapolis, IN 46202-5132

Indiana University - Purdue University Indianapolis (IUPUI) is the third largest campus in Indiana (approx. 28,000 students). It is located in the state capital, a city of over 1 million people, and it encompasses 18 schools with degree programs ranging from the associate degree to the doctorate. The Department of Biology has 21 full-time faculty, 360 undergraduate biology majors and 65 graduate students, including both thesis and non-thesis pre-professional students. Research interests in the Department include cell, molecular, and developmental biology; membrane biochemistry; regeneration; immunology; oncology; plant biology; and science education. The Department of Biology is located on the same campus as the Indiana University School of Medicine and the Indiana University Cancer Center. The biology home page is [www.biology.iupui.edu](http://www.biology.iupui.edu).

Applications should be received by January 15, 2001.

IUPUI is an Equal Opportunity/Affirmative Action Employer. Women and minorities are particularly encouraged to apply.

## POSITIONS OPEN



### CONSERVATION BIOLOGIST Arizona State University Main Campus

We invite applications for a tenure-track position at the **ASSISTANT PROFESSOR** level in the Department of Biology beginning fall 2001. A Ph.D. in a biological science is required at the time of appointment. Candidates for the position must have a primary research interest and record of accomplishments (e.g., publications) in biological aspects of conservation and have teaching experience or potential. The successful candidate will be expected to establish an active research program and to participate in graduate and undergraduate teaching in conservation biology.

Applicants must submit curriculum vitae, copies of selected reprints, a concise statement of research accomplishments and plans, a statement of teaching interests, and arrange to have three letters of reference sent directly to: **Chair of the Conservation Biology Search Committee, Department of Biology, Arizona State University, Box 871501, Tempe, AZ 85287-1501**. Reference letters may also be e-mailed to: [nclesko@asu.edu](mailto:nclesko@asu.edu). Applications from two individuals wishing to share this appointment will be considered. Application deadline is 8 January 2001 or applications will be reviewed weekly thereafter until the position is filled. *Arizona State University is an Affirmative Action/Equal Opportunity Employer.*

### FACULTY POSITION IN BIOPHYSICS INDIANA UNIVERSITY

The Department of Physics at Indiana University invites applications for a **TENURE-TRACK FACULTY POSITION** in the area of biophysics beginning in the fall of 2001. Applications to lead an innovative program in any area of interdisciplinary research at the interface of physics and biology are encouraged. The successful candidate should also have demonstrated ability and desire to teach physics at the undergraduate and graduate levels. Current areas of emphasis in the biophysics program at Indiana University include protein biophysics and biomaterial studies. This opening is part of an expansion of the Biophysics program that is expected to include additional tenure-track positions during the next few years. Related programs on the IU campus include The Indiana Molecular Biology Institute, which offers extensive facilities and a membership whose research interests span a wide range of topics in molecular biology, biophysics, and biochemistry. An appointment at a senior level, including an Endowed Chair, could be considered for a truly exceptional candidate with an established record of leadership in forefront instrumentation development. Review of applications will begin after December 31, 2000. Further information can be found at website: <http://www.physics.indiana.edu>. Applications consisting of curriculum vitae, list of publications, a brief research plan, and at least three letters of reference should be sent to: **Faculty Search Committee, c/o Professor Steve Vigdor, Chairman, Department of Physics, Swain Hall West 117, Indiana University, Bloomington, IN 47405 U.S.A.**

*Indiana University is an Equal Opportunity/Affirmative Action Employer.*

**ASSISTANT/ASSOCIATE/FULL PROFESSOR** (tenure track) in statistical genetics/bioinformatics in genetics institute beginning August 10, 2001. Seeking leader to organize genetics activities across colleges (Medicine, Agriculture, Liberal Arts and Sciences). Requires Ph.D. and solid research record. Application deadline is January 1, 2001. Send curriculum vitae, cover letter with research goals, list of three references to: **Mark Yang, Search Chair, Statistics, P.O. Box 118545, Gainesville, FL 32611-8545**. *Equal Opportunity Employer/Affirmative Action Employer.*

## POSITIONS OPEN

### TENURE-TRACK FACULTY POSITION BIOCHEMISTRY AND MOLECULAR BIOLOGY The Feist-Weiller Cancer Center

Applications are invited for a faculty position at the rank of **ASSISTANT, ASSOCIATE, or FULL PROFESSOR**. Applicants should have a Doctoral degree, postdoctoral research experience in molecular approaches to cancer biology, and a commitment to excellence in both teaching and research. Faculty members are expected to develop strong, extramurally funded research programs and teach both medical and graduate students. The Department and the Cancer Center will assist with technical support and start-up funds. Special consideration will be given to individuals with research interests that complement those of current Cancer Center faculty in the Department, which include mechanisms of tumorigenesis, cell proliferation and transformation, hematopoietic differentiation, and the genetic basis of angiogenesis and metastasis in prostate cancer. A strong clinical research unit in the Cancer Center facilitates translational research. Other Departmental faculty study eukaryotic genetics (yeast, *C. elegans*), transcriptional regulation, chromatin structure, protein synthesis and cell growth control, protein degradation by ubiquitinylation, protein and biophysical chemistry, signal transduction via kinases and phosphatases, nutrition and free radicals, and glucose transport. More information can be found on the Department of Biochemistry and Molecular Biology website: <http://gradsch.shreveport.lsuhs.edu>. Review of applicants will begin in January 2001. Send curriculum vitae, a brief statement of current and future research interests, and the names of three references to:

**Robert E. Rhoads, Ph.D. Professor and Head  
Department of Biochemistry and  
Molecular Biology  
Louisiana State University Health Sciences Center  
1501 Kings Highway  
Shreveport, LA 71130-3932**

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### ASSISTANT, ASSOCIATE, OR FULL PROFESSOR OF BIOCHEMISTRY MOLECULAR BIOLOGIST University of California, Riverside

The Department of Biochemistry, College of Natural and Agricultural Sciences, invites applications for an open-level academic year (nine-month) tenure-track position of Assistant, Associate, or Full Professor of biochemistry. Qualifications for the position include a strong potential for imaginative research in eukaryotic molecular biology. Individuals are sought with outstanding scholarship in the broad areas of signal transduction, transcriptional regulation, DNA repair, or cell cycle regulation using mammalian model systems. Individuals with expertise in genomics or proteomics are encouraged to apply. The successful applicant will be required to hold the Ph.D. or M.D. or equivalent and will be expected to develop and maintain a productive independent research program. The successful applicant will participate in undergraduate-, graduate-, and postdoctoral-level training activities. Midcareer and senior Scientist applicants should have existing, vigorous, well-funded research programs. Salary will be commensurate with education and experience. Submit complete curriculum vitae, bibliography (including three reprints), a list of three to five names and addresses from whom letters of reference may be obtained, and a description of future research directions to: **Dr. Craig V. Byus, Chair of Search Committee, Department of Biochemistry, University of California, Riverside, CA 92521-0129**. Applications may also be sent by FAX: 909-787-4774 followed by a hard copy sent by mail. Further information is available at websites: [www.biochemistry.ucr.edu](http://www.biochemistry.ucr.edu) and [www.cnas.ucr.edu](http://www.cnas.ucr.edu). Evaluation of applications will begin January 8, 2001, and will continue until the position is filled. The position is expected to be filled by July 1, 2001. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN



### ASSISTANT PROFESSOR CHEMICAL ENGINEERING Massachusetts Institute of Technology

Applicants are sought for a junior-level, tenure-track faculty position in the Department of Chemical Engineering at the Massachusetts Institute of Technology. Applicants should have a Ph.D. in chemical engineering or a closely related field, should have demonstrated excellence in academic research, and should have a strong interest in teaching graduate and undergraduate chemical engineering students. Send résumé including the names of at least three references, graduate transcripts, and a description of research interests to: **Dr. Robert C. Armstrong, Head, Department of Chemical Engineering, Massachusetts Institute of Technology, 66-350, Cambridge, MA 02139-4307**. Material should be received by January 15, 2001. *MIT is an Equal Opportunity/Affirmative Action Employer.*

### FACULTY POSITION ANNOUNCEMENT DEPARTMENT OF FISHERY AND WILDLIFE SCIENCES New Mexico State University

**ASSISTANT PROFESSOR** in aquatic ecology: 12-month appointment; tenure track; approximately 70% research, 30% teaching. The specialty is in aquatic ecology/resource management with the research emphasis on the effect of limnological and watershed processes on the management of aquatic systems. Qualifications include a Ph.D. in wildlife science, fisheries science, natural resource management, zoology, ecology, biology, or related area with an emphasis on aquatic ecology. Specific education in the management of aquatic systems with a willingness to include work in the Southwest in an overall research program. Good communication skills desirable with the ability to interact with students, public agencies, landowners, agricultural interests, special interest groups, and researchers. Responsibilities include a research program (with outside funding) directed at understanding and managing aquatic systems. A substantial commitment is required for quality undergraduate and graduate teaching. Applications should include curriculum vitae detailing education, professional experience, qualifications, and research support. Include statements describing (1) research interests, (2) teaching philosophy, and (3) courses you are able to offer. Provide a list of references (names, addresses, telephone numbers, e-mail addresses). Reference letters will be requested after initial screening. Closing date is 1 February 2001 with an anticipated starting date on or about 1 July 2001. For additional information, contact: **Don Caccamise; Telephone: 505-646-7051; FAX: 505-646-1281; e-mail: [natres@nmsu.edu](mailto:natres@nmsu.edu)**. Send application to: **Aquatic Search Committee, Department of Fishery and Wildlife Sciences, New Mexico State University, P.O. Box 30003, MSC 4901, Las Cruces, NM 88003-8003**. *NMSU is an Equal Opportunity/Affirmative Action Employer. Requisition number: 20012372.*

The Zoology Department of Ohio Wesleyan University, a selective undergraduate college dedicated to teaching and scholarship, invites applications for a tenure-track position teaching developmental biology, genetics, and a component of an introductory cell biology course beginning in the fall of 2001. Additional position and institutional information is available from website: <http://web.owu.edu/jobs/> or the Chair of the Search Committee named below. Ph.D. required. Send letter of application; current curriculum vitae; statement of teaching and research interests; all undergraduate and graduate transcripts; three letters of recommendation; and up to five reprints to: **Dr. Dennis C. Radabaugh, Department of Zoology, Ohio Wesleyan University, Delaware, OH 43015** by January 8, 2000. E-mail: [dcradaba@cc.owu.edu](mailto:dcradaba@cc.owu.edu). *Ohio Wesleyan University is an Equal Opportunity/Affirmative Action Employer and actively seeks applications from women and minorities.*

## Postdoctoral Position



The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) of the National Institutes of Health is seeking a highly motivated candidate to fill a postdoctoral position in an interactive microarray laboratory, to study the genetics and molecular biology of population variation and disease. The successful candidate should have a Ph.D. in human or molecular genetics or M.D. and an interest in arthritis, musculoskeletal and skin diseases.

For more information on the principal technology utilized, refer to: Nature Genetics 1999;21:10:14 ([http://www.nature.com/ng/chips\\_interstitial.html](http://www.nature.com/ng/chips_interstitial.html))

Send a curriculum vitae and research summary, and have three letters of recommendation sent to:

David J. Duggan, Ph.D.,  
Associate Investigator, NIAMS,  
National Institutes of Health,  
Building 9, Room 1N124G,  
9000 Rockville Pike MSC 0975,  
Bethesda, MD 20892-0975.  
Email: David\_Duggan@nih.gov

Applications must be submitted by Dec 22, 2000

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## DEPUTY DIVISION DIRECTOR

### Bioscience Division

### "Innovation for Health and Security"

The Bioscience Division of Los Alamos National Laboratory seeks a Deputy Director to share in the responsibility for the scientific leadership and management of the Division. The Bioscience Division is comprised of approximately 300 employees and provides a multidisciplinary mix of science capabilities that include biologically inspired materials and chemistry, computational biology, environmental biology, genomics, measurement science and diagnostics, medical applications, molecular cell biology, molecular synthesis and structural biology. The Center for Human Genome Studies also resides in the Division. As a member of the Division's Science Leadership Team, the Deputy's responsibilities include maintaining high standards for the quality of scientific pursuits and ensure sound business practices. Additional responsibilities include championing the Core Science activities for the Division by interfacing with Resource Managers and the Infrastructure Team Leader, planning and implementing a strategy for obtaining new facilities, and working to increase the Division's effectiveness in program development and industrial partnering. Requires a Ph.D. in Physics, Biology, or a related field; demonstrated success in directing a large, complex Bioscience program; and a record of relevant scientific accomplishment as evidenced by outstanding publication record and/or professional renown. You must also possess excellent leadership/management skills and be able to obtain a DOE "Q" clearance, which usually requires U.S. citizenship. Knowledge of the following areas is desirable: multidisciplinary research programs, strategic planning and development for scientific programs, and workforce planning. A full description of the position can be found at: <http://www.hr.lanl.gov/worldview/jobs>, Job #005755. For more information on the Bioscience Division, visit our Web site at: <http://bdiv.lanl.gov>

Interviews for this position will begin the week of January 2, 2001.

To apply: Submit a comprehensive resume and cover letter that addresses the specific required and desired criteria, referencing "SCIENCE005755", via email to [jobs@lanl.gov](mailto:jobs@lanl.gov), or via postal service to the Resume Service Center, Mailstop MSP286, Los Alamos, NM 87545.



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Origen Therapeutics, Inc. is a biotechnology company focused on avian transgenesis and is the leader of genetic engineering in avian species utilizing embryonic stem cell-based technologies. We are currently seeking dedicated, hands-on researchers to join our growing R&D team.

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### Senior Scientist Immunology

You will be responsible for establishing and leading our Immunology Group. Your goal will be to apply avian transgenic technology to the development of immunotherapies for human use.

You will design genetic modifications to the immune system and assess their functionality in chickens carrying these genetic attributes.

The qualified candidate will have a PhD in immunology with a minimum of 3 years post doctoral experience backed by publications in established journals.

Experience in molecular immunology along with managing/supervising a research team is required; experience with transgenic animals carrying modifications to immune function is preferred. (Job Code: 020-SCI)

### Scientist Cell Biology

The successful candidate will complement a team developing applications of avian embryonic stem cells. You will be responsible for a project focussed on the transfer of large segments of genetic information between cells. Experience and expertise in one of the following is highly desirable: stem cell culture; novel techniques for genetic modifications; or cytogenetics (including FISH). A PhD with a minimum of 3 years post doctoral experience in cell biology backed by publications in established journals is required. (Job Code: 019-SCI)

These positions require excellent interpersonal, organizational, written and verbal communication skills. The desire and ability to work in the dynamic and changing environment of a start-up company is a necessity.

Origen Therapeutics offers competitive salaries and benefits, attractive stock options and a collaborative, stimulating research environment. Send resume to **Human Resources** (Job Code \_\_), Origen Therapeutics, 1450 Rollins Road, Burlingame, CA 94010; fax: 650-340-9433; email: [hr@origentherapeutics.com](mailto:hr@origentherapeutics.com). EOE.

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## POSITIONS OPEN

### FULL PROFESSOR AND ASSISTANT PROFESSOR CELL AND MOLECULAR BIOLOGY

The Biochemistry Cell and Molecular Biology Program (BCMB) within the Department of Biological Sciences at Binghamton University, a doctoral-granting Center within the State University of New York System, is seeking faculty for two tenure-track positions.

Binghamton University is strategically poised to expand its commitment to excellence in research and graduate education by seeking applicants interested in the development of multidisciplinary programs in bioengineering/biomedical technology. Candidates for the position of Full Professor with tenure will be expected to play a central leadership role in this area while maintaining a nationally competitive, extramurally funded research program. A dedication to both graduate and undergraduate educational initiatives will be expected.

The successful applicant for the tenure-track **ASSISTANT PROFESSOR** position will be expected to develop an extramurally funded, cutting-edge basic sciences research effort and at the same time participate in the bioengineering/biomedical technology initiative. A research emphasis in gene regulation and/or bioinformatics is desirable.

Both positions require an earned Doctorate in a relevant specialty and a commitment to graduate and undergraduate educational initiatives. Nominations and applications should be sent by February 1, 2001, to:

**John G. Baust, Ph.D.**  
Search Committee Chair  
Department of Biological Sciences  
Binghamton University  
State University of New York  
Binghamton, NY 13902-6000

Applications should include a letter describing research interests, curriculum vitae, and the names and addresses of three references.

*The State University of New York is an Equal Opportunity/Affirmative Action Employer.*

**MOLECULAR PHYSIOLOGIST:** The Department of Biology at Saint Louis University, a Catholic Jesuit institution dedicated to education, research, and health care, invites applications for a tenure-track position in the area of molecular physiology beginning fall 2001. Applicants should have postdoctoral experience and record of research productivity. Considerable experience in molecular physiology research and interest in teaching an organ system-based general physiology course at the introductory level are essential. The position requires teaching undergraduate biomedical engineering students lecture/laboratory courses combining general and molecular physiology, cell biology, biological chemistry, and human genetics using the modern research tools of biochemistry and molecular biology. Please send curriculum vitae, a statement of teaching philosophy, research interests, and three letters of recommendation to: **Dr. R. I. Bolla, Search Committee Chair, Department of Biology, Saint Louis University, 3507 Laclede, St. Louis, MO 63103-2010.** Inquiries by e-mail to: [bollari@slu.edu](mailto:bollari@slu.edu). For more information about Saint Louis University, visit our website: [www.slu.edu](http://www.slu.edu). Saint Louis University is an Affirmative Action/Equal Opportunity Employer.

### ASSOCIATE VICE PRESIDENT FOR RESEARCH University at Buffalo The State University of New York

A superb **RESEARCH OFFICER** is needed at the University of Buffalo, The State University of New York, to play a key role in furthering the research mission of the University. For details concerning the position description, qualifications, and institutional profile, see website: <http://www.research.buffalo.edu/avpsearch/>. The University at Buffalo is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.

## POSITIONS OPEN

### ASU ARIZONA STATE UNIVERSITY

#### MOLECULAR NEUROSCIENTIST Arizona State University Main Campus

The Department of Biology invites applications for a tenure-track **ASSISTANT PROFESSOR** in any area of experimental neuroscience beginning fall 2001. A Ph.D. in an appropriate discipline at the time of appointment and teaching and research experience or potential are required. We prefer individuals who use molecular approaches to investigate questions in neural plasticity, developmental neuroscience, neuroendocrinology, or locomotion/motor control. Postdoctoral experience is preferred. The candidate will have the opportunity to participate in interdisciplinary research groups in stress, motor control, behavioral neuroscience, and molecular and cellular biology. The candidate is expected to establish a vigorous, externally funded research program and to participate in undergraduate and graduate teaching programs. For information on resources, see website: <http://lifesciences.asu.edu/>. Applicants must submit curriculum vitae, a statement of research accomplishments and future directions, a statement of teaching experience and interests, no more than three key reprints, and arrange to have three letters of reference sent directly to: **Molecular Neuroscientist Search Committee, Department of Biology, Arizona State University, Box 871501, Tempe, AZ 85287-1501. FAX: 480-965-2519.** Applications from two individuals wishing to share this appointment will be considered (both must submit complete applications). Application deadline is 8 January 2001 or applications will be reviewed weekly thereafter until the position is filled. Arizona State University is an Affirmative Action/Equal Opportunity Employer.

**ASSISTANT/ASSOCIATE PROFESSOR OF REPRODUCTIVE BIOLOGY** (tenure track), College of Agricultural Sciences, Penn State, University Park, Pennsylvania: The Department of Dairy and Animal Science invites applications for an Assistant/Associate Professor (75% research, 25% teaching). Starting date is negotiable. Research responsibilities involve conducting fundamental research in reproductive biology with application to agricultural animals, especially the bovine. The successful applicant will be expected to develop an externally funded research program that will gain national and international recognition and to develop collaborations with colleagues with compatible interests in reproduction, transgenic biology, genomics, lactation, growth, and nutrition. The teaching component will involve developing and teaching a graduate-level course in the candidate's area of expertise, contributing to an undergraduate course in reproduction and/or a graduate course in physiology, and advising undergraduate students. Qualifications include a Ph.D. in animal science, reproductive biology, or a related field; postdoctoral experience in the appropriate field; ability to utilize current biochemical and molecular biological techniques in research; and evidence of the ability to attract external funding. The ability to communicate effectively; provide leadership; and work cooperatively with students, faculty, and industry groups is required. Salary is competitive commensurate with background and experience. An attractive benefits package is available. Applicants should submit a letter of application, résumé, academic transcripts, a statement of research and teaching interests, and the names and addresses of at least three professional references to: **Daniel Hagen, Chair, Search Committee, Department of Dairy and Animal Science, 324 Henning Building, Position Number S-9471, The Pennsylvania State University, University Park, PA 16802.** Applications will be received until January 15, 2001, or until a qualified candidate is identified. For information about the Department, see website: [www.das.psu.edu/](http://www.das.psu.edu/). Affirmative Action/Equal Opportunity Employer.

## POSITIONS OPEN

### BARBARA AND NATHAN GREENBERG CHAIR IN BIOMEDICAL RESEARCH

The Division of Dermatology in the Department of Medicine at the University of Massachusetts Medical School is seeking a **CLINICIAN-SCIENTIST** to occupy the newly endowed Barbara and Nathan Greenberg Chair in Biomedical Research. The incumbent will hold a joint appointment in the Division of Dermatology and one of the Medical School's basic science departments.

Research areas of particular interest to the institution and its multidisciplinary research groups include cell biology, genetics, cancer, autoimmunity and tolerance, and neuroscience.

Prospective candidates should have a significant record of accomplishment in an area of original research with a consistent record of extramural funding. Space in a new, multidisciplinary research building is available for laboratories. A generous start-up package and appointment at the level of **ASSOCIATE** to **FULL PROFESSOR** with tenure is available for qualified candidates.

Demonstrated excellence in teaching and in clinical activities is also highly desirable, but the expected level of patient care/clinical work is not expected to exceed 10%-20%.

For confidential consideration, please submit current curriculum vitae, bibliography, and statement of research interests to: **Jeffrey D. Bernhard, M.D., Director, Division of Dermatology, University of Massachusetts Medical School, 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, the University of Massachusetts actively seeks and encourages applications from all individuals, independent of gender, race, ethnicity, culture, sexual orientation, age, or disability.*

### ASSISTANT PROFESSOR BACTERIAL PATHOGENESIS

The Department of Microbiology, Molecular Genetics, and Immunology at the University of Kansas Medical Center invites applications for a full-time, tenure-track faculty appointment at the **ASSISTANT PROFESSOR** level. We are interested in candidates using molecular genetic approaches to understand the molecular mechanisms employed by bacterial pathogens to cause disease. Candidates must have a Ph.D. or M.D., postdoctoral experience, and a strong record of research accomplishments. The successful candidate will be expected to establish an extramurally funded research program and participate in teaching graduate and medical students. An outstanding start-up package with competitive salary and fringe benefits is available. Replies, including curriculum vitae, brief research plan, and names and contact information of at least three references should be sent to: **Dr. Joe Lutkenhaus, Chairman, Search Committee, Department of Microbiology, Molecular Genetics, and Immunology, University of Kansas Medical Center, Kansas City, KS 66160-7420.** Review of candidates will begin on January 15, 2001, and continue until the position is filled. The University of Kansas Medical Center is an Equal Opportunity/Affirmative Action Employer.

### ASSISTANT/ASSOCIATE PROFESSOR

One long-term-track faculty position. Begin August 2001. Ph.D. required; primary teaching responsibilities include undergraduate anatomy and physiology (A/P) laboratories and freshman biology courses. Occasional opportunity to teach A/P nonlaboratory courses as well as some graduate courses. Experience in small liberal arts college environment preferred. Responsibilities include academic advising and committee work; no opportunity or expectation for research. Strong record of teaching excellence and scholarship desirable. Letter stating interests; complete résumé; transcripts; and three letters of reference due prior to January 5, 2001, to: **Sr. John Karen Frei, Dean, School of Natural and Health Sciences, Barry University, Miami Shores, FL 33161.**



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- Have a minimum cumulative GPA of 3.3 (4.0 point scale)

## GRADUATE SCIENCE RESEARCH DISSERTATION FELLOWSHIPS

- 12 Fellowships Annually
- Fellowship Stipends up to \$30,000
- Department Grants of \$10,000
- Support for 12-24 Months

### An applicant must:

- Be enrolled full-time in a Ph.D. or equivalent doctoral program in a biomedical life or physical science
- Be engaged in and within 1-3 years of completing dissertation research, having completed all qualifying exams

## POSTDOCTORAL SCIENCE RESEARCH FELLOWSHIPS

- 10 Fellowships Annually
- Fellowship Stipends up to \$55,000
- Department Grants of \$15,000
- Support for 12-24 Months

### An applicant must:

- Hold a Ph.D. or equivalent degree in a biomedical life or physical science
- Be appointed as a postdoctoral fellow during the 2001 calendar year at an academic or non-academic research institution (private industrial laboratories are excluded)

**Applicants must be African American (Black, non-Hispanic), U.S. citizens or permanent residents and attend an institution in the U.S.A. Applications must be postmarked by January 31, 2001**  
For application forms and more information, please contact your department chairperson or Jerry L. Bryant, Ph.D., by mail at the United Negro College Fund, 8260 Willow Oaks Corporate Drive, P.O. Box 10444, Fairfax, VA 22031, by fax (703) 205-3574, or by E-mail: [uncfmerck@uncf.org](mailto:uncfmerck@uncf.org)  
Visit our web site: [www.uncf.org](http://www.uncf.org)

## GRADUATE PROGRAMS

### CANCER BIOLOGY Ph.D. Program

**The H. Lee Moffitt Cancer Center & Research Institute and the University of South Florida plan to offer a new Interdisciplinary Ph.D. Program in Cancer Biology**

The Ph.D. Program in Cancer Biology is designed to prepare young scientists to meet the future challenges of cancer research. The program is designed around the concept that curing cancer is based on two challenges: unraveling the molecular and biological basis for tumor development and devising new treatment approaches based on those discoveries. To meet this challenge the program provides an integrated curriculum that incorporates interdisciplinary training in cancer biology, encompassing biochemistry, molecular and cell biology, immunology, signal transduction, transcriptional regulation, cell cycle control, drug discovery, chemistry, functional genomics, proteomics, bioinformatics and cancer therapies.

The Moffitt Cancer Center is an NCI-designated Cancer Center that houses state-of-the-art research facilities. Students can choose from over 52 outstanding faculty in various research areas. Moffitt Cancer Center's unique location offers an affordable lifestyle with year-round access to beaches, natural reserves, and outdoor sports.

**\$20K Stipend – Plus Tuition**

**Inquiries should be directed to:**

**Doug Cress, Ph.D. (MRC/MOLONC), H. Lee Moffitt Cancer Center & Research Institute, 12902 Magnolia Drive, Tampa, FL 33612-9497 (813) 903-6876 • [CANCERPHD@moffitt.usf.edu](mailto:CANCERPHD@moffitt.usf.edu)**

**Or, visit the website at:** <http://hsc.usf.edu/com/iop/cancer>



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## POSITIONS OPEN

### NEUROBIOLOGY AND CELL BIOLOGY (TWO POSITIONS) KALAMAZOO COLLEGE

Applications are invited for two positions to begin September 2001. Ph.D. required. Salary is competitive and commensurate with experience. Neurobiology: **ASSISTANT PROFESSOR** level, tenure track. Start-up funds provided for research and teaching. Teaching responsibilities include a neurobiology course and offerings in cellular biology or physiology appropriate to the candidate's interest and curriculum. Cell biology: One year with possibility of extension. **ASSISTANT PROFESSOR** level. Teaching responsibilities include cell biology and advanced courses in area of expertise. Kalamazoo College is a highly selective, nationally recognized liberal arts college that takes pride in its outstanding undergraduate science education program. A recent study ranked the College fifth among baccalaureate institutions in the proportion of its graduates who ultimately receive Doctorates in the life sciences. Candidates are expected to have a high aptitude and interest in undergraduate teaching, a commitment to the liberal arts, and a desire to involve undergraduates in scholarship both inside and outside the classroom. Completed applications received before December 15, 2000, will receive full consideration with later applications reviewed as appropriate. Send letter of application, curriculum vitae, undergraduate and graduate transcripts (unofficial is acceptable), statement of teaching philosophy and research interests, and three letters of recommendation to: **Dr. David Evans, Chair, Department of Biology, Kalamazoo College, 1200 Academy Street, Kalamazoo, MI 49006-3295.** To ensure that its searches consider women and minority candidates, the College especially invites such qualified individuals to apply and identify themselves if they wish. Equal Opportunity Employer.

Emory University currently has the following opportunity within the Department of International Health of the Rollins School of Public Health:

#### RESEARCH ASSISTANT PROFESSOR

We are currently seeking a qualified professional (Ph.D./M.D.) for a non-tenure-track position. This individual will work with **Keith Klugman, Professor of International Health**, to develop a molecular biology research laboratory focused on the molecular basis of antimicrobial resistance in bacterial pathogens. Experience in bacterial genetics and a proven record of innovative research in the field of antimicrobial resistance is essential. The Department of International Health has a vibrant, friendly, and productive faculty and staff. Excellent collaborative relationships exist with researchers at the Division of Infectious Diseases of the Department of Medicine of Emory University and at other units of the University and the CDC.

Please reference Job Number 128584 and forward cover letter, summary of research interests, and names of three references to: **Professor Keith Klugman, Department of International Health, The Rollins School of Public Health, Emory University, 1518 Clifton Road, N.E., Atlanta, GA 30322.** E-mail: [ssmit18@sph.emory.edu](mailto:ssmit18@sph.emory.edu); FAX: 404-727-1278; website: [www.emory.edu](http://www.emory.edu).

#### TENURE-TRACK ASSISTANT PROFESSOR IN PHYSICS

Ph.D. preferred; M.S. considered. Strong background in applied mathematics. Responsibilities include teaching primarily calculus-based physics and laboratories using computer interfaces. Occasional upper-level courses may also be taught. A maturing and enthusiastic Christian faith and commitment to the mission of a residential, evangelical Christian university is essential. See website: [www.letu.edu/news/jobs](http://www.letu.edu/news/jobs) for more information. Send letter and curriculum vitae to: **Dr. Glenn Sumrall, Provost, LeTourneau University, Box 7001, Longview, TX 75607-7001.** E-mail: [GlennSumrall@letu.edu](mailto:GlennSumrall@letu.edu); FAX: 903-233-3227.

## POSITIONS OPEN

### BIOINFORMATICS AND COMPUTATIONAL BIOLOGY University of California, Los Angeles

The University of California, Los Angeles, invites applications for **ONE JUNIOR AND ONE SENIOR TENURE-TRACK APPOINTMENT** in the fields of bioinformatics and computational biology. Candidates should have a Doctorate in one of the biological, mathematical, or computer sciences and a vigorous research program combining interesting biological applications with large-scale computing. Experimentalists with exceptional theoretical and computational skills are encouraged to apply. Depending on their qualifications and interests, successful applicants may be appointed in any one of several departments in the College of Letters and Sciences, the School of Engineering, the School of Medicine, and the School of Public Health. Successful applicants will participate fully in the undergraduate and graduate teaching responsibilities of their primary department or departments. Salaries will be determined by the level of appointment. The University of California, Los Angeles, houses nationally recognized centers for research in molecular and structural biology; the neurosciences; and biomedical imaging. It has an existing Department of Biomathematics, new Departments of Human Genetics and Statistics, a new Biomedical Engineering Program, a new NSF sponsored Institute for Pure and Applied Mathematics, and a new interdisciplinary graduate certificate program in Bioinformatics. Information on the UCLA Bioinformatics Program may be accessed at website: <http://www.bioinformatics.ucla.edu>. UCLA has targeted bioinformatics and computational biology as important areas for future faculty growth. Interested applicants should submit curriculum vitae including the names of at least three references and a brief outline of future research plans to: **Dr. Leena Peltonen, University of California, Los Angeles, Department of Human Genetics, 6506A Gonda Center, Los Angeles, CA 90095-7088.**

#### TENURE-TRACK POSITION NEUROGENETICS

##### National Institute of Mental Health

The Laboratory of Molecular Biology, Division of Intramural Research Programs, National Institute of Mental Health (NIMH), Bethesda, Maryland, invites applications for a **tenure-track INVESTIGATOR**. The Investigator is expected to develop and conduct an independent research program using forward genetic approaches on neural function, neuropharmacology, and/or neurobehavior in a simple model organism. Applicants must have an M.D. and/or Ph.D. with a strong record of scientific achievement. Applicants should send curriculum vitae, statement of research interests, and at least three letters of reference by January 15, 2001, to:

**Chair, LMB Search Committee  
Building 36, Room 3D06  
9000 Rockville Pike  
NIMH  
Bethesda, MD 20892-4094**

*The National Institutes of Health is an Equal Opportunity Employer.*

#### ASSISTANT/ASSOCIATE/FULL PROFESSOR OF MAIZE BREEDING Iowa State University

Develop a strong multidisciplinary and field-oriented research program emphasizing quantitative genetics, selection theory, and breeding methodology. The position (20% teaching/80% research) is fully funded at the level of Assistant Professor. Additional support may become available from an endowment for highly qualified applicants at the level of Associate or Full Professor. Review of applicants will commence on February 15, 2001. Contact website: [www.iastate.edu/hrs/jobs/jobs.html](http://www.iastate.edu/hrs/jobs/jobs.html); e-mail: [telcynac@iastate.edu](mailto:telcynac@iastate.edu); Telephone: 515-294-7636. Iowa State University is an Equal Opportunity/Affirmative Action Employer.

## POSITIONS OPEN

### WESTERN NEW ENGLAND COLLEGE

#### PHYSICS: A TENURE-TRACK POSITION

beginning September 2001 to teach introductory-level physics in both lectures and laboratories to engineering and science students as well as to non-science students. Appointment will be made at the rank appropriate to the credentials of the successful candidate. Terminal credentials in hand are required. The deadline for application is January 15, 2001. Candidates must submit a cover letter emphasizing teaching experience, a current résumé, and the name and contact information for three references. Official transcripts of all course work in higher education are required. While primarily a teaching institution seeking candidates with a strong commitment to teaching, scholarship is expected for consideration for tenure.

Western New England College is a private, independent coeducational institution founded in 1919. Located on an attractive 215-acre suburban campus in Springfield, Massachusetts, within easy access of the Boston, Hartford, Albany, and New York City metropolitan areas, the College serves its 5,000 students on its main campus and at 20 sites throughout the Commonwealth. Undergraduate and graduate programs are offered through the College's Schools of Arts and Sciences, Business, Engineering, and Law. For more information about the College, visit website: [www.wnec.edu](http://www.wnec.edu).

Send required application materials and requests for additional information to:

**Dean Saeed Ghahramani  
School of Arts and Sciences  
Western New England College  
1215 Wilbraham Road  
Springfield, MA 01119**

*Western New England College is an Equal Opportunity Employer.*

#### TENURE-TRACK FACULTY POSITION DEVELOPMENTAL NEUROSCIENCE Louisiana State University Health Sciences Center New Orleans

The Department of Cell Biology and Anatomy invites applications for a faculty position at the **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** level commensurate with credentials and experience. We are seeking an individual with strong molecular and genetics expertise and research interests in neurogenesis, neurotrophins, signal transduction, axon guidance, neuron-glia interactions, synaptic plasticity, or regeneration. Applicants are expected to have a strong potential or established record of extramural funding. To apply, please send curriculum vitae, statement of research interests, and the names of three references to: **Dr. Reha Erzurumlu, Chair of the Faculty Search Committee, Department of Cell Biology and Anatomy, Louisiana State University Health Sciences Center, 1901 Perdido Street, New Orleans, LA 70112-1393.** LSUHSC is an Equal Opportunity/Affirmative Action Employer.

#### ASSISTANT PROFESSOR/SCIENTIST Indiana University School of Medicine

The Department of Urology is seeking applicants for a basic science research position. Ph.D. candidates should have completed postdoctoral training and have experience in molecular biology. Candidates with an interest in areas relating to pediatric urology and developmental defects of the urinary system are preferred. This is a full-time position at Indiana University with rank, tenure status, and salary commensurate with credentials, training, and experience. Interested applicants should send their curriculum vitae to:

**Michael Koch, M.D.  
Professor and Chairman  
Department of Urology  
535 North Barnhill Drive #420  
Indianapolis, IN 46202**

*Indiana University is an Affirmative Action/Equal Opportunity Employer; Minorities/Females/Disabled.*

**National Health Research Institutes (NHRI)  
Taiwan, R. O. C.**

**DIRECTOR POSITION  
Division of Gerontology Research**

The NHRI—a newly established, non-profit research organization supported by the Government of Taiwan, Republic of China—cordially invites qualified individuals to apply for the director position in the Division of Gerontology Research, preferably with the capability to serve for at least an initial 5-year term. The Division will serve as a leader in the gerontology field in Taiwan, both in research and clinical practice leading to the betterment of Taiwan people. The division should also serve as a crucial link from Taiwan to other institutions overseas. The mission of this division, specifically relevant to aging in Taiwan, is to:

1. devise and develop innovative research on aging
2. promote collaborative research with other research centers both in Taiwan and internationally.
3. develop and provide accurate information to government agencies so as to improve health status, medical treatment and social welfare of the elderly and thereby to stimulate new research on aging

This mission can be accomplished by addressing issues including, but not limited to, basic and clinical research on the biology, epidemiology, psychology, and sociology of gerontology as well as public health policy.

The director's responsibilities include planning, research and clinical programs related to gerontology. Candidates should hold an M.D. and/or Ph.D. degree in a life science and be familiar with and demonstrate commitment to gerontology. S/he should have been in a leadership position for more than five years with a proven track record in gerontology. Candidates should also possess strong leadership qualities in medicine, science and administration, and be highly innovative, creative, communicative and dynamic. S/he should also be familiar with the Taiwan scientific and medical community, proficient in the Chinese language, and capable of working effectively in the research environment under current circumstances in Taiwan. Salary will be highly competitive with comparable positions in Taiwan.

**Apply to: President Cheng-Wen Wu (Tel: 886-2-2653-4401 ext 8000; Ken@nhri.org.tw).** The application should include a complete curriculum vitae, a 2-page or less vision for the Division, all professional certification (such as board certification), five representative papers, and five or more names/addresses for references/recommendations.

**Closing Date:** Applications will be accepted until February 28, 2001.

# NEDO

**Advance Notice concerning the International Joint  
Research Grant Program for FY2001 (plan)  
Announcement for Global Environment  
(Basic Research) area after an interval of two years**

The New Energy and Industrial Technology Development Organization (NEDO), which is subsidized by the Ministry of International Trade and Industry (MITI), has been conducting the International Joint Research Grant Program since 1989. This program aims to contribute to advancement of the international level of industrial technology and enhancement of international exchange by providing research funds to international joint research teams which conduct superior research.

**Requirements for "International Joint Research Teams"**

1. Each team must, in principle, consist of more than four (4) researchers.
2. Each team must consist of researchers of two (2) or more nationalities.
3. Researcher affiliates (research institutes at which the proposed research will be performed) must be located in two (2) or more countries.
4. Each team must appoint a research coordinator and accounting coordinator from among its members. (The research coordinator can concurrently serve as the accounting coordinator and vice versa.) The accounting coordinator's research institute and research location must be in Japan, and he/she must be fluent in Japanese.

**Eligible Research Areas**

In 2001, grants will be awarded in the research areas outlined below. However, the announcement is subject to the availability of the relevant government funds.

**1. Global Environment**

*Basic research* on conservation and improvement of the global environment in industrial technological areas, about 24,000,000 yen/FY.

*Practical research* on industrial technology concerning the production, generation and utilization of oil-alternative energy, excluding electric power generation technologies, which contributes to conservation and improvement of the global environment, about 30,000,000 yen/FY.

**Eligible research areas besides "Global Environment"**

**2. Materials**

*Basic research* concerning the investigation, elucidation and practical use of materials which will lead to the creation of new industries, about 24,000,000 yen/FY.

**3. Energy**

*Related to power generation: Practical research* on industrial technology concerning utilization of oil-alternative energy for power generation, leveling of electric loads and related global environment conservation, about 30,000,000 yen/FY.

*Efficient use: Practical research* related to industrial technology for efficient use of energy, excluding electric power generation, about 30,000,000 yen/FY.

**Research term**

Each team may receive a grant for a maximum of three (3) years.

**Application term**

Mid-January 2001 to mid-March 2001 (Applications must reach NEDO by the deadline.)

Application forms can be down loaded from <http://www.nedo.go.jp/itd/grant-e/index.html> (from mid-January 2001). If you wish to receive them by post, please send the following information to NEDO by facsimile or e-mail. Please note that it may take about 10 days for delivery due to the postal conditions. Your name, Affiliate/Department (if you belong to a university or college, please specify the section name), your position, address, telephone, facsimile, e-mail address.

**Contact Information:** Mr. Yamamoto, Mr. Yoshida, International Joint Research Division, Research Grant & Fellowship Department, New Energy and Industrial Technology Development Organization (NEDO), PO Box 1151, 29<sup>th</sup> Floor, Sunshine 60 Bldg., 1-1 Higashi-Ikebukuro 3-chome, Toshima-Iru, Tokyo 170-6028 Japan.

E-mail: [nedogrant@nedo.go.jp](mailto:nedogrant@nedo.go.jp).

Homepage: <http://www.nedo.go.jp/itd/grant-e/index.html>.

Telephone: +81-3-3987-9357. FAX: +81-3-5952-0082.



## POSITIONS OPEN

### ENVIRONMENTAL BIOTECHNOLOGY POSITIONS

The Department of Biological Sciences (**website: [www.isu.edu/departments/bios](http://www.isu.edu/departments/bios)**) at Idaho State University invites applications for two anticipated faculty positions. Successful applicants will have a commitment to undergraduate and graduate education, an excellent record of professional productivity (preferably postdoctoral experience), and Doctoral degree in an academic area related to either Position 1, remediation biology, environmental science, or restoration ecology; or Position 2, environmental biochemistry, microbial molecular biology, or genetic engineering.

These new positions may be tenure track. Review of applications begins January 8, 2001, and continues until positions are filled.

Successful candidates will be expected to teach classes and establish a successful research program related to a new emphasis area in environmental biotechnology (**website: <http://www.isu.edu/departments/bios/envbiotech>**). Office and laboratory facilities for these faculty will be in Idaho Falls, and faculty members will be expected to collaborate with Scientists at the Idaho National Engineering and Environmental Laboratory (INEEL) (**website: [www.inel.gov](http://www.inel.gov)**).

To apply, send letter describing your qualifications, curriculum vitae, research statement, statement of your teaching philosophy, and have three letters of reference sent to: **Environmental Biotechnology Search Committee, Department of Biological Sciences, Campus Box 8007, Idaho State University, Pocatello, ID 83209.** *Idaho State University is an Equal Opportunity Employer.*

### FACULTY POSITION PROTEOMICS/MASS SPECTROMETRY University of California, Los Angeles

The School of Medicine and the College of Letters and Science at UCLA seek a Scientist to lead a vigorous and innovative research center in the area of proteomics, mass spectrometry, protein chemistry, and gene discovery. The appointment can be at the level of **ASSISTANT PROFESSOR** (tenure track), **ASSOCIATE PROFESSOR** (tenured), or **FULL PROFESSOR**. The position is associated with the Departments of Biological Chemistry (School of Medicine) and Chemistry and Biochemistry (Letters and Science) and the UCLA-DOE Laboratory of Structural Biology and Molecular Medicine. Funds are available from the W. M. Keck Foundation to support instrumentation, personnel, and research.

Applications should include curriculum vitae, statements of research accomplishments and future research plans, and the names and addresses of three references. Consideration of applications begins January 1, 2001, and continues until the search is completed. Please send materials to: **Proteomics/Mass Spectrometry Search Committee, UCLA-DOE Laboratory, UCLA, 611 Charles Young Drive East, Box 951570, Los Angeles, CA 90095-1750.**

*UCLA is an Equal Opportunity Employer.*

### CHIEF OF NEUROLOGY DARTMOUTH

The Dartmouth-Hitchcock Medical Center is seeking a Board-certified **NEUROLOGIST** as Chief of the Section of Neurology. This Physician will lead the clinical, educational, and research missions of a comprehensive academic program. We hope to recruit a nationally recognized leader in clinical neurology who also has a track record of competitively funded research. The selected applicant will hold senior rank at Dartmouth Medical School. We hope that the successful candidate will help to integrate the clinical and basic neurological sciences within the greater neuroscience community at Dartmouth College. Applicants should send a brief letter and curriculum vitae to: **David W. Roberts, M.D., Chief, Section of Neurosurgery, Dartmouth-Hitchcock Medical Center, Lebanon, NH 03756. FAX: 603-650-4547.** *Dartmouth-Hitchcock Medical Center is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minority groups.*

## POSITIONS OPEN

### FACULTY POSITION IN FOOD NUTRITIONAL GENOMICS

The Department of Food Science (**website: <http://foodsci.rutgers.edu>**) at Rutgers University is hiring a tenure-track **ASSISTANT PROFESSOR** of Food Nutritional Genomics for September 1, 2001. Applicants are invited from outstanding individuals with a Ph.D. in biological sciences with an interest in integrating eukaryotic molecular genetics with food science/nutrition. Postdoctoral and/or industrial experience with evidence of research scholarship is highly desirable. The successful candidate will develop an independent research program for the identification and analysis of food components for disease prevention through genomic approaches and effectively teach undergraduate and graduate courses related to molecular genetic analysis of food components. The incumbent is expected to be consistent with NJAES mission and to build the research program on that basis. Outstanding communication skills are required. Send curriculum vitae, statement of research goals and teaching interests, and names and addresses of three references to: **Dr. C-T Ho, Chair, Search Committee, Department of Food Science, Rutgers University, 65 Dudley Road, New Brunswick, NJ 08901. E-mail: [ho@aesop.rutgers.edu](mailto:ho@aesop.rutgers.edu).** Review will begin on January 15, 2001, and conclude on June 1, 2001. *Rutgers University is an Equal Opportunity/Affirmative Action Employer. Minority and female applicants are encouraged to apply.*

### JUNIOR FACULTY VIROLOGIST

The Institute of Molecular Cardiobiology of the Johns Hopkins University sponsors a major research program in cardiac gene therapy. We seek applications for **TECHNICAL DIRECTOR** of the Molecular Genetics and Vector Core of the Institute. This individual will function independently to create novel gene therapy vectors for use in animal models of cardiac arrhythmias and heart failure. Extensive experience in molecular genetics and virology with specific experience in adenoviral and/or adeno-associated vectors is required. A Ph.D. or M.D. is preferred but may be waived given published evidence of relevant productivity. Initial appointment will be at the non-tenure-track full-time faculty rank of **RESEARCH ASSOCIATE**. Advancement to the tenure track is possible based on performance. Applications, including curriculum vitae and bibliography as well as the names and contact information of three references, should be directed to:

**Eduardo Marbán, M.D., Ph.D.  
Director, Institute of Molecular Cardiobiology  
The Johns Hopkins University  
844 Ross Building  
Baltimore, MD 21205**

*The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.*

### PH.D. RESEARCHER POSITION

**ANESTHESIOLOGY RESEARCH.** The University of California, Irvine, will be recruiting during the months of November 15, 2000, to January 15, 2001, for an **ASSISTANT PROFESSOR**, tenure track. Requirements include Ph.D. or M.D. with significant research training or experience. Molecular biology experience is an asset. Opportunities for experimental and clinical research and collaborations with the basic sciences, including biomedical engineering. Present departmental research areas include gas kinetics in anesthesia during nonsteady state (NIH-funded program, HL-42637, systems to cellular physiology) and the study of mechanisms of anesthesia and memory (includes PET and MRI imaging technologies). Duties will include teaching of residents and medical students. Apply to: **Peter H. Breen, M.D., FRCP, Vice Chair and Director of Academic Affairs, Search Committee Chair, Department of Anesthesiology, UCI Medical Center, 101 The City Drive South, Orange, CA 92668. FAX: 714-456-7702.** *UCI is an Equal Opportunity Employer committed to excellence through diversity.*

## POSITIONS OPEN

**FRESHWATER ECOLOGIST.** Tenure track. The Department of Biology at California State University, Fresno, seeks a broadly educated Freshwater Ecologist with strong quantitative skills for a tenure-track teaching and research appointment beginning August 2001. Teaching responsibilities will be in general ecology, a field-oriented aquatic ecology course, plus graduate- or senior-level coursework such as biometry, systems ecology, lake and reservoir ecology and management, fisheries management, ichthyology, stream ecology, and restoration. All candidates must be capable of teaching introductory biology. Candidates must develop a successful graduate and advanced undergraduate research program and must pursue external funding needed to maintain it. Collaborative programs with state and federal agencies will be encouraged. Applicants must have a Ph.D. in an appropriate field and scholarly accomplishments commensurate with experience. Request and submit an official application along with curriculum vitae, e-mail address, statement describing teaching and research plans, and three letters of recommendation. Send to: **Dr. Fred Schreiber, Chair, Department of Biology, College of Science and Mathematics, California State University, Fresno, 2555 East San Ramon Avenue MS Number SB73, Fresno, CA 93740-8034. E-mail: [FredS@CSUFresno.edu](mailto:FredS@CSUFresno.edu); FAX: 559-278-3963; website: <http://crasmus.biol.csufresno.edu>.** For full consideration, the application and supporting materials should be in by January 10, 2001. *Equal Opportunity/Affirmative Action Employer.*

The Radiation Oncology Center at Washington University has an **ASSISTANT PROFESSOR** tenure-track position available. Expertise in radiobiology emphasizing one of the following: normal tissue effects, DNA repair, radioisotope effects, oxidative stress, free radical biology, or other stress responses is desired. The ability to contribute to the teaching of radiobiology to radiation oncology residents is critical. The successful applicant must have the ability to conduct independent research to attract outside funding. Apply to:

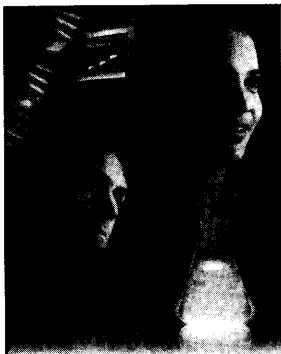
**Dr. Joseph L. Roti Roti  
Chief, Section of Cancer Biology  
Associate Director  
Washington University School of Medicine  
Section of Cancer Biology  
4511 Forest Park Boulevard  
Suite 411  
St. Louis, MO 63108**

Wheaton College seeks to fill tenure-track position for a Physiologist at the **ASSISTANT** or early **ASSOCIATE PROFESSOR** level in the Department of Biology. Preference will be given to candidates with postdoctoral research and teaching experience. Send letter of interest, résumé, and names of references to: **Dr. Roger Kennett, Chair, Department of Biology, Wheaton College, Wheaton, IL 60187.** Applications will be sent to promising applicants. Application deadline is January 15, 2001.

Wheaton is an evangelical Christian liberal arts college whose faculty and staff affirm a Statement of Faith and adhere to lifestyle expectations. *The College complies with federal and state guidelines for nondiscrimination in employment. Women and minority applicants are encouraged to apply.*

### TENURE-TRACK ASSISTANT PROFESSOR IN BIOLOGY

Ph.D. with expertise in at least one of these areas: cell biology, genetics, and microbiology. Responsibilities include teaching introductory and upper levels and advising and supervision of undergraduate research. A maturing and enthusiastic Christian faith and commitment to the mission of a residential, evangelical Christian university is essential. See **website: [www.letu.edu/news/jobs](http://www.letu.edu/news/jobs)** for more information. Send letter and curriculum vitae to: **Dr. Glenn Sumrall, Provost, LeTourneau University, Box 7001, Longview, TX 75607-7001. E-mail: [GlennSumrall@letu.edu](mailto:GlennSumrall@letu.edu); FAX: 903-233-3227.**



## The Face of Pfizer

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yours could be the new face of Pfizer. Explore this opportunity at our facility in Ann Arbor, Michigan.

### Associate Scientist

Working in the Analytical R&D department, you will analyze raw materials while following compendial or in-house procedures. Additionally, you will evaluate and optimize alternative methods as necessary, assist in establishing specifications for new materials and help review data generated by colleagues. This position requires an MS in Chemistry and 1-2 years experience or a BS in Chemistry with 4-6 years experience. Demonstrated knowledge of analyzing raw materials, a strong background in GC, AA, IR, UV/Vis and wet chemistry and familiarity with cGMPs are essential.

Recently ranked among *Fortune's* 100 Best Companies to Work For, Pfizer offers an exceptional work environment complete with training opportunities to develop your professional talents. To apply, please submit your resume, indicating Ad Code 00-01606SCI to 2800 Plymouth Road, Ann Arbor, MI 48105; fax to 734.622.7617. An equal opportunity employer, Pfizer offers a workplace rich with diversity and potential.

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## FACULTY POSITION RADIATION BIOLOGY

Tenure-track position at the Assistant or Associate Professor level in the Department of Radiation Oncology. Applicants must have an M.D. and/or Ph.D. and postdoctoral training. Candidates with research interests in the area of molecular radiation biology are especially encouraged to apply. The successful candidate will be expected to develop a strong research program as well as teach and mentor graduate students and radiation oncology residents. Competitive start-up packages and space are available.

The Department of Radiation Oncology currently consists of eight clinical faculty, three physicists and one radiation biology faculty. Current research interests of the faculty are oncogene amplification and DNA repair. The department maintains a soon to be renovated core research facility within the basic science research departments of the Upstate Medical University College of Medicine, adjacent to Syracuse University.

Applicants should submit *curriculum vitae*, a brief summary of research and teaching interests, and names and addresses of at least three references to:

**Chung T. Chung, MD, FACR**  
Chair, Department of Radiation Oncology  
SUNY Upstate Medical University  
750 East Adams Street  
Syracuse, NY 13210



State University of New York

**Upstate Medical University**

Formerly known as SUNY Health Science Center

*SUNY Upstate Medical University is an EOE/AA/ADA employer  
strongly committed to excellence through diversity.*



DONALD DANFORTH  
PLANT SCIENCE CENTER

### The Donald Danforth Plant Science Center In St. Louis, Missouri Announces A Position for Analytical Biochemist/Mass Spectroscopist

The Donald Danforth Plant Science Center is soliciting applications for a Ph.D. level scientist to manage a small staff in a multi-dimensional facility with responsibility for separation and analysis of proteins, peptides and small molecules. The successful candidate will maintain a modest research program. Previous experience in plant biology not required, but future participation essential. Emphasis is placed on interdisciplinary research and willingness to tackle cutting edge problems. Visit our website, [www.danforthcenter.org](http://www.danforthcenter.org) for a description of the Danforth Center, mission statement, current faculty, etc.

Please send your current curriculum vitae and four letters of reference to:

**Ms. Billie Broeker**  
Human Resources  
Donald Danforth Plant Science Center  
7425 Forsyth Boulevard  
Campus Box 1098, St. Louis, Missouri 63105

*The Donald Danforth Plant Science Center is an equal opportunity/affirmative action employer and encourages applications from underrepresented groups, including minorities, women and people with disabilities.*



DONALD DANFORTH  
PLANT SCIENCE CENTER

### The Donald Danforth Plant Science Center In St. Louis, Missouri Announces Opportunities for Faculty Positions in Plant Biology

The Donald Danforth Plant Science Center announces positions for faculty at the Full, Associate and Assistant Member levels to direct fundamental research programs. We seek scientists with broad interests and training in at least two scientific disciplines and well-formed research programs that will benefit from interactions with scientists of other disciplines. Demonstration of prior or current support, and of interdisciplinary research will be beneficial. Up to 10 faculty appointments will be made in the areas that include molecular physiology, biochemistry, phytochemistry/neutriceuticals, genetics, cell biology, gene regulation, root-soil interactions, molecular plant pathology, and abiotic stress biology. Successful candidates are expected to develop collaborative research programs within the Danforth Center and/or with scientists at partner institutions.

Please send your resume, brief description of research interests, reprints of three key publications, and names of three potential references. Applications will be received until positions are filled. Visit our website, [www.danforthcenter.org](http://www.danforthcenter.org) for a description of the Danforth Center, including mission statement, current faculty, and partnering institutions.

Send resumes to: **Ms. Billie Broeker, Human Resources, Donald Danforth Plant Science Center, 7425 Forsyth Blvd., Campus Box 1098, St. Louis, Missouri 63105**

*The Donald Danforth Plant Science Center is an equal opportunity/affirmative action employer and encourages applications from underrepresented groups, including minorities, women and people with disabilities.*

## POSITIONS OPEN

### ORGANISMAL BIOLOGIST/MOLECULAR TECHNIQUES

The Department of Biology at The University of Memphis invites applications for an Organismal Biologist at the **ASSISTANT PROFESSOR** level. The Department seeks to complement its strengths in ecology, behavior, evolution, physiology, and aquatic ecology with an individual whose research uses molecular techniques. The successful candidate will be expected to develop an externally funded research program and supervise M.S. and Ph.D. students. Teaching duties include a course in molecular techniques and in area of specialty. Candidates must have a Ph.D., postdoctoral training, a record of peer-reviewed publication and scholarly accomplishments commensurate with experience, and evidence of funding potential. Position begins 16 August 2001. Applicants should submit a letter of application; curriculum vitae; a concise description of research and teaching interests; and names, telephone numbers, and e-mail addresses of at least four references (do not send reference letters) to: **Search Committee, Department of Biology, The University of Memphis, Memphis, TN 38152.** Contacts for more information: **Telephone: 901-678-2581; FAX: 901-678-4746; e-mail: jwolff@memphis.edu; website: <http://www.people.memphis.edu/~biology/>.** Review of applications will begin January 19, 2001, and may continue until the position is filled. *The University of Memphis is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.*

### FACULTY POSITION ENVIRONMENTAL POLICY AND DEVELOPMENT

The Department of Environmental Studies at Emory University invites applications for a tenure-track position at the rank of **ASSISTANT PROFESSOR** in the area of environmental policy and development. We seek candidates who apply ecological and social/political backgrounds to conservation and development issues. Viable candidates should have a Doctorate in ecology, environmental studies, political science, economics, or management. Incumbents will be responsible for teaching courses in environmental policy, conservation, and development and an active research program. Review of applications will begin 15 January 2001. Applicants should send curriculum vitae, a statement of research and teaching interests, and names and addresses of three references to the following address:

**Chair, Search Committee  
Department of Environmental Studies  
1715 North Decatur Road  
Emory University, Atlanta, GA 30322  
Telephone: 404-727-2429**

*Emory University is an Equal Opportunity/Affirmative Action Employer. Members of underrepresented groups are encouraged to apply.*

The Department of Anesthesia at the University of Pennsylvania seeks a qualified Basic Scientist to fill a tenure-track faculty position at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level. The successful candidate will have an M.D., Ph.D., or equivalent in chemistry or a related discipline and have a considerable published record of investigation with computational physical chemistry. In particular, experience with molecular dynamic simulations of biological macromolecules, such as proteins and lipid bilayers, is essential. The candidate will work within an interdisciplinary group investigating the molecular pharmacology of inhaled anesthetic action, and thus interpersonal skills and a collaborative nature are sought. Strong involvement in the Department's overall teaching and research missions is also sought. The candidate will be expected to already have or rapidly obtain independent extramural support. Interested candidates should e-mail their curriculum vitae to: **Dr. Roderic G. Eckenhoﬀ; e-mail: [reckenho@mail.med.upenn.edu](mailto:reckenho@mail.med.upenn.edu).** *The University of Pennsylvania Health System is an Equal Opportunity Employer.*

## POSITIONS OPEN

### ASSISTANT PROFESSOR MICROBIOLOGY

The Section of Microbiology within the Division of Biological Sciences, University of California, Davis, invites applications for a tenure-track Assistant Professor position. A Ph.D. (or equivalent) is required and postdoctoral experience is highly desirable. Candidates must have an outstanding record of achievement in research and will be expected to develop a strong research program in microbiology. Areas that we seek to strengthen include microbial ecology/environmental microbiology, microbial physiology/genetics, and molecular microbiology. The successful candidate will be expected to teach and advise at the undergraduate and graduate levels. Applicants should submit (1) curriculum vitae, (2) copies of no more than five published and in-press papers, (3) a statement of current and proposed research, (4) a statement of teaching experience and/or interests, and (5) arrange to have three letters of recommendation sent to: **Dr. Michele Igo, Chair, Search Committee, Section of Microbiology, University of California, Davis, One Shields Avenue, Davis, CA 95616-8665.** Closing date: Open until filled, but all application materials including letters of recommendation must be received by January 5, 2001, to be assured full consideration. This position in Biological Sciences may be supplemented by an appointment in the Agricultural Experiment Station, providing an 11-month per year salary. *The University of California is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to the development of a climate that supports Equality of Opportunity and respect for differences.*

### ASSISTANT PROFESSORS Functional Morphology Invertebrate Zoology Plant Physiology/Phycology

Tenure-track starting August 2001. Ph.D. and evidence of excellent teaching required. More information: **website: <http://www.wiu.edu/users/mibiol>.** Persons hired will direct M.S. students and undergraduates (including Honors) in their research. (1) **FUNCTIONAL MORPHOLOGIST** with research program in vertebrate functional morphology; teach general biology, evolutionary biology, embryology, and comparative anatomy. (2) **INVERTEBRATE ZOOLOGIST** with research program on an invertebrate group; will interface with active field studies program, teach general biology, invertebrate zoology, and entomology (emphasis on Midwestern taxa). (3) **PLANT PHYSIOLOGIST/PHYCOLOGIST** with research program in phycology; teach general biology, cell biology, plant physiology, and phycology. Those experienced in evolutionary biology are encouraged to apply for any position. Availability of positions contingent upon funding. Deadline for applications: December 15, 2000. Send transcripts, curriculum vitae, publications, statements of teaching and research interests, and three letters of reference to: **Dr. L. M. O'Flaherty, Chair of Biological Sciences, Western Illinois University, 1 University Circle, Macomb, IL 61455-1390.** *Western Illinois University is an Affirmative Action/Equal Opportunity Employer.*

### ORGANIC CHEMIST LIFE SCIENCES DIVISION Cell and Molecular Biology Department

We are seeking an Organic Chemist to work in a multidisciplinary group focusing on the chemical basis of environmental carcinogenesis. Experience in solid-state synthesis and ability to synthesize the desired phosphoramidites necessary to prepare oligonucleotides for structural and biochemical studies is required. This position is funded by NIH and is in the laboratory of: **Dr. B. Singer, Donner Laboratory, University of California, Berkeley, Lawrence Berkeley National Laboratory.** E-mail: **[singer\\_lab@lbl.gov](mailto:singer_lab@lbl.gov).** Submit your curriculum vitae to: **BioSciences HR Center, Donner Laboratory, LBNL, Berkeley, CA 94720.** Please cite LS/012863/JS in your cover letter. *Berkeley Laboratory is an Affirmative Action/Equal Employment Opportunity Employer.*

## POSITIONS OPEN

### TWO BIOLOGY POSITIONS (MICROBIOLOGIST AND ZOOLOGIST)

The Department of Biology at Texas A&M University-Kingsville (TAMUK) is opening a search for two tenure-track positions at the **ASSISTANT PROFESSOR** level. The two positions are (1) Microbiologist with preference given to those capable of teaching histology and/or embryology and (2) Zoologist with preference given to those capable of teaching vertebrate and/or invertebrate biology. Successful applicants for either position will have a Ph.D. degree in appropriate discipline, the ability to write competitive research proposals, demonstrated excellence in teaching, and a publication record commensurate with experience. Postdoctoral experience is preferred. Laboratory space and start-up funds are available. TAMUK is located in South Texas near Baffin Bay and the Gulf of Mexico. The Department emphasizes teaching through research for both undergraduates and Master's-level students. Candidates for either position must submit (1) a letter of application that describes teaching and research interests, (2) unofficial transcripts, (3) curriculum vitae, and (4) three letters of reference. Incomplete applications will not be considered. The deadline to submit an application is January 15, 2001. Inquiries should be addressed to: **James R. Pierce, Professor and Chair, Department of Biology, MSC 158, Texas A&M University, Kingsville, 700 University Boulevard, Kingsville, TX 78363. Telephone: 361-593-3803.** *Texas A&M University-Kingsville is an Affirmative Action/Equal Opportunity Employer. Committed to excellence through diversity, the University particularly invites applications from minorities, women, veterans, and persons with disabilities. In compliance with the Americans With Disabilities Act, if accommodations are needed for the application process, please inform the Search Committee Chair.*

**PHYSICS.** Berry College invites applications for one, or possibly two, tenure-track position(s) in physics beginning August 2001. It is anticipated that these positions will be filled at the **ASSISTANT PROFESSOR** level. The successful candidates must hold the Ph.D., be able to teach all levels of undergraduate physics, and sustain a research program involving undergraduates. The first position is open to all specialties within physics and astronomy, although the successful candidate will be expected to teach upper-level electronics courses. Pending approval, a second position will be opened. It is preferred that this faculty line be filled by a candidate who will be able to contribute to the College's program in Environmental Sciences by teaching geophysics course(s) in addition to the duties listed above. Berry College is a private liberal arts college of 2,000 students located one hour from Atlanta in the Appalachian foothills. The School of Mathematical and Natural Sciences at Berry College has recently occupied a new 130,000-square-foot science center. Screening of applicants will begin on 15 January 2001. Send letter of application, curriculum vitae, transcripts, statement of teaching philosophy, and outline of current and planned research programs to: **Physics Search Committee, Mount Berry, GA 30149-5004. Website: [www.berry.edu](http://www.berry.edu).** *Equal Opportunity Employer.*

### TERRESTRIAL INVERTEBRATE BIOLOGIST

Tenure-track **ASSISTANT PROFESSOR**. Ph.D. with research emphasis using experimental approach to ecology, physiology, genetics, or evolution of terrestrial invertebrates. Responsibilities include teaching a course in introductory zoology and one or more of the following: ecology, general physiology, genetics, or evolution. See **website: [www.csu.edu/biology](http://www.csu.edu/biology)** for full job description. Send curriculum vitae, transcripts, teaching philosophy, and three letters of recommendation by February 15, 2001, to: **Dr. Ken Gobalet, Chair, Invertebrate Biologist Search, Department of Biology, California State University, 9001 Stockdale Highway, Bakersfield, CA 93311-1099.** *CSUB is an Affirmative Action/Equal Opportunity Employer.*



**NATIONAL INSTITUTES OF HEALTH  
NATIONAL EYE INSTITUTE**

## Job Opportunities

The National Eye Institute Intramural Program at the NIH campus, Bethesda, MD., is seeking highly qualified Postdoctoral Fellows, Research Associates and Staff Scientists in the following areas:

- **Molecular Biology**
- **Cell Biology**
- **Immunology**
- **Psychophysics**
- **Biochemistry**
- **Epidemiology**
- **Biostatistics**

**Salaries range from \$29,000 to \$118,400 per annum, based on experience and type of appointment.**

NEI offers an extensive benefits package that you may be eligible for, depending on the appointment mechanisms: Health Benefits, Life Insurance, Retirement Benefits, Annual and Sick Leave, Formal Training Program, Recruitment Bonus, Retention Allowance, Relocation Allowance, Loan Repayment Program, and Travel Benefits.

Candidates interested in specific job opportunities at the NEI may visit the NEI web site at <http://www.nei.nih.gov/> listing the most current positions available.

**NIH/NEI is an Equal Opportunity Employer**



The Neuro-Oncology Branch of the National Cancer Institute and the National Institute of Neurological Disorders and Stroke of the National Institutes of Health are currently recruiting several postdoctoral level scientists to work in the area of experimental protein therapeutics, vector targeting, and glial tumor cell biology. The successful candidates should have a M.D. or Ph.D. and have received training in molecular/cellular biology and/or protein chemistry. Laboratory projects include the study of primary glial neoplasms and neural stem cells for the purpose of identifying novel anti-tumor targets, development of high throughput screens, peptide antagonists, and genetic vectors. Experience with either viral or non-viral vectors, creation and screening of cDNA or peptide libraries, phage display, expression array technology, or stem cell biology would be desirable. Please send curriculum vitae, statement of research interests and two letters of reference to:

**Howard A. Fine, M.D.**  
**Chief, Neuro-Oncology Branch**  
**National Cancer Institute**  
**Building 10, Room 12S245**  
**10 Center Drive, MSC1911**  
**Bethesda, MD 20892-1911**

*The NIH is an Equal Opportunity Employer.*

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**Opportunities for Ph.D.-level  
Biologists  
(Multiple positions available)**

InGenuity Systems, a dynamic, fast growing pre-IPO company, is building next generation information technologies that will revolutionize the way functional genetic data can be used by research scientists. We currently have multiple part time, full time, and online positions for Ph.D. level biologists (senior Ph.D. candidates considered) with experience in molecular biology, biochemistry, immunology, or genetics. Check out the exciting range of opportunities InGenuity has available at [www.ingenuity.com](http://www.ingenuity.com) OR refer a friend and earn \$100 (details on our web site).

## SCIENTIST

DADE BEHRING is a leading manufacturer and supplier of medical diagnostic instrument systems and related products for clinical laboratories around the world. We are seeking qualified applicants for the position of Scientist. The successful candidate will lead all aspects of technical effort to design and commercialize assays for use on Dade Behring automated clinical analyzers. Requirements: Ph.D. in Biochemistry, Immunochemistry or related field. Postdoctoral experience in Clinical Chemistry is desirable, but not required.

We offer competitive salaries and an outstanding benefits package. For consideration, please submit your resume with job title and salary requirements to ONE of the following: **e-mail to: [dadechem@dadebehring.com](mailto:dadechem@dadebehring.com) or FAX: (302) 631-0348. Or mail to Dade Behring, Inc., P.O. Box 6101, M/S 517, Newark, DE 19714-6101.**

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**Assistant/  
Associate  
Professor  
Virology**

As part of an ongoing expansion in the basic sciences, Creighton University School of Medicine's Department of Medical Microbiology and Immunology invites applications for a tenure-track position in basic Virology. The appointee will be expected to conduct a vigorous independent research program, and to have an interest and aptitude for teaching graduate students as well as medical, dental, and other allied health profession students. Laboratory space with equipment, start-up funding, and ongoing support will be available. Applicants should have the following qualifications: Ph.D., M.D., or M.D./Ph.D. degrees, postdoctoral training and experience, evidence of significant research accomplishments and scholarly promise. Applicants should send a curriculum vitae, a brief summary of their research plans and teaching interests, and arrange for three letters of recommendation to be sent to: **Roderick Nairn, Ph.D., Professor & Chair, Department of Medical Microbiology and Immunology, Creighton University, 2500 California Plaza, Omaha, NE 68178.**

Applications will be screened immediately and will continue to be accepted until the position is filled.

*Creighton University is an Affirmative Action/Equal Opportunity Employer.*

## POSITIONS OPEN

### BIOLOGICAL SCIENCES ASSISTANT PROFESSOR POSITIONS Animal Physiology and Eukaryotic Genetics University of North Texas

The Department of Biological Sciences ([website: www.biol.unt.edu](http://www.biol.unt.edu)) invites applications for two tenure-track appointments: (1) animal physiology and (2) eukaryotic genetics (any model system). Candidates will be expected to develop extramurally funded research programs in their areas of expertise and to participate in undergraduate and graduate teaching. Excellent research facilities, competitive salary, and start-up funds are available. Located in the Dallas-Ft. Worth metropolitan area, the University of North Texas has over 27,000 students. The Department offers undergraduate and graduate (M.S./Ph.D.) degree programs in biochemistry, biology, environmental science, and molecular biology. Send applications to: **respective Search Committee Chairs, Department of Biological Sciences, University of North Texas, Denton, TX 76203-5220** by January 5, 2001. Applications should include curriculum vitae, three letters of reference, and statement of research goals. UNT is an Equal Opportunity/Affirmative Action Employer committed to diversity in its educational programs. Women, minorities, and persons with disabilities are encouraged to apply.

### ANIMAL BIOLOGIST AND CELL BIOLOGIST MINNESOTA STATE UNIVERSITY Mankato, Minnesota

The Department of Biological Sciences invites applications for two tenure-track **ASSISTANT PROFESSOR** positions: (1) Animal Biologist and (2) Cell Biologist. A Ph.D. related to the respective area is required. Duties include teaching undergraduate and graduate courses, serving on departmental committees, and developing a research program that involves both undergraduate and graduate students. Positions begin August 20, 2001. Complete notices of vacancy, position descriptions, and application procedures can be obtained at [website: www.mnscu.edu/dept/humanres/employment.html](http://www.mnscu.edu/dept/humanres/employment.html) or by contacting: **Department of Biological Sciences; Telephone: 507-389-2786**. Minnesota State University, Mankato, is an Affirmative Action/Equal Opportunity Employer.

### ASSISTANT PROFESSOR ENVIRONMENTAL CHEMISTRY

Assumption College, a Catholic liberal arts college, seeks an Assistant Professor of Chemistry (tenure track) for September 2001. Ph.D. with training in environmental chemistry is required. Teaching responsibilities will include general chemistry and courses in the area of specialization and may include analytical or organic chemistry. Candidates must support Assumption's mission. Submit application including a statement of teaching philosophy and the role of chemistry in the liberal arts, résumé, transcripts (unofficial now), and three letters of reference to: **Professor Brian Niece, Department of Natural Sciences, Assumption College, 500 Salisbury Street, Worcester, MA 01609-1296**. Review of applications is ongoing. Assumption College encourages applications from candidates of diverse cultural backgrounds. Equal Opportunity Employer.

### POSTDOCTORAL POSITION MOLECULAR BIOLOGY

Applications are invited to study gene expression in lymphocytes. Candidates should possess a Ph.D. and/or M.D. degree and a strong background in subtractive library, gene cloning, and expression. E-mail curriculum vitae and the names of three references to: **H. Zaghouani, The University of Tennessee, Knoxville, Department of Microbiology, M409 Walters Life Sciences Building, Knoxville, TN 37996 U.S.A. FAX: 865-974-4007; e-mail: hzaghou@utk.edu**. For more information on our research interest, visit our laboratory [website: http://division.bio.utk.edu/zaghouanilab/](http://division.bio.utk.edu/zaghouanilab/).

## POSITIONS OPEN

### TENURE-TRACK FACULTY POSITION DARTMOUTH COLLEGE

The Department of Physics and Astronomy at Dartmouth College invites applications for a tenure-track faculty position specializing in computational plasma physics or computational fluid mechanics. Candidate should have interest and experience in one of the areas represented in the Department: astrophysics and/or solar terrestrial physics; fluid dynamics and MHD; or physics of beams. Candidates must have demonstrated a high degree of excellence in research and must have a strong interest and ability in teaching at both the undergraduate and graduate levels. Screening of applications will begin December 20, 2000. Applicants should send a résumé, list of publications, a description of research and teaching plans, and the names and addresses of at least three references to the following address: **Faculty Search, Department of Physics and Astronomy, Dartmouth College, 6127 Wilder Laboratory, Hanover, NH 03755-3528 U.S.A.** For more information on our Department and its research and graduate programs, please check the [website: http://www.dartmouth.edu/physics](http://www.dartmouth.edu/physics).

Dartmouth College is an Equal Opportunity Employer. We encourage applications from women and minority Scientists.

### ASSISTANT PROFESSOR OF BIOLOGY

Randolph-Macon Woman's College, a selective liberal arts college with historic strengths in the sciences, invites applications for a tenure-track position at the level of Assistant Professor beginning in August 2001. The position requires a Ph.D. in a biological science and a strong commitment to teaching. Teaching responsibilities include a core course in general botany, introductory biology, and advanced courses in molecular and/or evolutionary plant biology. Additionally, regular participation in Senior Seminar and supervision of undergraduate research are expected. Preference will be given to candidates with a broad general biology background and teaching experience. Application review will begin December 10, 2000, and continue until position is filled. Send letter of application, including a statement of teaching and research interests; curriculum vitae; and names, mail and e-mail addresses, and telephone numbers of three references to: **Dr. Ronald D. Gettinger, Department of Biology, Randolph-Macon Woman's College, Lynchburg, VA 24503. Telephone: 804-947-8490; FAX: 804-947-8138; e-mail: rgettinger@rmwc.edu**.

The Department of Biology, University of Wisconsin-River Falls, invites applications for a full-time **TENURE-TRACK FACULTY POSITION** in anatomy and physiology. Ph.D. required and postdoctoral experience preferred. Preference given to candidates with demonstrated ability to teach anatomy and physiology, human biology, and introduction to biology. The ability to teach a course in comparative anatomy or/and embryology is desirable. The normal teaching load is 12 credits per semester. Additional expectations include development of an active research program that provides opportunities for undergraduate participation, student advising, and involvement in departmental, college, and University committees. Full vacancy notice and application information can be found at [websites: www.uwrf.edu/biology/position01-11.html](http://www.uwrf.edu/biology/position01-11.html) and [www.uwrf.edu/oec/UNCLASSEMP/Biology.htm](http://www.uwrf.edu/oec/UNCLASSEMP/Biology.htm). Review of applications will begin on 15 January 2001 and continue until the position is filled. Position begins on 27 August 2001. Affirmative Action/Equal Opportunity Employer.

A **RESEARCH SCIENTIST** position is available in a biopharmaceutical company. Ph.D. applicants with extensive experience in molecular immunology in the field of cancer research are invited to apply. Please send curriculum vitae with references to: **Dr. A. Young, Lorus Therapeutics Inc., Sunnybrook and Women's College HSC, 2075 Bayview Avenue, Room S115, Toronto, Ontario M4N 3M5 Canada. FAX: 416-488-8099**.

## POSITIONS OPEN

### ASSOCIATE RESEARCH SCIENTIST COLLEGE OF PHYSICIANS AND SURGEONS Columbia University

The Department of Ophthalmology at Columbia University seeks skilled Vision Scientist interested in neural and retinal pigment epithelial cell transplantation *in vivo*. Candidate must be able to perform pars plana vitrectomy surgery with ocular cell transplantation surgery in addition to postoperative fundus photography, fluorescein angiography, tissue fixation, and harvesting. Laboratory duties include isolation and maintenance of retinal cell lines in culture and performing ocular cell and organ culture studies with proper design and interpretation of results. We are seeking a highly motivated individual who can function autonomously. Requirements: M.D. degree with completion of residency training in ophthalmology. Fellowship training and/or demonstration of clinical expertise in vitreoretinal surgery essential. Applicants should have minimum of two years of research experience in retinal cell transplantation and must be experienced (more than 50 pars plana vitrectomies) in vitreous microsurgery. Interested individuals should send their résumé, two important reprints, and the names and addresses of three references to: **Lucian V. Del Priore, M.D., Ph.D., Department of Ophthalmology, College of Physicians and Surgeons, 630 West 168th Street, New York, NY 10032**. Columbia University takes Affirmative Action to ensure Equal Opportunity.

### RESEARCH SCIENTIST UNIVERSITY OF WASHINGTON

The Department of Laboratory Medicine seeks to hire a **TECHNICAL DIRECTOR** for its clinical hepatitis laboratory. This supervisory position will interact with Clinical Technologists, Clinicians, and staff. Candidate will develop new molecular diagnostic assays with focus on hepatitis C virus and will collaborate with laboratory research staff and will report directly to the Head of the Virology Division. The position requires a Ph.D. in microbiology or related field and more than four years of related postdoctoral experience. Expertise in PCR, especially continuously monitored quantitative PCR (TaqMan or other), skills in personnel and database management, and ability to handle multiple research and development projects desired. Flexibility to occasionally work in excess of eight hours per day and weekends as needed. Equivalent education/experience may substitute for stated requirements. Salary range: \$48,000 to \$50,000 per year. Send a résumé and letter describing relevant experience by December 31, 2000, to: **Keith Jerome, M.D., Ph.D., 1100 Fairview Avenue North, Box 358080, D3-100, Seattle, WA 98109**. The University of Washington is an Affirmative Action/Equal Opportunity Employer.

Influx, Inc., is a growing biopharmaceutical company committed to discovering novel agents effective against antibiotic-resistant pathogens.

**PROGRAM DIRECTOR:** Responsible for the coordination of *in vivo* efficacy studies, bioanalytical studies, and early drug development of lead compounds. Qualified candidates will have a Ph.D. in microbiology/pharmacology/medicinal chemistry with industrial background in drug discovery, preferably anti-infectives.

**SENIOR MICROBIOLOGIST:** Responsible for the implementation of a novel genetic screening method in Gram positive bacteria. Expertise in molecular biology and experience with Gram positive systems a must. Qualified candidates will have a Ph.D. in microbiology/molecular biology and more than three years of postdoctoral experience.

**RESEARCH MICROBIOLOGIST:** Expertise in molecular biology and experience with Gram positive pathogens. Recent Ph.D. graduate.

Influx offers a competitive salary and excellent benefits. Send résumé to: **Influx, Inc., Attention: Human Resources, 2201 West Campbell Park Drive, Chicago, IL 60612**.

## GLOBAL OPPORTUNITIES



### TENURE AND TENURE-TRACK POSITIONS ESTABLISHED AND ENTRY-LEVEL SCIENTISTS

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

Applications are invited for tenure and tenure-track positions for established leaders (full or associate professor) and for junior level (assistant professor) scientists in life sciences. We are particularly interested in scientists who employ modern molecular, cellular, and biophysical research tools to study genetics, cell biology, neurosciences, system physiology, pharmacology, immunology, bioinformatics, developmental biology and related areas. For entry-level positions, a Ph.D. and/or M.D. degree followed by successful post-doctoral training are required. Positions will be available starting October 2001. Applicants must have proven excellence in research, the ability to establish an independent research program, obtain extramural funds, and willingness to teach medical and graduate students.

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

Applications, including curriculum vitae, list of publications, a one page summary describing future research plans, and four letters of recommendation sent directly from the referees, should arrive no later than February 15, sent to:

**Mrs. Abbie Rosner**  
Coordinator, Search Committee  
Rappaport Faculty of Medicine  
P.O. B. 9649  
Haifa, Israel 31096  
E-mail: [rosner@tx.technion.ac.il](mailto:rosner@tx.technion.ac.il)



### Mayo Clinic Postdoc

A postdoctoral fellowship position is available immediately in an NIH-grant funded laboratory in the Departments of Pediatrics and Immunology. Research will focus on the molecular events that regulate T cell activation in the immune response. A major emphasis of the project is to elucidate key steps in the actions of immunosuppressant drugs. Methods will include molecular biologic analysis of signaling proteins as well as transgenic and knockout mice technologies. The overall aim of this project is to conduct basic research which will ultimately translate to improved outcomes following bone marrow transplantation for children with hematologic malignancies. Applications, including a curriculum vitae, summary of past accomplishments and names of three references should be sent to:

**Richard J. Bram, MD, PhD**

**Mayo Clinic**

**Guggenheim 5-20A**

**Rochester, MN 55905**

**E-mail: [richard.bram@mayo.edu](mailto:richard.bram@mayo.edu)**

**See also: <http://www.mayo.edu/research/>**

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

## EUROPEAN OPPORTUNITIES

**Friedrich Miescher Institute  
Basel / Switzerland**



### Group Leader Position in Epigenetics

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

The FMI ([www.fmi.ch](http://www.fmi.ch)), which is funded by the Novartis Research Foundation, is an International Institute with over 150 Postdoctoral Fellows and Graduate Students committed to basic research in areas including tumor biology and the nervous system. As of January 1, 2001 its new director will be Y.-A. Barde, successor to Max M. Burger. The FMI is located in Basel, a city offering an outstanding scientific environment in the centre of Europe. It provides state-of-the-art core technologies, transgenic mouse facilities and genomics/proteomics services. Competitive financial support, including running costs and positions, is offered.

Applicants should submit a CV, a concise description of research interest and future plans by January 5, 2001. The names of three scientists familiar with the achievements of the applicant should be included. Please address these materials to Witold Filipowicz (Friedrich Miescher Institute, P.O. Box 2543, 4002 Basel, Switzerland), who can also be contacted for additional information (tel. +41 61 6976993; [filipowicz@fmi.ch](mailto:filipowicz@fmi.ch)).



### Post-Doctoral Research Associate Cell-Extracellular Matrix Research

Ref: 970/00

An enthusiastic Post-Doctoral Research Associate is required to study the mechanism of how embryonic fibroblasts regulate the secretion of multimeric protein complexes to the extracellular matrix during tissue assembly. This is an exciting new project that incorporates areas of molecular biology, cell biology, bioimaging and proteomics. The successful applicant will work alongside 6 other post-doctoral research associates as well as research students and technicians with complementary expertise. The post is made available by a 5-year Programme Grant to Professor Karl Kadler, in the Wellcome Trust Centre for Cell Matrix Research. The post is available for 3 years in the first instance and extendable to 5 years after a satisfactory review.

Applicants should have a PhD in biochemistry, molecular biology or a related subject. Postdoctoral experience is desirable but not essential. The starting salary is on the Wellcome Trust Level Two scale £21,435 - £23,256 p.a., which includes the usual Wellcome Trust enhancement.

Application forms and further particulars are available from the Office of the Director of Personnel, The University of Manchester, Oxford Road, Manchester M13 9PL. Tel: 0161 275 2028; Fax: 0161 275 2471; Minicom (for the hearing impaired): 0161 275 7889; E-mail: [personnel@man.ac.uk](mailto:personnel@man.ac.uk)  
Web Site: <http://www.man.ac.uk>

Closing date: 18 December 2000. Please quote relevant reference number.

Further information on the project can be found at <http://www.biomed.man.ac.uk/kadler/> and information on the School of Biological Sciences can be found on <http://www.biomed.man.ac.uk/>



As an Equal Opportunities Employer, the University welcomes applications from suitably qualified people from all sections of the community regardless of race, religion, gender or disability.



## POSITIONS OPEN

### RESEARCH ENTOMOLOGIST/ MICROBIOLOGIST

The U.S. Department of Agriculture, Research, Education, and Extension, Agricultural Research Service (ARS), Northern Plains Area, Bee Biology and Systematics Laboratory, is accepting applications for a permanent, full-time Research Entomologist/Microbiologist to provide expertise that will contribute directly to the USDA Alternatives to Methyl Bromide initiative and the USDA Small Farms initiative. Specific research objectives are to (1) develop novel approaches for the management of chalkbrood (*Ascosphaera* spp.) in commercial scale populations of the alfalfa leafcutting bee, blue orchard bee, other bee pollinator species; (2) develop chemical and/or biological and cultural (e.g., sanitation) control methods for commercial-scale bee pollinator species; and (3) research the etiology of bee diseases by using culture media and diagnostic kits for isolation, identification, and enumeration of specific microorganisms. *U.S. citizenship* and a Ph.D. or equivalent is desired. Salary commensurate with experience (\$50,139 to \$91,589). For information on the research program and/or position, contact: **Dr. W. P. Kemp; Telephone: 435-797-2525; e-mail: wkemp@biology.usu.edu**. A copy of the vacancy announcement will be available on the ARS website: [www.ars.usda.gov/afm/hrd/resjobs](http://www.ars.usda.gov/afm/hrd/resjobs). For information on application procedures, contact: **John Watterson; Telephone: 435-797-3071**. Applications in response to this advertisement should be marked ARS-X0W-0342 and should be mailed to: **USDA, ARS, HRD, WOB, 5601 Sunnyside Avenue, Beltsville, MD 20705-5106**. Applications must be postmarked by the closing date of 31 December 2000. *USDA is an Equal Opportunity Provider and Employer.*

### SUPERVISORY HORTICULTURIST OR SUPERVISORY GENETICIST OR SUPERVISORY PLANT PATHOLOGY (Interdisciplinary)

The U.S. Department of Agriculture, Agriculture Research Service, Corvallis, Oregon, Horticultural Crops Research Unit, invites applications for the position of **RESEARCH LEADER, GS-14/15** (\$70,457 to \$107,738 per annum; salary commensurate with experience). The Research Leader will lead a dynamic group of 12 Scientists and 38 support staff and provide vision and leadership to address issues important in the production of horticultural and nursery crops in the Pacific Northwest. The Research Leader also conducts research evaluating aspects of the horticulture, genetics, or pathology of small fruits crops. A Ph.D. or equivalent in horticulture, plant genetics, or plant pathology or a closely related field is desired. This is a competitive, permanent appointment and *U.S. citizenship is required*. Applications must be marked ARS-X1W-1044. For specific application procedures and requirements, please call **Ms. Beth Harrington; Telephone: 541-750-8707; e-mail: beth.harrington@orst.edu**. You may obtain a copy of the vacancy announcement from **Ms. Harrington** or from the ARS website: <http://www.ars.usda.gov/afm/hrd/resjobs/index.htm> under Announcement ARS-X1W 1044. Applications must be postmarked by December 30, 2000. *ARS is an Equal Opportunity Provider and Employer. Women and minorities are encouraged to apply.*

**MOLECULAR GENETICIST.** The National Marine Fisheries Service is seeking candidates for a permanent position at our Santa Cruz Laboratory, Santa Cruz, California, studying the molecular genetics of Pacific salmon. Research will determine genetic diversity of salmon populations to address endangered species and fishery management issues. *Applicants must be U.S. citizens*, have a Ph.D. or equivalent education and experience, and have a strong record of molecular genetics research and publication. Salary range: \$54,003 to \$70,202 per year. To apply, see website: <http://www.usajobs.opm.gov> (Announcement W/NMF/SWC/010101.RJ) or **Telephone: 206-526-6294** for more information. Closes December 22, 2000. *Equal Opportunity Employer.*

## POSITIONS OPEN

**PLANT RESEARCH POSITIONS.** The J.R. Simplot Company is among the nation's largest privately held businesses. The company's mission statement, *Bringing Earth's Resources to Life*, embodies our reason for doing business. We mold many of the planet's raw materials into a variety of value-added items that sustain and enhance life (**website: <http://www.simplot.com>**). As part of our effort to create new synergies within the agricultural groups, we are seeking **SENIOR SCIENTISTS** (Ph.D.) and **RESEARCH SCIENTISTS** (M.S., B.S.) trained in molecular biology, biochemistry, and transformation to join our new plant research facility. Ph.D. positions require three or more years of relevant postdoctoral experience and a strong record of accomplishments. We need creative and highly motivated people to study agronomically important traits such as disease resistance and yield in turf grass and potato through transgenic research. Successful candidates should be broadly trained and highly motivated to develop new products in collaboration with others both within and outside the company. They should also demonstrate excellence in research, communication, and organization.

Our facilities are located in beautiful Boise, Idaho, nestled between the Rocky Mountains and Treasure Valley and close to a wide variety of cultural and recreational facilities. We offer a competitive salary and benefits package and a highly stimulating, interactive environment. Please send résumé with salary history by **e-mail: [wdavis@simplot.com](mailto:wdavis@simplot.com)** or mail to: **J. R. Simplot Company, P. O. Box 27, Boise, ID 83707. FAX: 208-389-7440. J.R. Simplot Company is an Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.**

### SENIOR ASSOCIATE EDITOR

The Contraceptive Research and Development (CONRAD) Program of the Eastern Virginia Medical School is dedicated to developing better, safer, and more acceptable methods of contraception that are especially suitable for use in developing countries and to improving reproductive health. An immediate opening for a **TECHNICAL WRITER/EDITOR** is available.

Responsibilities include (1) provide technical writing, editing, publication production oversight, and other forms of communication expertise; (2) prepare and supervise public relations for CONRAD at meetings, seminars, workshops, etc.; (3) act as a liaison with other agencies and organizations to finalize publications of collaborated work.

Qualifications include Master's degree or B.A. with equivalent experience in public health, science, journalism, or related field. Three or more years of experience in preparing and producing publications (professional editing and production skills are necessary). Media experience is an asset. Proficiency in Microsoft software is desirable. Send résumé to:

**CONRAD Program  
Attention: Marlene Utecht  
1611 North Kent Street, Suite 806  
Arlington, VA 22209  
E-mail: [mutecht@conrad.org](mailto:mutecht@conrad.org)**

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

**MICROSCOPY IMAGING SPECIALIST** (Research Associate 3) sought to assist in acquisition/analysis of digital microscopy images and to provide oversight, user training, and management of multi-user digital imaging equipment. Minimum qualifications: B.S. degree or equivalent in biological science or related field with two years of relevant experience or training in light and fluorescence microscopy or an M.S. degree. Experience with deconvolution, confocal microscopy, 3-D image reconstruction desirable. Application deadline: January 5, 2001, or until candidate is selected. Reference Log Number 14225. Send application, including a résumé and two letters of recommendation, to: **Dr. R. Bruch, Department of Biological Sciences, 508 Life Sciences Building, Louisiana State University, Baton Rouge, LA 70803. E-mail: [rbruch@lsu.edu](mailto:rbruch@lsu.edu)**. *LSU is an Equal Employment Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### POSTDOCTORAL POSITIONS THE UNIVERSITY OF PENNSYLVANIA HEALTH SYSTEM Department of Dermatology

Postdoctoral positions are available on a NIH-funded training program in investigative dermatology to study the molecular, cellular, and tissue aspects of a wide variety of problems in cutaneous biology. Research will be conducted under the mentorship of established Investigators in any of the following areas: cell adhesion, cell proliferation and differentiation, cutaneous oncology/immunology, epidemiology, extracellular matrix and wound healing, genetic skin disease, inflammation, developmental biology, and gene therapy and signal transduction. The Fellowship will provide the recipient with an opportunity to work in a challenging environment with an active mentoring program. Candidates must have an M.D., Ph.D., or M.D.-Ph.D. and be a *U.S. citizen or permanent resident*. Please send curriculum vitae and summary of current research and goals along with the names of three references to: **Robert M. Lavker, Ph.D., Director of Research, Department of Dermatology, University of Pennsylvania Health System, 415 Curie Boulevard, 232 Clinical Research Building, Philadelphia, PA 19104. Telephone: 215-898-3232; FAX: 215-573-2143; e-mail: [lavker@mail.med.upenn.edu](mailto:lavker@mail.med.upenn.edu)**.

**A TENURE-TRACK SENIOR STAFF FELLOW/VISITING SCIENTIST** position is available at the Center for Biologics on the NIH campus. The applicant will have broad latitude to study the biologic and therapeutic activity of CpG oligonucleotides (CpG ODN) and/or DNA vaccines using *in vitro* and *in vivo* models. Research should complement ongoing studies relating to the cellular/molecular recognition of CpG ODN in humans. Experience in IND review is desired, as one element of the position involves the review of INDs relating to CpG ODN and DNA vaccines. An M.D. and/or Ph.D. with at least five years of experience and skills in immunology and/or molecular biology is preferred. Salary is commensurate with experience. Qualified candidates should send curriculum vitae, names of three references, and a short letter describing their interests and future goals to: **Dennis Klinman, Building 29A, Room 3D10, CBER/FDA, Bethesda, MD 20852. United States citizens, permanent residents, and/or H1-B visa applicants are eligible.**

### POSTDOCTORAL POSITIONS (RESEARCH ASSOCIATE)

Available in Departments of Biochemistry (Job Number 994240), Cell Biology and Anatomy (Job Number 994238), Microbiology and Immunology (Job Number 994242), Pharmacology/Toxicology (Job Number 994241), and Physiology (Job Number 994239). A Ph.D., M.D., or equivalent degree required. Positions available during 2001. Review of applications begins on January 2, 2001, and will continue until filled. Send curriculum vitae and letter of interest referencing Job Number to: **appropriate Department Head, The University of Arizona, Arizona Health Sciences Center, Tucson, AZ 85724. Human Resources website: [www.hr.arizona.edu](http://www.hr.arizona.edu)**.

*The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer; Minority/Women/Disabled/Veteran.*

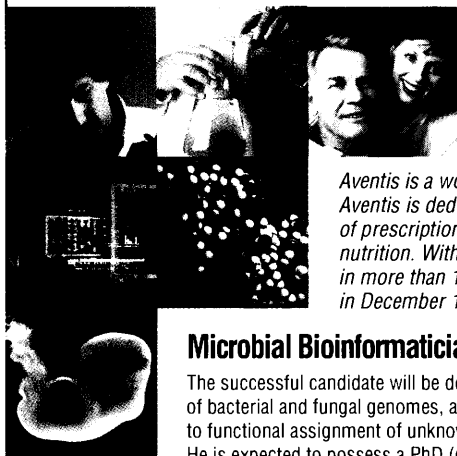
**RESEARCH TECHNICIAN or POSTDOCTORAL FELLOW** wanted to investigate human mitochondrial tRNA end-processing and disease. Master's degree in biochemistry or molecular biology and two years of research experience with RNA and/or enzyme purification required; Ph.D. preferred. Send curriculum vitae including names, addresses, telephone numbers, and e-mail addresses of three references to: **Dr. Louis Levinger, Natural Sciences/Biology, York College/CUNY, 94-20 Guy R. Brewer Boulevard, Jamaica, NY 11451**. For additional information, see **Dr. Levinger's website: <http://natsci.york.cuny.edu/>**. *Equal Opportunity/Affirmative Action/Americans With Disabilities Act Employer.*



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## Bioinformatician in the Infectious Disease Group

*Aventis is a world leader in life sciences. Focused on two core business areas - pharmaceuticals and agriculture - Aventis is dedicated to improving life through the discovery and development of innovative products in the fields of prescription drugs, vaccines, therapeutic proteins, crop production and protection, animal health and nutrition. With global corporate headquarters in Strasbourg, France, Aventis employs around 95,000 people in more than 120 countries and recorded pro forma sales in 1999 of 20.5 billion euros. Aventis was launched in December 1999 through the merger of Hoechst AG of Germany and Rhone-Poulenc SA of France.*

### Microbial Bioinformatician

The successful candidate will be dedicated to computational analysis of bacterial and fungal genomes, and to analysis of data related to functional assignment of unknown genes.

He is expected to possess a PhD (or equivalent) in a relevant scientific discipline with at least 3 years post-doctoral experience. Applicants should have extensive and demonstrable expertise in bioinformatics, especially in microbial sequence analysis, and have a pronounced ability to pro-actively identify, critically assess, and implement computational methods and tools. A good knowledge of biological sciences, especially molecular biology and microbiology, is highly desirable.

Strong communication and team-work skills are essential as the post will require productive interaction with Infectious Disease Group scientists to provide new bioinformatic approaches to biological problems and to provide expert knowledge and general support in bioinformatics to the Group. Fluency in English is required.

Please send cover letter and full CV to:

**AVENTIS PHARMA S.A.**, Centre de Recherche de Vitry-Alfortville,  
Direction des Ressources Humaines, Christine LOUVEAU,  
13 quai Jules-Guesde, 94403 Vitry-sur-Seine, France.  
E-mail (MS Word): [Christine.Louveau@aventis.com](mailto:Christine.Louveau@aventis.com)

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## MOLECULAR PHARMACOLOGIST

*A senior research position is available for a molecular pharmacologist in the Department of Cellular and Molecular Biology at the Centre de Recherche Pierre Fabre (C.R.P.F.) in Castres (South of France). The C.R.P.F. is a drug discovery research center active in CNS, cardiovascular and cancer research. Receptor signalling is a major field of interest.*

*The candidate will be responsible for the activities related to molecular pharmacology in the Department, and cooperate with other scientists active in cellular and molecular biology. Planning and coordination of innovative research activities and writing of high-standard scientific papers will be permanent objectives. The candidate should have a PhD level training and a proven background in G protein-coupled receptor signalling, the capacity to handle innovative research activities, a record of publications as principal author and fluent in oral and written English. He or she should be capable of working in a flexible multidisciplinary environment where high-quality results are expected. Experience with various receptor expression systems, neuronal cultures and biostatistics will be an advantage.*

*This research position is open immediately. Send your detailed CV together with a list of three referees réf. M103/S to **Pierre Fabre Médicament**, Human Resources Departement, Parc Industriel de la Chartreuse, 81106 Castres Cedex, France. E-mail : [recrutement.cadres.pfm@pierre-fabre.com](mailto:recrutement.cadres.pfm@pierre-fabre.com)*

*More detailed information can be obtained from Dr. P.J. Pauwels. E-mail : [peter.pauwels@pierre-fabre.com](mailto:peter.pauwels@pierre-fabre.com)*

BDDP CORPORATE

## POSITIONS OPEN

**POSTDOCTORAL POSITION.** Pacific Biomedical Research Center, Kewalo Marine Laboratory, to begin approximately January 2001 for one year full-time, pending funding; renewal dependent upon availability of funds. Duty locations will be at the Department of Botany and Kewalo Marine Laboratory, University of Hawaii at Manoa. Duties: marine ecology, microbial/algal invertebrate interactions. Responsible for overseeing all aspects of a biofouling testing program and developing a personal research program involving reproduction, development, or recruitment of fouling organisms. Minimum qualifications: Ph.D. in biological sciences with an emphasis in marine ecology and appropriate research experience in both laboratory and field studies with an emphasis on experimental design and data analysis. Computer skills are expected. Annual stipend: \$29,000. Send application including résumé, reprints, and three letters of recommendation to: **Michael G. Hadfield, Kewalo Marine Laboratory, Pacific Biomedical Research Center, University of Hawaii, 41 Ahui Street, Honolulu, HI 96813.** Inquiries: **Michael G. Hadfield; Telephone: 808-539-7319; FAX: 808-599-4817; e-mail, hadfield@hawaii.edu.** Closing date: January 4, 2001.

### POSTDOCTORAL POSITION(S) MOLECULAR NEUROONCOLOGY

Postdoctoral Fellowship positions in molecular biology and biochemistry are available to study signal transduction events in normal and transformed brain astrocytes. Research will focus on signaling events induced by oncogenic *erbB* receptor tyrosine kinases with special emphasis on mechanisms of signal attenuation and inhibition. Basic events modulating apoptosis of brain astrocytes will be explored. Candidates must have experience in molecular biology and biochemical techniques required for study of mammalian cancer cells. Interested individuals should send curriculum vitae to: **Donald M. O'Rourke, M.D., Departments of Neurosurgery and Pathology and Laboratory Medicine, University of Pennsylvania School of Medicine, 502 Stemmler Hall, 36th and Hamilton Walk, Philadelphia, PA 19104.** E-mail: **orourked@mail.med.upenn.edu.**

### POSTDOCTORAL POSITION

Position available to study structure/function relationships in potassium channels. The project will use protein biochemical and electrophysiological techniques to study functional properties of prokaryotic potassium channels. Experience in molecular biology, protein biochemistry, or electrophysiology required. Interested applicants should send curriculum vitae and the names of three references to: **Lise Heginbotham, Department of Molecular Biophysics and Biochemistry, Yale University, 266 Whitney Avenue, New Haven, CT 06520-8114.** E-mail: **lise.heginbotham@yale.edu.**

**POSTDOCTORAL POSITION** available to study *E. coli* interaction with endothelial cells. We utilize molecular biology, cell culture, and signal transduction techniques to investigate the mechanisms involved in the development of neonatal meningitis. Send curriculum vitae to: **Prasad Rao V. Nemani, Ph.D., Children's Hospital Los Angeles and University of Southern California School of Medicine, 4650 Sunset Boulevard, Los Angeles, CA 90027.** Telephone: 323-669-5465; FAX: 323-660-2661; e-mail: **pnemani@chla.usc.edu.**

**POSTDOCTORAL FELLOW** at Yale University: Position available immediately to study the role of DNA polymerases in meiosis. See *Proc. Natl. Acad. Sci. U.S.A.* 94:1327. Experience in molecular biology, immunohistochemistry, animal handling, and tissue culture is a plus. Send curriculum vitae, reprints, and the names of three references to: **Dr. Joann B. Sweasy, Department of Therapeutic Radiology, Yale University School of Medicine, 333 Cedar Street, P.O. Box 208040, New Haven, CT 06520.**

## POSITIONS OPEN

The Vanderbilt *In Vivo* Imaging Center is recruiting several **POSTDOCTORAL ASSOCIATES** to work with a multidisciplinary team on the development and application of optical methods for early cancer diagnosis and monitoring of treatment efficacy. Interdisciplinary training opportunities are open to researchers with a strong background in either laser physics and optics, organic chemistry, engineering, or cell and molecular biology. The collaborative atmosphere of the Center offers tremendous growth potential and would make an excellent environment for those wishing to expand their main field of research. Selection of candidates will begin immediately. Please send curriculum vitae and names of three references to: **Dr. David W. Piston, Director, Keck FEL Center, Box 1816 Station B, Vanderbilt University, Nashville, TN 37235.** *Vanderbilt University is an Equal Opportunity Employer.*

### POSTDOCTOR PHARMACOKINETICS

A **POSTDOCTORAL FELLOW** is being sought to conduct pharmacokinetic studies. Responsibilities include utilizing HPLC, LC-MS, and radiolabeling methods to analyze drug ADME profile. Qualified candidates should have a Ph.D. in pharmacology or pharmaceutical sciences plus bioanalytical experience. Due to the nature of our mission, only nonsmoking candidates will be considered. Candidates may e-mail a résumé to: **ljia@saci.org** or send a résumé to: **The Cancer Therapy and Research Center, 8122 Data-point, Suite 250, San Antonio, TX 78229.** Visit our website: **www.ctrc.saci.org.**

A **POSTDOCTORAL POSITION** is available immediately to study the organization and replication of a novel form of mitochondrial DNA (kinetoplast DNA). Research focuses on the mechanism of cell cycle regulation of DNA replication genes, the identification of new genes involved in kinetoplast DNA replication, and the role of histone-like proteins in the organization and segregation of kDNA networks. See *Mol. Cell. Biol.* 19:6174-6182, 1999; *PNAS* 96:2579-2581, 1999; *Mol. Cell. Biol.* 16:564-576, 1996. Send curriculum vitae and the names of three references to: **Dr. Dan S. Ray, Molecular Biology Institute, UCLA, Los Angeles, CA 90095-1570.** E-mail: **danray@mbi.ucla.edu.**

**POSTDOCTORAL POSITION** to study gene expression and signaling and protein profiling of multiple myeloma using cDNA microarrays, SNP analysis, and 2D protein/mass spectroscopy. Applicants must have Ph.D., demonstrated productivity in molecular techniques and protein analyses, and a desire to initiate new directions in cancer genetics. Send cover letter indicating research experience, curriculum vitae, and names of three references to: **Dr. Brian Van Ness, Department of Genetics, Cell Biology, and Development, University of Minnesota, 6-160 Jackson Hall, 321 Church Street, Minneapolis, MN 55455.**

A **POSTDOCTORAL POSITION** is available for a Ph.D. with relevant experience to study molecular genetic mechanisms of hearing impairment in mouse mutants that overexpress a set of genes from the human 22q11 region associated with congenital anomaly disorders. Send statement of interests, curriculum vitae, and addresses of three references to: **Bernice Morrow, Ph.D., Department of Molecular Genetics, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461.** E-mail: **morrow@aecom.yu.edu; website: www.aecom.yu.edu.** *Equal Opportunity Employer.*

**POSTDOCTORAL POSITION** is available to study mechanisms of inherited retinal degenerations using molecular biology, biochemistry, and cell biology approaches. Please send application to: **Dr. Tiansen Li, Massachusetts Eye and Ear Infirmary, Harvard Medical School, 243 Charles Street, Boston, MA 02114.** FAX: 617-573-3216; e-mail: **tli@meci.harvard.edu; website: www.howelaboratory.harvard.edu.**

## POSITIONS OPEN

### POSTDOCTORAL FELLOWSHIPS IN APPLIED CONSERVATION

The Nature Conservancy (TNC) announces the fourth round of David H. Smith Conservation Research Fellowships, which provide two-year postdoctoral support in applied conservation biology. Each Fellow will carry out research pertinent to conservation issues in the United States, with an institution selected by the Fellow, in close association with a TNC mentor. Research will focus on priority TNC sites in the United States or questions germane to them. Research themes of particular interest include conservation planning, climate change, and invasive species. Proposals are due February 18, 2001. Funding for Fellows will be available August 2001. For more information, including the proposal guidelines, see the Smith program website: **http://consci.tnc.org/smith.htm.** You can also request a copy of the guidelines by sending an e-mail or writing to: **Smith Conservation Research Fellowship Program, The Nature Conservancy, 4245 North Fairfax Drive, Suite 100, Arlington, VA 22203-1606.** E-mail: **postdoc@tnc.org.** *The Nature Conservancy is an Equal Opportunity Employer.*

### POSTDOCTORAL POSITION SAINT LOUIS UNIVERSITY

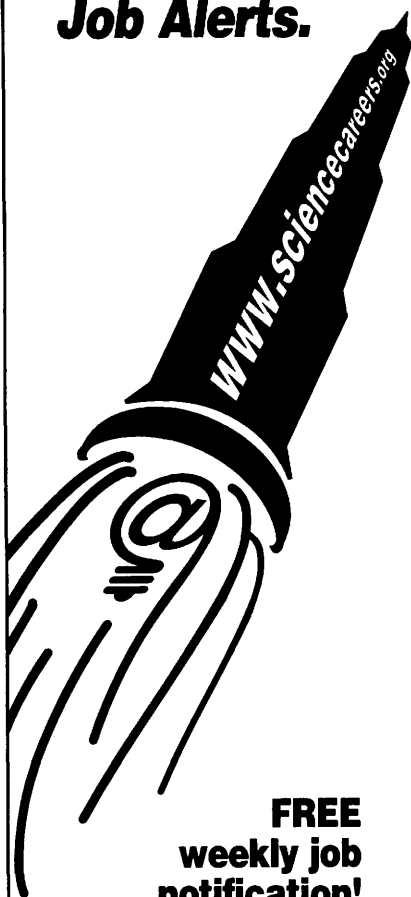
An NIH-funded Postdoctoral position is available to study the effects of hypoxia on redox-sensitive transcriptional regulation of gram-negative bacterial lipopolysaccharide-induced cytokine gene expression. Projects involve characterization of genomic mechanisms as they relate to the oxidant/antioxidant balance within hepatic and pulmonary macrophages during sepsis-related lung injury. A recent Ph.D. with well-grounded training in basic molecular biological techniques is required. Please submit curriculum vitae including names and addresses of three references to: **Dr. George M. Matuschak, Division of Pulmonary, Critical Care, and Occupational Medicine, Department of Internal Medicine, Saint Louis University Hospital, 3635 Vista Avenue at Grand Boulevard, Saint Louis, MO 63110.** Telephone: 314-577-8856; FAX: 314-577-8859; e-mail: **Matuschgm@slu.edu.**

**POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE/INSTRUCTOR/ASSISTANT PROFESSOR.** Transcription factors in liver development and cancer. Positions are available to study (1) a novel developmental transcription factor, (2) locus control mechanisms during development, and (3) development of new approaches to the computerized definition of cis transcription controls. Positions can be set up to accommodate qualified recent graduates or more experienced Transcriptional Researchers. Salaries are competitive and negotiable. Please send curriculum vitae and the names of two references to: **Joseph Locker, Professor, Department of Pathology, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461.** Telephone: 718-430-3422; FAX: 718-430-3483; e-mail: **locker@aecom.yu.edu.** *Equal Opportunity Employer.*

### POSTDOCTORAL RESEARCH ASSOCIATE

Population modeler to work with interdisciplinary team analyzing temporal and spatial dynamics of prion disease in deer populations. Requires Ph.D. in mathematics or biological science, experience in mathematical and simulation modeling, and training in maximum likelihood parameter estimation. See website: **http://nrel.colostate.edu/opportun/long-term.html** for more details. Send curriculum vitae, statement of research interests and experience, and contact information for three references to: **Natalie Lucero, Natural Resource Ecology Laboratory, Colorado State University, Fort Collins, CO 80523-1499.** Closing date: December 21, 2000. *Colorado State University is an Equal Opportunity/Affirmative Action Employer. Employment Opportunity Office: 101 Student Services.*

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The current Director of the Paul Scherrer Institute (PSI) will be retiring in the summer of 2002. We are therefore seeking to appoint a suitable individual to the post of

## Director of the PSI

in Würenlingen/Villigen, Canton of Aargau, Switzerland. The Paul Scherrer Institute is a multidisciplinary Federal research institute (employing approx. 1,200 people) which, like the Swiss Federal Institutes of Technology, belongs to the ETH-Domain. It engages in ambitious research activities including solid-state physics and material sciences, particle physics and astrophysics, biology and medicine, and energy and environmental research. It collaborates closely with universities, other research institutes, polytechnics and industry on both a national and an international level. The PSI has an extensive technical infrastructure. Developed to fulfil a "user lab" function, it plans, builds and operates complex major research facilities (cyclotron, SINQ spallation neutron source, SLS Synchrotron Light Source Switzerland, mion spectrometer) which are particularly demanding in terms of expertise, experience and professionalism.

The Director manages the PSI and bears responsibility for the scientific, technical and business matters. He or she may be affiliated to the Federal Institute of Technology at Zurich or Lausanne.

We are seeking to fill this demanding position with an outstanding scientist with proven management capabilities, leading international expertise in one of the PSI's areas of interest, and the ability to collaborate closely within the ETH-Domain, with industry, and with both the national and the international scientific community. We place particular emphasis on excellent communication skills.

Please send your written application with the usual documents by December 8, 2000 to Prof. Dr. Francis Waldvogel, President of the ETH Board, ETH Zentrum, CH-8092 Zürich. Your application will be treated in the strictest confidence.

## POSITIONS OPEN

### POSTDOCTORAL RESEARCH ASSOCIATE

Closing date: February 1, 2001. Department: University of Maryland, College of Life Sciences, Joint Institute for Food Safety and Applied Nutrition. Starting salary: \$24,205 to \$30,861 (commensurate with experience).

### MULTIPLE POSITIONS

The Joint Institute for Food Safety and Applied Nutrition (JIFSAN), a multidisciplinary research and education program jointly administered by the University of Maryland and the U.S. Food and Drug Administration, invites applicants for Postdoctoral Research Associate positions. The positions will be located in the laboratories of the Food and Drug Administration.

Multiple positions are available. Applicants are sought to conduct research in the following areas: (1) natural toxins, specifically aflatoxins, evaluating the efficacy and improved safety of reduced aflatoxin levels in agricultural commodities and resultant residues in foods obtained from animals fed the contaminated feed (Washington, D.C.); (2) seafood safety, with special emphasis on developing methods for rapid detection and enumeration of pathogens (Dauphin Island, Alabama); (3) gene expression in virus-infected mammalian cells (Washington, D.C.); (4) transfer of rapid, sensitive, and specific yet complex pathogen detection technology from the bench to the FDA Field Laboratories (Washington, D.C.); and (5) rapid molecular diagnosis of viral pathogens in contaminated food matrices (Dauphin Island, Alabama).

Additional information about the research programs and positions is available at **website: [www.jifsan.umd.edu](http://www.jifsan.umd.edu)**. Applicants should possess a Ph.D. in the areas of microbiology, molecular biology, chemistry, or a related field. Qualified applicants should send curriculum vitae and the names, titles, and addresses of three references to: **Dr. David Lineback, Joint Institute for Food Safety and Applied Nutrition, University of Maryland, 0220 Symons Hall, College Park, MD 20742**. The descriptive title of the position in which you are interested must be designated on your application. Deadline for application is February 1, 2001. *Equal Opportunity Employer/Affirmative Action*.

### POSTDOCTORAL POSITION SIGNAL TRANSDUCTION IN BACTERIAL PATHOGENESIS

A Postdoctoral position is available immediately to study the host epithelial signal transduction mechanisms involved in the pathogenesis of respiratory tract infections (*PNAS* 95:5718, 1998). Applicants should have a Ph.D. and/or M.D. with a strong background in microbiology and/or molecular biology. Experience in signal transduction, cell biology, and/or protein biochemistry a plus. Salary begins from \$36,000 per year with excellent benefits. Please send curriculum vitae and names of three references to: **Dr. Jian-Dong Li, Department of Cell and Molecular Biology, House Ear Institute, 2100 West Third Street, Los Angeles, CA 90057. Telephone: 213-273-8083; FAX: 213-273-8088; e-mail: [jdli@hei.org](mailto:jdli@hei.org)**. *Affirmative Action/Equal Opportunity Employer*.

**POSTDOCTORAL POSITIONS** in virology available immediately to study herpes virus DNA replication (HHV-8 and HCMV), cytomegalovirus latency, and pathogenesis of hantaviruses. Qualifications: Ph.D. in molecular biology, microbiology, biochemistry, or related field is required. Training in molecular biology of viruses or other infectious agents is preferred. Reno is an ideal place to live. It is located on the edge of the Sierra Nevada mountains, offers outstanding outdoor activities, and is close to San Francisco and the wine country. Contact: **Gregory S. Pari, Ph.D. or Stephen St. Jeor, Ph.D., University of Nevada-Reno, Department of Microbiology, School of Medicine, Howard Building, Reno, NV 89557**. Application review will begin January 2, 2001.

## POSITIONS OPEN

### Wadsworth Center

New York State Department of Health

### POSTDOCTORAL OPPORTUNITIES

Several NIH-supported Postdoctoral positions are available at the Wadsworth Center, located in Albany, New York. The Wadsworth Center provides a dynamic academic environment equipped with state-of-the-art facilities for research and hosts a graduate program in biomedical sciences. For further information, visit our **website: <http://www.wadsworth.org/resnres/molframe.htm>**. Openings are available with the following investigators:

**Marlene Belfort:** Dynamics of mobile self-splicing introns.

**M. Joan Curcio:** Retrotransposons and genome evolution in yeast.

**Keith M. Derbyshire:** Transposition and conjugation in *E. coli* and mycobacteria.

**Lorraine Flaherty:** Mouse models for human diseases; genetics of complex traits in the mouse.

**Kathleen A. McDonough:** Molecular and cellular pathogenesis of tuberculosis.

**Paul S. Masters:** Genetics of RNA virus replication.

**Anne Messer:** Gene therapy for neurological diseases.

**R. H. Morse:** Chromatin and transcription in yeast.

To apply, please send a cover letter indicating which investigator(s) you are interested in and curriculum vitae including names of three references to:

**Dr. Randall H. Morse  
Wadsworth Center  
P.O. Box 22002  
Albany, NY 12201-2002**

*Funding is administered by Health Research, Inc., an Equal Employment Opportunity/Affirmative Action Employer.*

**POSTDOCTORAL POSITIONS** are available in the Department of Anatomy and Cell Biology at Columbia University to be supported by an NIH training grant for research in simple vertebrate and invertebrate systems. In addition, funding is available to study the role of regulated proteolysis and pathogenesis of *Legionella*, using *Dictyostelium amoebae* as a model. Separate funding is also available in areas that include organelle motility, establishment of cell polarity, molecular mechanisms of hormone secretion, and cytoskeletal dynamics as well as the molecular mechanisms underlying development of the nervous system. See the Departmental **website** for details: <http://cpmcnet.columbia.edu/dept/gsas/anatomy/>. All candidates must have a Ph.D. or an M.D. degree. Interested candidates must send a cover letter with area of interest, curriculum vitae, and names of three references to: **Attention: Postdoctoral Positions, Department of Anatomy and Cell Biology, Columbia University, 630 West 168th Street, New York, NY 10032**. *We take Affirmative Action toward Equal Employment Opportunity. Members of underrepresented minorities are encouraged to apply.*

### NASA PLANETARY BIOLOGY INTERNSHIPS

The Marine Biological Laboratory, Woods Hole, Massachusetts, invites applications from graduate students and seniors accepted to graduate programs for internships to explore scientific questions of global scale about the planet Earth. Interns will receive awards of \$2,200 plus travel to participate in research at NASA centers and collaborating institutions for approximately eight weeks. Typical intern programs include global ecology, remote sensing, microbial ecology, biomineralization, and origin and early evolution of life. Application deadline: March 1, 2001. For information/applications, contact: **Michael Dolan, Planetary Biology Internship, Department of Geosciences, Box 35820, University of Massachusetts, Amherst, MA 01003-5820. E-mail: [pbi@geo.umass.edu](mailto:pbi@geo.umass.edu). Telephone: 413-545-3223**. *An Equal Opportunity/Affirmative Action Institution.*

## POSITIONS OPEN

### POSTDOCTORAL POSITION CELL AND MOLECULAR BIOLOGY TEACHING

The Department of Biology at Juniata College (**website: [www.juniata.edu/biology/](http://www.juniata.edu/biology/)**) invites applications for a von Liebig Teaching Postdoctoral Fellow in cell and molecular biology, possible renewable for up to three years upon review. We seek an individual utilizing modern molecular techniques to address questions in cell biology. Teaching responsibilities may include participation in the combined biology/chemistry freshman laboratory, lecture courses and laboratories in cell and molecular biology, and a specialty course in the successful candidate's discipline. This position is made available by a major expansion of the Department's focus in the areas of biochemistry and cell and molecular biology (BCMB). Construction of a new 83,000-square-foot science building, projected to be complete for the 2002-2003 academic year, will house the BCMB faculty of the Biology Department as well as the Chemistry Department. Juniata College is an undergraduate liberal arts institution with an enrollment of 1,250 and a strong program in the natural sciences. Candidates must be willing to mentor students in supervised and independent research efforts.

Funds for research and dedicated research space will be provided. Applicants with an earned Ph.D. and postdoctoral or teaching experience should submit one-page statements of (1) teaching experience, philosophy, and interests; and (2) a description of their research program appropriate for engaging undergraduates in research at a liberal arts college; as well as (3) curriculum vitae; (4) undergraduate and graduate academic transcripts; and (5) three letters of recommendation to: **Gail Leiby Ulrich, Director of Human Resources, Juniata College, Huntingdon, PA 16652**. Review of applications will begin January 16, 2001, and continue until the position is filled.

*Affirmative Action/Equal Opportunity Employer. Juniata is committed to gender and cultural diversity and encourages applications from women and minorities.*

### POSTDOCTORAL POSITIONS BIOORGANIC AND MEDICINAL CHEMISTRY

#### Harvard Medical School

Two Postdoctoral positions are available immediately to study protease targets for Alzheimer's disease (see *Nature* 398:513, 1999; *Biochemistry* 38:4720, 1999; *Biochemistry* 38:11223, 1999; *Nature Cell Biol.* 2:428, 2000). Applicants must demonstrate a strong record of achievement in bioorganic design, synthesis, and evaluation, especially with respect to either (1) affinity labeling of proteins (experience in enzymology is also highly desirable) or (2) developing combinatorial libraries and high-throughput assays. The successful candidates will work well in an interdisciplinary environment ranging from synthetic chemistry to molecular and cell biology. Send curriculum vitae and three letters of recommendation to: **Dr. Michael S. Wolfe, Center for Neurologic Diseases, Brigham and Women's Hospital, 77 Avenue Louis Pasteur, Boston, MA 02115. E-mail: [wolfe@cnd.bwh.harvard.edu](mailto:wolfe@cnd.bwh.harvard.edu)**.

**MOLECULAR BIOLOGY or MOLECULAR GENETICS.** Position available at the **POSTDOCTORAL or RESEARCH ASSOCIATE** level. Applicant should have a strong background in molecular biology and/or molecular genetics. Experience with microarrays is desirable. The research project involves a multidisciplinary approach to the neurobiology of specific diseases with a team of researchers integrating molecular biology, neurobiology and neuroendocrinology, molecular genetics, physiology, psychology, psychiatry, imaging technologies, and behavioral studies. Competitive salary and excellent benefits. Send curriculum vitae to: **Dr. Mary Jeanne Kreek, The Rockefeller University, 1230 York Avenue, Box 171, New York, NY 10021. E-mail: [laforgek@rockvax.rockefeller.edu](mailto:laforgek@rockvax.rockefeller.edu)**. *Affirmative Action/Equal Opportunity Employer.*

## TRAINING

### GRADUATE TRAINING MOLECULAR PLANT PATHOLOGY

Competitive stipends are available for students to pursue state-of-the-art research for M.S. and Ph.D. degrees in molecular aspects of plant-microbe interactions. Faculty and their main interests are: **Peter Nagy** (e-mail: [pdnagy2@pop.uky.edu](mailto:pdnagy2@pop.uky.edu)); viral RNA recombination, replication, and repair. **Mark Farman** (e-mail: [farman@pop.uky.edu](mailto:farman@pop.uky.edu)); genetic and genomic studies of pathogenic fungi. **Lisa Vaillancourt** (e-mail: [vaillan@pop.uky.edu](mailto:vaillan@pop.uky.edu)); molecular genetics of fungal pathogenicity and multicellular development. **Chris Schardl** (e-mail: [schardl@pop.uky.edu](mailto:schardl@pop.uky.edu)); evolution and biochemical mechanisms of protective mutualisms. **Said Ghabrial** (e-mail: [saghab00@pop.uky.edu](mailto:saghab00@pop.uky.edu)); soybean viruses and viruses pathogenic to fungi. The Department will soon occupy new facilities, custom-tailored with the latest technologies for modern research in plant sciences, microbiology, and molecular biology. Visit our website: <http://www.ca.uky.edu/agcollege/plantpathology/ppdept.htm> and contact: **Christopher L. Schardl**, Director of Graduate Studies, Department of Plant Pathology, S-305 AGN, University of Kentucky, Lexington, KY 40546-0091. Telephone: 859-257-8758; FAX: 859-323-1961; e-mail: [schardl@pop.uky.edu](mailto:schardl@pop.uky.edu). The University of Kentucky is an Equal Opportunity Employer.

## COURSES & TRAINING

**SHORT COURSE ON TIME-RESOLVED FLUORESCENCE SPECTROSCOPY.** The Center for Fluorescence Spectroscopy at the University of Maryland School of Medicine is offering a short course on "Principles and Applications of Time-Resolved Fluorescence Spectroscopy" in Baltimore, Maryland, March 19-23, 2001. The course will cover basic and advanced topics in fluorometry, including time- and frequency-domain measurements, and Förster energy transfer. Advanced topics include chemical sensing, imaging, fiber optics, infrared fluorometry, two-photon excitation, instrumentation, confocal and multiphoton microscopy, protein fluorescence, DNA technology, high-throughput screening, metal-ligand probes, lanthanides, and immunoassays. Textbook, course materials, lunches, and refreshments will be provided. For further information, a schedule, and fees, please contact: **Ms. Mary Rosenfeld** or Professor **J. R. Lakowicz** at the CFS, Department of Biochemistry and Molecular Biology, 725 West Lombard Street, Baltimore, MD 21201. Telephone: 410-706-8409; FAX: 410-706-8408; e-mail: [cfs@cfs.umbi.umd.edu](mailto:cfs@cfs.umbi.umd.edu); website: <http://cfs.umbi.umd.edu>.

### CAREER IN OPTOMETRY, OPTOMETRIC RESEARCH, OR TEACHING

The New England College of Optometry offers a unique program for those with a Doctorate in the sciences: biology, chemistry, physics, psychology, etc. Candidates have the opportunity to obtain the Doctor of Optometry (O.D.) degree in 27 months. The program begins annually in June. Employment opportunities exist in private practice, industry, faculty positions in optometric education, and research. Contact: **The Admissions Office, Department S, 424 Beacon Street, Boston, MA 02115.** Telephone: 800-824-5526; e-mail: [admisso@ne-optometry.edu](mailto:admisso@ne-optometry.edu). Additional information, see website: [www.ne-optometry.edu](http://www.ne-optometry.edu). Application deadline: March 1, 2001.

## POSITIONS OPEN

### POSTDOCTORAL FELLOWSHIP POSITIONS

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

**Philip Iannaccone, M.D., D.Phil.**  
Children's Memorial Institute for Education and Research  
Northwestern University Medical School  
and Children's Memorial Hospital  
2300 Children's Plaza, #204  
Chicago, IL 60613 U.S.A.  
Attention: Postdoc  
Telephone: 773-880-8266  
FAX: 773-880-8266  
E-mail: [akt23@northwestern.edu](mailto:akt23@northwestern.edu)

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

Texas A&M University at Galveston (TAMUG) seeks applications for two two-year POSTDOCTORAL FELLOWSHIPS from highly qualified candidates interested in any aspect of marine biology, oceanography, coastal engineering, or marine policy and management. For details, see website: <http://www.tamug.tamu.edu/postdoc> or Telephone: 409-740-4810. Equal Opportunity Employer/Affirmative Action.

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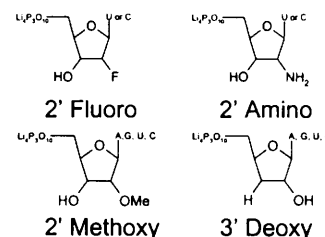
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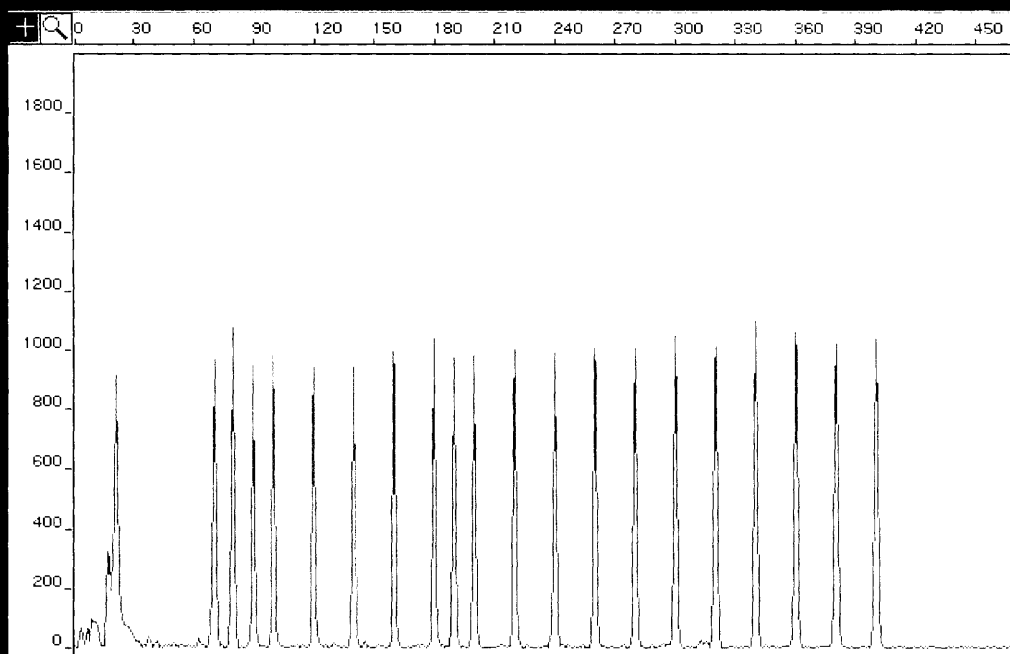
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