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## **MEETINGS/ANNOUNCEMENTS**

Kathleen Clark Tel: 202-326-6555 Richard Walters Tel: +44 (0) 1223 326 500

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#### POSITIONS OPEN

# TENURE-TRACK FACULTY POSITION PHARMACOLOGY/TOXICOLOGY

The Department of Anatomy, Physiological Sciences, and Radiology in the College of Veterinary Medicine at North Carolina State University invites applications for a tenure-track faculty position at the AS-SISTANT PROFESSOR level in pharmacology/ toxicology. Research areas of particular interest include signal transduction, carcinogenesis, and genetic susceptibility to environmental toxicants, although all areas of mechanistic toxicology research will be considered. Applicants using genomic approaches to study significant biological problems are particularly encouraged to apply. The successful applicant will join a growing Department (website: http://www.cvm.ncsu.edu/apr) and College currently focusing recruitment efforts in genomics. North Carolina State University's strengths include the Department of Environmental and Molecular Toxicology (website: http://www.cals.ncsu.edu/ toxicology), major research programs in genomics, a state-of-the-art genome research laboratory (website: http://www.cals.ncsu.edu/grl), Universitywide graduate programs in functional genomics and bioinformatics (website: http://genomics.ncsu.edu/), a multimillion dollar training grant for graduate education in genomic sciences from the National Science Foundation, and proximity to Research Triangle Park and the National Institute of Environmental Health Sciences (NIEHS). Applicants must have a Ph.D. and three years of postdoctoral research experience and are expected to establish an independent, extramurally funded research program. Sucessful applicants will also be expected to participate in graduate education and the veterinary toxicology curriculum.

Applicants should submit curriculum vitae and statement of interests and have three letters of reference sent to: Dr. Mark Papich, Department of Anatomy, Physiological Sciences, and Radiology, College of Veterinary Medicine, North Carolina State University, 4700 Hillsborough Street, Raleigh, NC 27606. E-mail: mark\_papich@ncsu.edu. Deadline for receipt of applications is November 15, 2001. North Carolina State University is an Equal Opportunity/Affirmative Action Employer. Individuals with disabilities desiring accommodations in the application process should contact: Mandy Driver; e-mail: mandy\_driver@ncsu.edu; Telephone: 919-513-6454; FAX: 919-513-6465; TTY: 919-515-9617

# TENURE-TRACK ASSISTANT PROFESSOR

The Department of Biology at Santa Clara University invites applications for a tenure-track Assistant Professor position starting September 2002. Ph.D. and postdoctoral experience required. We seek a dynamic teacher-scholar with a strong commitment to undergraduate education and a research program in physiology, neurobiology, endocrinology, or immunology. Teaching responsibilities include an introductory physiology course for majors, a lecture/laboratory course for nonmajors, and an upper-division lecture/laboratory course in the candidate's area(s) of expertise. The successful candidate will be expected to develop and maintain an active research program that includes undergraduates and participate in our Howard Hughes Medical Institute-funded Community of Science Scholars Program. For more information about our programs and faculty, see website:

http://www.scu.edu/biology.
Applicants should submit (1) curriculum vitae, (2) statement of current and future research interests, (3) statement of teaching experience and philosophy, and (4) three letters of recommendation to: Physiology Search Committee, Department of Biology, Santa Clara University, 500 El Camino Real, Santa Clara, CA 95053-0268. The deadline for application is October 15, 2001. Santa Clara University offers competitive compensation packages including housing subsidies for tenure-track faculty. Santa Clara University, a Jesuit institution, is an Equal Opportunity/Affirmative Action Employer and welcomes applications from women, persons of color, and members of other historically underrepresented U.S. ethnic groups.

# POSITIONS OPEN



# SENIOR RESEARCH ASSOCIATE

A research team in the area of signal processing in vertebrate photoreceptors invites applications for the position of Senior Associate. The successful candidate will work closely with the laboratory head to plan and perform experiments and to prepare reports. The laboratory currently uses a combination of eletrophysiology, optical imaging, and molecular biology to advance the understanding of calcium dynamics in photoreceptors. A highly competitive compensation package, opportunities for independent work, and a stimulating academic environment will be provided.

Send curriculum vitae, summary of work experience, statement of expectations, and names of three references to:

Peter R. MacLeish, Ph.D.
Head, Laboratory of Visual Processing
Neuroscience Institute
Morehouse School of Medicine
720 Westview Drive, S.W.
Atlanta, GA 30310-1495
E-mail: macleip@msm.edu

Deadline for submission: October 15, 2001.

Morehouse School of Medicine is an Equal Opportunity
Employer.

#### ASSISTANT PROFESSOR POSITION IN GENETICS Central Michigan University

The Department of Biology invites applications from broadly trained individuals for an Assistant Professor tenure-track position in plant, microbial, or animal genetics beginning either in August 2002 or earlier. Candidates are expected to have a Ph.D. in the biological sciences; excellent verbal and written communication skills; and to demonstrate a strong commitment to and potential for teaching, research, and external funding. Postdoctoral experience is preferred. Teaching responsibilities include genetics, instruction in the individual's area(s) of expertise at the undergraduate and M.S. level, and ability to contribute to the Department's introductory program. Submit a letter of application, curriculum vitae, copies of all transcripts, statement of teaching philosophy and statement of proposed research plans, and three letters of recommendation to: Genetics Search Committee, Department of Biology, Central Michigan University, Mt. Pleasant, MI 48859. Review of applications will begin October 1, 2001, and continue until position is filled. Departmental information is available at website: http://www.cst.cmich.edu/ units/bio. Serving more than 27,000 students, Central Michigan University is an innovative Doctoral/ research-intensive institution recognized for strong undergraduate education and a range of focused graduate programs and research. CMU, an Affirmative Action/Equal Opportunity Institution, is strongly and actively committed to increasing diversity within its community; see website: http://www.cmich.edu/aaeo/.

# FACULTY POSITION Department of Biochemistry Stanford University School of Medicine

Applications or nominations are invited for a faculty position in the Department of Biochemistry at the level of **ASSISTANT PROFESSOR**.

Applicants should have an established record of excellence in original research and teaching. Candidates should submit curriculum vitae including a list of publications; a description of their research interests; and names, addresses, and telephone numbers of three references to: Search Committee Chairman, Department of Biochemistry, Beckman Center, Stanford University School of Medicine, Stanford, CA 94305-5307.

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

# Influence, innovation, impact.

# Sandwich, Kent

The search for new medicines is a relentless activity at Pfizer. Our drug discovery pipeline is probably the most extensive in the industry, and all our therapeutic areas are experiencing unprecedented growth. This is particularly so within Urology, where we're looking to recruit experienced *in-vivo* and *in-vitro* scientists who are keen to take advantage of an environment in which an increased level of exploratory science is a prime objective.

The roles offer the chance to make a considerable impact on research activities across our portfolio of urological diseases, where you can expect your creativity and skills in experiment design and new model development to be fully applied. You may not necessarily have previous urology experience - in which case this is an excellent opportunity to gain valuable expertise in this high growth area.

# In-vitro Pharmacologists Senior Team Leader

Leading a team of *in-vitro* pharmacologists dedicated to the identification of novel approaches to the treatment of urological diseases and the initiation and running of drug discovery projects, you'll have a key role in providing clear direction to your team and contributing in an innovative manner to exploratory studies. It will be your brief to maintain expert pharmacology knowledge and to build liaisons with internal and external scientists in order to introduce state-of-the-art experimental techniques to the group. In addition, your line management responsibilities will mean both developing your team and contributing to the area on a strategic level.

Currently in an R&D environment with a pharmaceutical company, you'll probably be qualified to PhD level and your impressive scientific background will feature an in-depth knowledge of *in-vitro* pharmacological techniques and receptor pharmacology. While you don't need a background in Urology, knowledge of smooth muscle pharmacology and autonomic and sensory systems would be an advantage. It's essential that you have experience of managing a team and that you have well developed interpersonal and motivational skills. Ref: 1298/2001/S.

# **Team Leader**

Leading a small team of *in-vitro* pharmacologists, your work will involve designing and carrying out practical studies involving intracellular signalling, second messenger measurements and receptor pharmacology. You may be involved in running drug discovery projects and you would be expected to contribute to the search for new targets for urological diseases by contributing to our exploratory studies. Your efforts to strengthen our all round *in-vitro* pharmacological expertise in this area will bring you with an excellent environment to further your own knowledge and increase your responsibilities. Your scientific background will feature knowledge of a range of *in-vitro* pharmacological techniques and receptor pharmacology while your academic credentials should

include a BSc in Pharmacology, Physiology or a related discipline, plus a PhD or equivalent practical industrial research experience. The position carries some supervisory responsibility and good interpersonal and motivational skills are necessary. Coaching and supervisory experience would be an advantage. Your potential to take on greater responsibilities in the future may prove to be significant. **Ref: GO62/2001/S.** 

# *In-vivo* Pharmacologists/ Physiologists

# **Senior Team Leader**

Your team of scientists develops and runs *in-vivo* models of bladder, urethral and prostate function that are used to seek and provide confidence in rationale for new targets and to support drug discovery programmes. You'll provide leadership by directing and contributing to a range of work including expanding the existing portfolio through model development and championing collaborative initiatives with external academic groups. In addition, you'll drive standards through personal example and by maintaining a cutting-edge awareness of technical developments and scientific knowledge. You'll contribute to future strategy of the Urology therapeutic area and develop the careers of your team members.

Together with a first degree and ideally, a PhD, you'll have proven *in-vivo* pharmacological experience involving model development. You'll also have led a team, and it would be an advantage if you're currently working in a drug discovery environment. Urology knowledge would be a further bonus, but is by no means essential. **Ref: T269/2001/S.** 

# **Team Leader**

Working primarily on bladder, urethral and prostate functions, your success will come by engendering greater confidence in rationale as you look for new targets, validate existing targets and develop relevant *in-vivo* models. You'll be given the scope to collaborate with external organisations to expand our *in-vivo* portfolio, and every opportunity to work alongside scientists in other disciplines and therapeutic areas. This position carries some supervisory responsibility.

Together with a BSc in Pharmacology, Physiology or a related discipline, you'll need a PhD or equivalent practical industrial research experience. A strong scientific background in *in-vivo* model development is essential and excellent coaching, interpersonal and motivational skills are important. Your potential to take on greater responsibilities in the future may prove to be significant. **Ref: G034/2001/S.** 

To apply, please send your full CV, quoting the appropriate reference, to Helen Clark, Resourcing Adviser, Pfizer Global Research and Development (IPC 077), Ramsgate Road, Sandwich, Kent CT13 9NJ.

Closing date: 21st September 2001.

www.pfizer.co.uk/recruit







# Principal Analyst/ Scientist Core Technician

As Group Leader for the U.S. part of the DDC-IT group, you will provide the required IT solutions for DDC U.S. as part of the global DDC-IT organization, and build bridges between DDC staff, scientists and IT. The group leader will be expected to ensure full coordination and collaboration within the global DDC-IT group, as well as of the local DDC-IT operation. Responsibilities will include the design of system architecture, the elaboration of functional databases, and database and multi-tiered client/server application. Additionally, you will plan, coordinate, organize and execute the implementation and integration of new systems or system components at the global level, manage IT projects and ensure the close collaboration with staff and scientists in the Drug Discovery Center.

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

# Postdoctoral Fellow

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

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

# Postdoctoral Fellow

(High Throughput Gene Characterization)

The Postdoctoral Fellow will work with a team assembling an extensive human gene collection for high throughput analysis of gene function. Robotics and automation will be used to process public and proprietary cDNA expression vector collections and to use these in cell based assays to identify new regulators of disease processes and signal transduction pathways.

Qualifications include a Ph.D. in Molecular Biology or Biochemistry plus a strong background in genetics. The ideal candidate should possess strong communication skills and be able to work effectively as part of a team. **Requisition #9710AD.** 

# Postdoctoral Fellow

Our research center investigates aspects of carbohydrate metabolism in relation to type II Diabetes. The postholder will implement and apply the glucose clamp procedure in combination with 13C and 31P-MRS to explore muscle and hepatic glucose metabolism in animal models of insulin resistance. This project is best suited to someone with interest also in *in vivo* pharmacology. Basic facilities include a 3 Tesla/60 cm Bruker platform. Laboratory projects are aimed towards increasing utility of MR spectroscopy in regard to drug profiling.

Qualifications include a Ph.D. in a relevant area, a strong background in *in vivo* NMR spectroscopy and those with an interest in carbohydrate metabolism are encouraged to apply. **Requisition #9753AD.** 

# Postdoctoral Fellow

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

Qualifications include a recent Ph.D. in cell or molecular sciences. Experience in PCR, mammalian transfection, and intracellular signaling assays (e.g., camp, ion fluxes, or protein kinesis) is essential. Additional experience with immunocytochemistry or receptor pharmacology would be an advantage. **Requisition #9779AD.** 

# Sr. Scientist (Lab Head)

Incumbent will creatively utilize full range of molecular and cellular approaches and techniques to identify and exploit novel drug discovery targets for cancer therapeutics. Additionally, you will design, perform and interpret experiments and effectively supervise two to three direct reports.

Qualifications include a Ph.D. in Molecular Cellular Biology or Biochemistry with at least 2 years' of postdoctoral experience, preferably in molecular biology. Must be able to work in a multidisciplinary setting. **Requisition #10721AD**.

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

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

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

# **Scientist**

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

The candidate should have experience of histological techniques and should ideally have a working knowledge of joint morphology, though training will be given. It would also be advantageous to have a working knowledge of tissue culture, Western blotting and ELISA techniques. A B.S. degree in Biological Sciences and 2-3 years' job experience are necessary. The ability to work with small animals is necessary. **Requisition #10429AD**.

## Scientist

As a member of the X-ray crystalography group, candidate will be responsible for producing crystals of proteins and protein/drug complexes and will have the opportunity to become involved in all aspects of protein structure determination. Relevant biochemical skills include sub-cloning, expression, purification and characterization of recombinant proteins.

Qualifications include a B.S/M.S. degree in Chemistry, Biology, or Biochemistry with 3-5 years' of experience working with recombinant proteins. Experience in macromolecular crystallization is desirable. Good written and communications sills are required for effective drug discovery team participation. **Requisition #10735AD**.

# Scientist

Incumbent will work as a team member in the protein chemistry group and will be responsible for expressing proteins from recombinant sources, purifying and characterizing these proteins using modern biochemical techniques in support of biophysical and biochemical studies. Additionally, you will be responsible for large-scale expression of proteins in E-coli, Bacculovirus, and/or yeast and performing some basic molecular biology techniques such as sub-cloning.

Qualifications include a B.S./M.S. degree in Biochemistry, or related field, with 3-5 years' of industrial experience. Must have a demonstrated record in protein expression and purification from recombinant sources, as well as hands-on experience with modern biochromatography and bioanalytical equipment, such as FPLC, Bio-CAD, HPLC, CE and AAA. Experience with basic molecular biology techniques, such as sub-cloning and expression testing of recombinant molecules is highly desirable. **Requisition #10748AD**.

# **Scientist**

We are seeking a self-motivated researcher to conduct innovative research in the mechanisms of diabetes and CV diseases, as well as the characterization of drug interaction with known ion channels in native cells, cell lines and channel-expressing systems.

Successful candidate should have a M.S. degree with 5+ years' experience in the field of study relevant to physiology/pharmacology of ion channels and cardiovascular/endocrine biology. A good understanding and working skills of contemporary ion channel electrophysiological techniques, such as patch clamp recordings, basic familiarity with cloning of ion channels, computer-based data acquisition/processing presentation, and experience in small animal handling cannulation/surgery are required. **Requisition #10787AD**.

# Computer Biologist

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

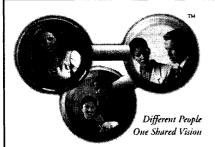
Qualifications include an excellent background in biology and fluency in the use of computational methods applied to biology using resources on both intra and internet. Must be able to translate theoretical concepts of experimentally oriented scientists. Academic education in natural sciences or related areas required, preferably with some understanding of metabolic and cardiovascular diseases. Experience with database annotation is an asset, while familiarity with programming languages, relational databases and statistical methods are a plus. Requisition #10365AD.

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

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

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





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At Wyeth, we work with purpose because our work has purpose: We work for lives. We have a long history of pioneering preventive and therapeutic pharmaceutical, vaccine, and nutritional product solutions. Our R&D accomplishments in women's health care, anti-inflammatory agents, central nervous system drugs, oncology/ immunology, infectious disease and more put us at the forefront of health care's most promising discoveries. With a product pipeline ranked among the industry's best, the future is exhilarating.

# Scientist

- Work with a senior scientist to do binding studies on small molecule lead compounds against target proteins Biophysical experimentation including fluorescence and absorbance spectroscopy, HPLC, light scattering and other techniques
- BS in Chemistry or Biochemistry with 2 years experience or an MS
- Good background in mathematics and computer skills
- · Experience with proteins is highly desirable

The collective skills of 40,000 of the world's top talent keep us on the cutting edge. We care for our people by offering rich avenues for advancement, challenging opportunities, generous compensation, stock options, childcare subsidies, education assistance, flexible schedules and other great benefits. For consideration, please forward your resume and salary requirements to: Wyeth Pharmaceuticals, Attn: S. Avery, 401 N. Middletown Road, Pearl River, NY 10965. Fax: 845-602-5375. E-mail: averys@war.wyeth.com No phone calls. Principals only. Equal Opportunity Employer M/F/D/V





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# "Genomics and Molecular Imaging ... The future of Diagnostic Imaging ... The future of Medicine"

General Electric Corporate Research and Development Center (GE CRD) is one of the world's first and most diversified industrial R&D laboratories. We work closely with all GE businesses to harvest innovation and to provide leading edge technology for new products and services. GE CRD and GE Medical Systems, a world leader in diagnostic imaging, are developing a state of the art research program in functional genomics and proteomics, and their applications in cellular and molecular medicine.

To realize this vision, we are building a world-class research team and invite you to join us.

You must have an MD or a Ph.D. in biochemistry, pharmacology, molecular biology or equivalent and one or more of the following:

- Experience and research interest in the development of molecular probes (targeted diagnostic pharmaceutical
- agents) for molecular imaging applications

   Experience at a pharmaceutical firm in drug discovery, development, and trials

   Background and interest in cellular engineering and gene therapy
- Experience and interest in in vitro biomarker discovery, tissue and serum assays, and microarray technology Research interest and background in the genetics, etiology, and pathophysiology of neurodegenerative, cardiovascular, and neoplastic disease
- Working knowledge of animal models in Alzheimer's disease, atherosclerosis, or cancer
- Experience and interest in molecular imaging technologies such as MRI/MRS, PET, Ultrasound, optical,

You must be a strong team player, possess strong analytical and communication skills, and have a passion for developing leading edge technology to improve healthcare. Job Code CRD/258937/AN000

Please send us your resume if you would like to be considered for one of the several openings in our Genomics and Molecular Imaging Laboratory. Your workplace will be either in Niskayuna, NY, or at one of the world's leading academic clinical research centers.

What we offer: At GE CRD, you'll enjoy the rewards of a competitive salary, an outstanding benefits package and the professional advantages of an environment that supports your development and recognizes

How to apply: For confidential consideration, please send an e-mail with the text of your resume to: opportunities@gecareers.com Please reference Job Code (located at the end of the job description) in the population of your e-mail. You may also mail your resume to our processing center at: GE Resume Processing, 37 Whitcomb St., Waltham, MA 02453. An equal opportunity employer.



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

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

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

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

# ASSISTANT/ASSOCIATE PROFESSORS

The DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY at the UNIVERSITY OF THE SCIENCES IN PHILADELPHIA (USP) anticipates openings for two (2) tenure-track, ASSISTANT/ASSOCIATE PROFESSORS in FALL 2002; one in Organic Chemistry, and a second in any area of chemistry. Candidates with teaching and research interests that will augment current research interests that will augment current efforts in drug discovery and/or biotechnology are particularly encouraged to apply. The successful candidate will be expected to demonstrate excellence in teaching at both the undergraduate and graduate (MS and Ph.D.) levels, and develop an active, externally fundable research program. Candidates should have a Ph.D., and postdoctoral experience is preferred. A policiants should submit a snould have a Ph.D., and postdoctoral expenence is preferred. Applicants should submit a CV, an indication of teaching interests, a research plan, equipment needs, copies of transcripts, and contact information for three references to: Faculty Search, Department of Chemistry & Biochemistry, University of the Sciences in Philadelphia, 600 S. 43rd St., Philadelphia, PA 19104

Evaluation of applications will begin October 15, 2001 and continue until the positions are filled. USP, originally founded in 1821, is a unique health sciences university of~2,000 students, with programs in the natural sciences, pharmacy, and other health related. students, with programs in the natural sciences, pharmacy, and other health related areas. The Department offers undergraduate programs in Chemistry, Biochemistry, and Pharmaceutical Chemistry with-50 majors, as well as graduate programs at the MS and Ph.D. levels in Chemistry, Biochemistry and Pharmacognosy (Natural Product Chemistry) with-20 students. Consult our Web site at http://www.neip.odu/chemistry/ http://www.usip.edu/chemistry for additional information.

UNIVERSITY OF THE SCIENCES IN PHILADELPHIA An Equal Opportunity/Affirmative Action Employer

# Roche Diagnostics

# Molecular Bioanalytics Award € 50,000

As your partner for pioneering solutions...
...we honour the most innovative
scientific work in Molecular Bioanalytics

Roche Diagnostics invites the scientific community to enter submissions for the Molecular Bioanalytics Award 2002, for outstanding work in the field of molecular bioanalytics in diagnosis and therapy.

This award, first instituted in 1970, is to recognize and honour innovative scientific methods and knowledge in the field of biochemical analysis. Former award winners include scientists Kary Mullis, Georges Köhler, César Milstein, and Frederick Sanger.

Roche Diagnostics is sponsoring this award, worth € 50,000, in our efforts to further support pioneering solutions in life science research and application.

The award will be presented at the Analytica Conference in Munich, April 2002. Deadline for applications is October 1st, 2001.

For further details, please contact:

Gesellschaft für Biochemie und Molekularbiologie e.V.

c/o Dr. Maxton-Küchenmeister

Kennedyallee 70 · 60596 Frankfurt · Germany

Phone +49 69 6303-396 • Fax +49 69 6303-397

E-mail maxton@gbm-online.de

Roche Diagnostics – We Innovate Healthcare



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# Accelerating Discovery, Accelerating Careers

Dyax Corp. is a biopharmaceutical company that has developed and **palented** phage display technology with applications in the discovery and development of a broad range of compounds for the treatment and diagnosis of diseases and for the purification manufacture of biobharmaceuticals and other chemicals.

At Dyax, we value the total employee experience. We encourage initiative and we provide the support and necessary resources for you to achieve both personal and professional success.

# **Director, Automation**

We are seeking a proven leader to contribute vision and innovation in order to facilitate automated solutions for our company-wide research goals. This will be achieved by evaluating and implementing high throughput homogeneous and heterogeneous assay formats to support Dyax's therapeutic pipeline. You will also be converting manual assays into robust HT formats. A state of the art knowledge and expertise on a variety of robotic platforms and workstations is required. A Ph.D with at least 5 years in a HT assay environment and at least 1 year leading an automation team overseeing cell-based HT assays for development of therapeutics is required.

# New Technology Research & Development (Associate & Sr. Scientist Positions)

This position will be responsible for proposing new approaches to improve the company's display and capture of diversity technologies, introducing and developing new display technologies as well as the development of high throughput cloning and protein expression systems. The successful candidate will be looked upon as an internal consultation expert. A Ph.D in Molecular Biology, Biochemistry or Microbiology and 3 - 5 years of relevant experience required. Knowledge of yeast systems a plus. BS/MS for Associate level position.

# Associate Scientist, Peptide Chemistry

The successful candidate will assist Dyax's peptide team in the design and production of synthetic peptides from sequences discovered using phage display. These peptides will address a variety of product applications, including therapeutics and diagnostics. A BS or MS in chemistry with at least two years of laboratory research experience is required. Experience with peptide synthesis, HPLC, mass spectrometry, UV spectroscopy, and other analytical chemistry techniques is desirable.

# Scientist, Molecular Biology/ Phage Display

As part of our molecular biology group, you will assist in the design and implementation of novel screens to identify peptides, proteins, and human monoclonal antibodies for our internal discovery programs. Working knowledge of PCR. DNA sequencing, cloning, ELISA development, and library screening is required. Experience in phage display or cDNA library construction, protein expression, purification, and characterization is a strong plus. Requires a BS/MS with 2+ years molecular biology with PCR and ELISA experience.

# Senior Scientist, Molecular Biology/Phage Display

As part of our molecular biology group, you will design and implement novel screens to identify peptides, proteins, and human monoclonal antibodies for our internal discovery programs. Experience designing, constructing and screening phage display or cDNA libraries is required. Working knowledge of PCR, DNA sequencing, cloning, and ELISA development is required. Knowledge of immunology or cancer biology is a plus. Position involves extensive hands-on lab work, supervisory and program management responsibilities. Requires a Ph.D. with 2+ years industrial experience.

# Associate Scientist, Cell Culture

You will be responsible for developing cell culture systems, cell-based assays as well as heterologous protein expression systems. Additionally, you will carry out analytical cell-based activity assays, phage library selections and phage isolate binding assays. The successful candidate will have extensive experience with cell-based assays, thrive in a team atmosphere, have the ability to multi-task and possess superior organizational skills. A B5/MS in cell biology, molecular biology or biochemistry with at least 3 years of relevant experience required.

# Associate Scientist, Flow Cytometry Specialist

You will be responsible for establishing and maintaining a flow cytometry facility. Special consideration will be given to candidates with experience in the application of flow cytometry in phage display or other biological display systems. Requirements for this position include a BS in molecular biology or biochemistry with industry experience (2+ years), or a MS in molecular biology or biochemistry.

If you are interested in any of the above positions, please send a resume and cover letter to employment@dyax.com

www.dyax.com

# **Tenure Track Nursing Faculty**

The School of Nursing at the University of California, Los Angeles, invites applications for a tenure track, faculty position in the area of biobehavioral science and measurement.

The person in this position must be a doctorally prepared nurse scientist with expertise in biobehavioral science and measurement. In addition, this person should have a beginning, fundable program of research that applies biobehavioral science to a specific area of investigation relevant to nursing practice. Specific areas of research that would be congruent with current interest of School of Nursing faculty include immunity, genetics, molecular biology, biological markers, and functional fitness. The School of Nursing has a special emphasis in vulnerable populations research and cardiovascular nursing research and an interest in developing and testing nursing interven-

Expectations for a successful candidate:

- A masters degree in nursing, preferably as an advanced practice nurse and doctoral degree.
- A beginning, fundable program of research.
- Experience and/or ability to teach physiology and pathophysiology at the baccalaureate and graduate levels and teach in the bioscience subspecialty of the doctoral program.
- Experience and/or ability to teach advanced methodology and measurement.

Rank and salary will be commensurate with education and experience.

UCLA is located in Westwood Village, one of the most diverse, exciting, and beautiful urban areas in Los Angeles. UCLA is ranked as one of the top public universities in the United States and offers one of the widest selections of study areas among major universities in the nation. The health science schools, UCLA Medical Center, and other professional schools including the College of Letters and Science are all located on 419 wooded acres. The School of Nursing currently offers a PhD program, an MSN program and a RN-BS-MSN program. A doctoral program in nursing science and physiology is being developed. The School of Nursing is continuing to excel and grow in a rich professional environment.

Applications will be accepted until December 31, 2001. Send letter of application and curriculum vitae to:

Marie J. Cowan, PhD, RN, FAAN
Dean and Professor
UCLA School of Nursing
Box 951702
Los Angeles, CA 90095-1702

The UCLA School of Nursing is an Equal Opportunity Employer.

# THE J. DAVID GLADSTONE INSTITUTES

# GLADSTONE DISTINGUISHED SCIENTIST SABBATICAL PROGRAM

The Gladstone Institutes, which are closely affiliated with UCSF, are dedicated to the advancement of the biomedical sciences pertinent to the fields of cardiovascular diseases, neurological diseases, and virological and immunological disorders, especially those related to HIV infection. The Institutes have established a sabbatical program for distinguished scientists who are prepared to spend 6 to 12 months in association with its laboratories in San Francisco for the following purposes: to participate in the scientific activities in one or more of the Institutes; to assist the Institutes in planning for the advancement of women and scientists from under represented minorities in all phases of scientific professionalism, to assist in mentoring women and other scientists who are currently members of the Gladstone Institutes. Resources will be available to assist with housing costs in San Francisco and with other expenses related to the sabbatical period.

Inquiries and applications should be directed to:

The J. David Gladstone Institutes Robert W. Mahley, President P.O. Box 419100 San Francisco, California 94141-9100

The J. David Gladstone Institutes are an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply. M/F/D/V







# Faculty Positions in the Biology of Infectious Disease

The Department of Microbiology and Immunology, College of Veterinary Medicine at Cornell University seeks to hire two tenure-track faculty members at the Assistant, Associate, or Full Professor level specializing in molecular biology of infectious diseases and engaged in active research into the immunology of infectious disease.

# **Molecular Biology of Infectious Agents**

Scientists who employ genomic approaches to the identification and characterization of genes that define host tropism and disease would be particularly suited to this position. Candidates with research programs relevant to avian health are of greatest interest to the selection committee.

# **Immunology of Infectious Disease**

Scientists studying the mechanisms of innate or acquired immune resistance to infectious agents are encouraged to apply. Although desirable, the search is not limited to pathogenic agents of veterinary importance so investigators working on model systems are also of interest to the Department.

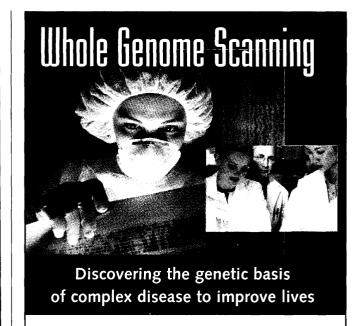
These positions reflect the College's increased commitment to the field of microbial pathogenesis. Teaching responsibilities will be both at the professional and graduate student levels. A PhD with postdoctoral experience is a requisite; applicants who hold a DVM or equivalent degree are especially encouraged to apply. Position level and salary is commensurate with qualifications. Applicants should provide Curriculum Vitae, list of publications, as well as statement of research accomplishments and future research interests to:

Cornell

David G. Russell
Chair, Department of
Microbiology and Immunology
College of Veterinary Medicine
Cornell University
Ithaca, NY 14853

Cornell University is an Equal Opportunity Educator/Employer

http://www.tc.cornell.edu http://chronicle.com/jobs/profiles/2377.htm



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

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

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

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

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





When curiosity is developed to its full potential, great discoveries are made. At Pharmacia Corporation, we invest more than \$2 billion a year in R&D with major activities focused in the areas of arthritis/inflammation, cancer, infectious diseases, cardiovascular and metabolic diseases, and disorders of the central nervous system. An exciting opportunity now exists for an innovative, forward-thinking professional to join our highly collaborative team based in **St. Louis, Missouri**.

## CARDIOVASCULAR ASSOCIATE DIRECTOR

As the Genomics liaison for the Cardiovascular and Metabolic Disease Pharmacology teams in St. Louis, MO and Skokie, IL, this individual will determine and execute the goals and milestones for the teams in relation to current and projected project needs, while facilitating the process by which new drug discovery targets are discovered jointly among the Genomics, Biotechnology, and CMD teams. You'll be expected to work at or close to the bench, acting as an interactive force in driving the day-to-day science. As valued members of the St. Louis Genomics community and the Global Genomics Leadership Team, you'll drive the integration of molecular science (to include tools and technologies) into a productive matrix with the pharmacology teams at Pharmacia. This integration is key to our leadership and competitiveness in the industry and is an integral performance factor for the success of this individual, the project teams and the company. We are seeking a proven scientist as evidenced by a substantial number of publications in high-quality, peer-reviewed journals, with fluency in genomics and genetics methodologies and their application to target identification and validation in the discovery research environment. Leadership qualities include good interpersonal skills with team members, peers and senior management, and a strong drive to actively contribute to science and solve problems. Demonstrated expertise in multiple fields of inflammatory disorders or therapies is essential. Req. #01-2526

We offer generous compensation and benefits, performance rewards, and entrepreneurial opportunities for personal and career development. To apply, please visit our website. You may search by keyword or Req. #. When responding, please indicate in your cover the position and location of your interest, referencing "C&E News". Or you may fax your resume to the Pharmacia Resume Processing Center, noting the information above along with the appropriate Req. #, at **520-287-0963**. As an EEO/AA employer, Pharmacia Corporation values a diverse combination of ideas, perspectives, and cultures.

# **PHARMACIA**

# VIRGINIA TECH

# **BIOTECHNOLOGY OUTREACH**



The Fralin Biotechnology Center at Virginia Tech is seeking a coordinator for an established educational outreach program. The successful candidate should have an advanced degree in a biological science with a good working knowledge of molecular biology. Excellent communication, organizational, and computer skills are required. Salary will be commensurate with experience.

Responsibilities will be to develop and conduct biotechnology workshops across Virginia, pursue outside funding for the program, network with biotechnology educators, assist with the equipment loan program, edit a quarterly newsletter, develop industry outreach program, and other duties as required. See the Fralin web site www.biotech.vt.edu for more information about the Fralin Biotechnology Center and outreach program.

Qualified applicants should send a complete curriculum vita, and names and addresses of three references by October 15 (or until position is filled) to the attention of:

Ms. Judy Coleman Fralin Biotechnology Center Virginia Tech (0346) Blacksburg, Virginia 24061 phone: 540 231-6934 fax: 540 231-7126

email: biotech@vt.edu.

Virginia Tech is an Equal Opportunity Employer.

# nature

the international weekly journal of science seeks to appoint

# A Biology Editor

to join a team dedicated to publishing the world's best original research in the biological sciences. The successful candidate will play a key role in determining how biological sciences are represented - through the selection and preparation of manuscripts for publication and by acting as *Nature*'s interface with the scientific research communities. This is a demanding and intellectually stimulating position, and calls for a keen interest in the practice and communication of science.

The ideal candidate will have a strong track record of research in the fields of genetics and genomics, but highly qualified candidates from other areas of the biological sciences are also encouraged to apply. Applicants should hold or expect shortly to receive a PhD or equivalent degree.

The job can be based in either *Nature*'s modern London offices or our Washington DC office and will involve international travel to meetings and laboratories.

Applicants should send a CV (including their class of degree and a brief account of their research and other relevant experience), a concise discussion of which recent scientific developments they have found particularly exciting (stating why) and a brief covering letter. Mark the application "Biology editor", and send it to the Editor, Nature, Porters South, 46 Crinan Street, London, N1 9XW (fax +44 207 843 4596; email p.boyle@nature.com) as soon as possible and no later than Friday 14th September.

# University of Maryland Faculty Positions

As part of a continuing major expansion in the Biological Sciences at the University of Maryland at College Park, the Department of Cell Biology and Molecular Genetics invites applications for several faculty positions. The rank of these appointments is open, and senior candidates are expected to have achieved international stature. Salary and start-up packages are competitive and commensurate with experience. The successful applicant will be expected to direct an innovative and competitively funded research program that will complement one of the existing areas of research strength in the Department. These areas include:

- · Immunology and host defense
- · Microbiology and microbial pathogenesis
- Virology and viral pathogenesis
- · Cell and developmental biology
- · Genetics and genomics

The successful applicant will join a dynamic and highly interactive faculty with ample opportunities for collaborations within the Department, as well as with the NIH, USDA, FDA, and the University of Maryland Biotechnology Institute. The Department has an active graduate program and all faculty members participate in the instructional program at both the graduate and undergraduate levels. Additional information about the Department can be found at our web site: http://www.life.umd.edu/CBMG. The University of Maryland at College Park is the flagship campus of the University of Maryland System. It is located in the heart of the Baltimore-Washington research corridor, just 15 minutes from downtown Washington, D.C. Applications should be received by October 15, 2001 to receive full consideration but the search will continue until all positions are filled. Materials, including a letter of application, curriculum vitae, statement of research interest, and the names and addresses of 4 references should be directed to:

David M. Mosser, Ph.D.
Chair, Faculty Search Committee
Department of Cell Biology and Molecular Genetics
University of Maryland
College Park, MD 20742

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

# Postdoctoral Positions in DNA Repair Research at Lawrence Livermore National Laboratory

Several positions for basic mechanistic studies exist in the Biology & Biotechnology Research Program (BBRP) for recent PhDs (less than 5 years) in biochemistry, molecular biology/genetics, or related fields.

To determine the biological function of XRCC2 and related DNA repair proteins; define biochemical activities, interacting proteins, and XRCC2's role in vertebrate homologous recombinational repair. Experience in protein biochemistry, expression, and purification is advantageous. Reply to Nan Liu at **liu3@llnl.gov**.

To construct and characterize knockout mutants in DNA repair pathways, including homologous recombinational repair, in CHO hamster cells; to study the role of the Fanconi anemia group G gene in maintaining chromosome stability by using genetic and biochemical approaches; to obtain the structure of recombinational repair proteins. Background in DNA repair preferred. Reply to Larry Thompson at thompson14@llnl.gov.

For each position, reference **Dept. AJSC8V1BS**. LLNL offers a challenging environment and competitive salary and benefits. We are located in the scenic Livermore Valley and have interactions with DNA repair researchers at UC Berkeley, UC San Francisco, UC Davis, and Stanford University. LLNL is an equal opportunity employer with a commitment to workforce diversity.





The University of St. Gallen – Graduate School of Business, Economics, Law and Social Sciences - together with the EAWAG (Swiss Federal Institute for Environmental Science and Technology, a research institute specializing in basic and applied science with water as central focus) invite applications for a position of a

# **Professor in Environmental and Resource Economics**

The successful candidate must be interested in socio-economic aspects of water use (integrated water management, organization and regulation of water supply and urban drainage, technical change in the water sector, incentives for sustainable water use, etc.), be an internationally renowned scholar with an excellent academic track record, and be trained — through education or experience — in at least two fields like: Public Economics, Natural Resource Economics, Industrial Organization, Urban and Regional Economics.

He or she must be communicative, a team player, determined to build up and guide a high caliber multidisciplinary social science group and successfully link it up with large-scale interdisciplinary EAWAG projects while promoting strong scientists within the team. The new division, located at EAWAG, will comprise in its final size four tenured senior scientists and an additional number of more junior scientists. More information on this position can be found at www.eawag.ch/socio-economics.

Applications should be addressed not later than October 10, 2001 to Professor Dr. Peter Gomez, President of the University of St. Gallen, Dufourstr. 50, CH-9000 St. Gallen.



Grundlagen für morgen

The are one of the 16 national research centres the Helmholtz Foundation of German Research Centres. It is our task to open up strategic fields for the future in the fields of materials research, membrane technology and environmental research.

The newly founded Institute for Coastal Research in the area of "Physical and Chemical Analysis" at the GKSS-Research Centre Geesthacht near Hamburg in Germany is seeking applicants for a temporary (5 years) position as

# Postdoctoral Scientist

- IfK 3 -

The task of the scientist appointed will be establish a new, project-oriented competency "Marine Materials-Active Substances and Natural Resources" in the thematic area "Environmentally- Relevant Materials in the Coastal Region" within the framework of the GKSS's focussed research programme "Water and Climate in the Coastal Environment".

Candidates for this task should have a scientific education to PhD level and excellent knowledge and abilities in the field of Analytical Chemistry. The new research group will take an interdisciplinary approach to (i) developing novel methods of bio-directed chemical analysis for the identification of active substances and natural resource materials and (ii) developing and establishing techniques with which they can be separated, purified and characterized.

The successful candidate should have the ability to introduce his/her own research concept and be able to demonstrate previous success in acquiring external funding. Work experience abroad and international contacts are equally important selection criteria. The new Group Leader will be expected to take up teaching responsibilities at one of the neighbouring universities and achieve the "Habilitation" qualification.

We offer an appropriate salary, related to BAT as well as the usual public sector social benefits.

In order to increase the number of female employees we ask interested and qualified women to apply for

Handicapped persons with equal qualifications will be preferred.

Please send your application (with reference to codeno. If (3) including CV and references to the Personnel Department of the GKSS Research Centre. The closing date for applications is two weeks after publication of this advertisement.

GKSS-FORSCHUNGSZENTRUM **GEESTHACHT GMBH** MAX-PLANCK-STRASSE

21502 GEESTHACHT

# **FACULTY POSITIONS DEPARTMENT OF BIOLOGICAL SCIENCES UNIVERSITY OF PITTSBURGH**

As part of our continuing expansion, the Department of Biological Sciences at the University of Pittsburgh invites applications for full-time, tenure-track positions in the following areas:

Cell Biology Gene Expression **Developmental Biology Ecology and Evolution** 

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

> Search Committee Department of Biological Sciences University of Pittsburgh Pittsburgh, PA 15260 (412) 624-4266

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

# nature Structural biology

## seeks an ASSISTANT EDITOR

Nature Structural Biology is a prestigious international monthly journal covering all aspects of research pertaining to biomolecular form and function. We have an exciting opportunity available for a scientist eager to enter the editorial world. Nature Structural Biology needs an Assistant Editor to help develop the journal. The successful candidate will work full time in our New York City office and participate in all aspects of the editorial process, including manuscript selection and editing, commissioning and editing News & Views and Reviews, and writing for the journal. The job also involves attending scientific meetings and forging links with the international scientific community. The new editor will join our small team of editors within the larger publishing group that also produces Nature Genetics, Nature Medicine, Nature Biotechnology, Nature Neuroscience and Nature Immunology. The successful applicant will also enjoy a close working relationship with the London-based Nature, Nature Cell Biology, and Nature

Applicants should have an intense curiosity about science and a broad understanding of the field, and should have a Ph.D. and preferably post-doctoral experience with a strong research background in molecular biology, biochemistry or structural biology. The ideal candidate will also have excellent literary skills and an enthusiasm for, and commitment to, the communication of science.

Please submit a curriculum vitae, a short (500-1000 words) News and Views-style article on an exciting and newsworthy recent development in a relevant scientific area, and a cover letter explaining your interest in the position to The Editor, Nature Structural Biology, 345 Park Avenue South, New York, NY 10010 (fax: 212-679-0735; e-mail: nsb@natureny.com). Applications should arrive as soon as possible, and no later than September 28, 2001.

# TENURE TRACK FACULTY POSITIONS IN BIOCHEMISTRY

Applications are invited for two tenure-track faculty positions in the Department of Biochemistry at the rank of assistant professor. We are interested in individuals using creative and innovative biochemical approaches to study model eukaryotic systems. Researchers in areas that complement existing department strengths, including regulation of gene expression, protein structure and function and signal transduction, are particularly encouraged to apply. At least one position will be evaluated on the basis of research relevance to functional genomics and proteomics. Purdue is building a strong faculty in genomic and post-genomic biology through the Purdue Genomics Initiative which has committed more than twelve positions to this research area. We anticipate that at least five new faculty positions in the Department of Biochemistry will be filled over the next five years.

Successful candidates are expected to develop a vigorous, extramurally-funded research program and have a commitment to teaching excellence. Our faculty members also are part of a large and vibrant community of life science researchers at Purdue and participate in interdisciplinary graduate training programs in biochemistry and molecular biology, biophysics, genetics, plant biology, and neuroscience. Support facilities for DNA and peptide synthesis and sequence analysis, mass spectroscopy, NMR, X-ray crystallography, image analysis, computation, and transgenic animal work are available. For more information about our department, see www.biochem.purdue.edu. Applicants should have a Ph.D., at least two years of post-doctoral experience or its equivalent, and a strong publication record. To apply, send a curriculum vitae, the names and addresses of three individuals who can supply letters of reference, and a two page summary of research interests to:

Biochemistry Search Committee Department of Biochemistry Purdue University West Lafayette, IN 47907-1153, USA.

Electronic applications are welcome and may be sent to: biochem-search@purdue.edu, with a follow-up hard copy sent to the above address. Screening of applicants will begin September 10, 2001 and continue until the positions are filled. Dual career couples are encouraged to apply.

PURDUE UNIVERSITY IS AN AFFIRMATIVE ACTION/ EQUAL OPPORTUNITY EMPLOYER.

# TENURE TRACK FACULTY POSITIONS IN CANCER BIOCHEMISTRY

The Department of Biochemistry, together with the Purdue Cancer Center and the Walther Cancer Institute, is recruiting an individual at the assistant professor level to join the dynamic, campus-wide cancer research program at Purdue University. We are interested in individuals with outstanding records of research accomplishment who apply molecular approaches to the study of cancer. Priority will be given to individuals whose research areas complement existing department strengths, including the regulation of gene expression, protein structure and function and signal transduction. We anticipate that at least five new Biochemistry faculty positions will be filled over the next five years.

Successful candidates are expected to develop a vigorous, extramurallyfunded research program, participate in one of three program areas within our NCI-designated Cancer Center and have a commitment to teaching excellence. Our faculty members are part of a large and vibrant community of life science researchers at Purdue and participate in interdisciplinary graduate training programs in biochemistry and molecular biology, biophysics, genetics, plant biology, and neuroscience. Support facilities for genomic analysis, DNA and peptide synthesis and sequence analysis, mass spectroscopy, NMR, X-ray crystallography, image analysis, computation, and transgenic animal work are available. For more information about our department, the Purdue Cancer Center and the Walther Cancer Institute, see www.biochem.purdue.edu, www.cancer.purdue.edu, www.walther.org Applicants should have a Ph.D., at least two years of post-doctoral experience or its equivalent, and a strong publication record. To apply send a curriculum vitae, the names and addresses of three references and a two page summary of research interests to:

> Walther Search Committee Department of Biochemistry Purdue University West Lafayette, IN 47907-1153, USA.

Electronic applications are welcome and may be sent to: biochem-cancersearch@purdue.edu, with a follow-up hard-copy to the above address. Screening of applicants will begin September 10, 2001 and continue until the positions are filled. Dual career couples are encouraged to apply. PURDUE UNIVERSITY IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER.



# **Biology Research Scientists/Director**

Telik, Inc. is a publicly traded biopharmaceutical company working to discover, develop and commercialize small molecule drugs to treat serious diseases for which there is significant demand for new therapies. The company has developed an exciting and diverse portfolio of discovery programs presently focused on oncology, inflammation and diabetes, and is now conducting phase II clinical trials with an innovative new treatment for cancer. Due to the success of these programs, Telik is now expanding its activities and is seeking highly motivated, experienced biologists to join a dynamic and successful team. Applications are invited for the following key positions:

Director-Biology: Reporting to the VP of Biology, be responsible for leading a team of biologists in the area of oncology or inflammation. You should have 7+ years industrial research experience in one of these areas. Ideally, you'll also have experience in signal transduction, target validation and/or assay development. Must be a team player with an excellent publication record.

**Director-Animal Pharmacology:** Reporting to the VP of Biology, be responsible for building and leading a team of up to 6 biologists developing and validating new, as well as established, animal models of disease. Current emphasis is on models of cancer, inflammation and diabetes, but ability to conduct a variety of in vivo studies in support of pre-clinical drug development is essential. You should have 7+ years experience; oncology, inflammation and diabetes are preferred, but not essential.

Senior Scientist-Biology: You should have 4+ years industrial experience in one of Telik's core areas - oncology, inflammation or diabetes. You will need experience in moving targets forward for compound screening but also in the development of secondary and tertiary assays for further compound evaluation. Experience in signal transduction and pathway elucidation is highly sought.

Scientist-Biology: You should have 2+ years industrial experience in signal transduction, target validation and/or drug discovery assay development. Experience in a broad range of molecular and cellular techniques is essential. Recent publications in the fields of oncology and inflammation are desirable.

Telik offers an attractive compensation package, along with a challenging and rewarding work environment. Please mail your resume to Telik, Inc., attn: HR, 750 Gateway Blvd., So. San Francisco, CA 94080, fax to 650-244-9240, or e-mail to inquiry@telik.com. Visit our web site at www.telik.com for more information. EOE.

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

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

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

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

# ASSISTANT PROFESSOR OF BIOLOGY Amherst College

The Biology Department of Amherst College invites applications for a tenure-track position at the Assistant Professor level for an Organismal Biologist in the field of evolutionary biology. Development of a funded research program with student participation and with a strong field and/or laboratory component is expected. Teaching duties include an upper-level evolution course; participation in a team-taught, introductory organismal course with laboratory; and a course in the candidate's specialty. Ph.D. is required and postdoctoral experience is preferred. Send curriculum vitae and a statement of research and teaching interests to: Evolutionary Biology Search Committee, Department of Biology, Amherst College, Amherst, MA 01002-5000. Have three letters of recommendation sent separately. Review of applications will begin on October 15, 2001, and continue until the position has been filled. Further information on the Department can be found at website: http:// www.amherst.edu/~biology.

Amherst College is a private, undergraduate liberal arts college for men and women with 1,600 students and 165 faculty. Located in the Connecticut River Valley of western Massachusetts, Amherst participates with Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts in the Five-College Consortium. Amherst College is an Equal Opportunity/Affirmative Action Employer and encourages women, minorities, and persons with disabilities to apply.

#### RESEARCH ASSISTANT PROFESSOR/ POSTDOCTORAL POSITIONS

Positions available to investigate regulatory mechanisms controlling germ cell differentiation. Projects include RNA-protein interactions that control translation and mRNA localization, gene targeting of testicular proteins as models for infertility, chromatin remodeling, and DNA microarray applications. Preference will be given to candidates with expertise in molecular biology. Send résumé and names of three references to: Norman B. Hecht, Center for Research on Reproduction and Women's Health, 1310 BRB II, 421 Curie Boulevard, University of Pennsylvania, Philadelphia, PA 19104-6142.

# POSITIONS OPEN

#### ASSISTANT/ASSOCIATE CURATOR Missouri Botantical Garden

Missouri Botanical Garden, a world leader in discovering and sharing knowledge about plants and their environment, seeks an individual to work in collaboration with Washington University in St. Louis to initiate a modern taxonomic treatment of Manihot (Euphorbiaceae) using morphological, anatomical, and molecular characters to assess evolutionary pathways and to define sections within the genus for later detailed revision. Evolution and domestication of Manihot esculenta will be of particular interest, including ethnobotany and the role of human-mediated evolution. Qualifications include a Ph.D. in botany along with experience in field collection and morphological and molecular analyses. Position will be filled at AS-SISTANT level with individuals who have up to seven years of experience and at the ASSOCIATE level for those with more than seven years of experience. Requires familiarity with herbarium routines and botanical literature, ability to obtain funding, exceptional written communication skills, and strong computer skills. Candidates should have an established publication record. Portuguese and/or Spanish language skills desired. We offer a comprehensive benefits package including medical, dental, and life insurance and retirement and 403(b) with generous match. Submit résumé along with names and addresses of three references to: Missouri Botanical Garden, Human Resource Management, Attention: Manihot, P. O. Box 299, St. Louis, MO 63166. E-mail: jobs@mobot.org. Position is open until filled. Review of résumés begins immediately. Equal Opportunity Employer.

#### ASSISTANT PROFESSOR BIOINFORMATICS Wesleyan University

The Department of Molecular Biology and Biochemistry invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. Candidates should have a Ph.D. and postdoctoral experience. Researchers using state-of-the-art bioinformatics approaches in an experimental life sciences system are sought. A vigorous research program supported by extramural funds and excellence in undergraduate and graduate teaching are expected. The new hire will contribute to a cross-disciplinary initiative in integrative genomic sciences supported by grants from the W. M. Keck Foundation, Howard Hughes Medical Institute, and the university. Please send curriculum vitae; description of research program; and have three letters of reference forwarded by November 1, 2001, to: Bioinformatics Search Committe, Department of Molecular Biology and Biochemistry, Wesleyan University, Middletown, CT 06459-0175.

Wesleyan is proud of its record of commitment to diversity and encourages applications from women and persons of color. Wesleyan University is an Equal Opportunity/Affirmative Action Employer.

## **BIOCHEMISTRY FACULTY POSITIONS**

The Department of Biochemistry at The University of Mississippi Medical Center (website: http://www2.umsmed.edu/dept/biochemistry/ biochem1.html) invites applications for two TEN-URE-TRACK POSITIONS at any rank. The interests of the applicants should overlap with those existing in the Department, which has strong research programs in gene expression, chromatin structure, ribosome biogenesis, anticancer drug mechanisms, nucleic acid and protein biophysics, energy transduction, enzymology, and structural biology. The successful applicants are expected to establish or have independent, funded research programs and to participate in the training of medical, dental, and graduate students. Send curriculum vitae, a brief outline of future research plans, and the names of three references to: Dr. Mark Olson, Chair, Department of Biochemistry, The University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216-4505. Equal Opportunity Employer; Minorities/Females/Disabled / Veterans

#### **POSITIONS OPEN**

#### FACULTY POSITION IN GENOMICS OR BIOINFORMATICS Department of Biology

Indiana University, Bloomington

The Department of Biology is seeking candidates working the the areas of genomics or bioinformatics for a position that may be filled at any level from **ASSISTANT** to **FULL PROFESSOR**. We encourage applications from candidates who specialize in any aspect of genomics including functional, population, or evolutionary genomics or in any aspect of bioinformatics.

This position is part of a significant expansion of IU-Bloomington's efforts in the life sciences. The expansion encompasses construction of two major research buildings; a new interdepartmental initiative inbiochemistry and biophysics; and numerous recent hirings that have greatly expanded our strengths in the areas of microbiology, biochemistry, cell and developmental biology, molecular evolution, and ecology. One consequence of this expansion is that we welcome applications and inquiries from two-carecouples at any level including those with partners in other areas of biology, biochemistry, and biophysics.

The successful candidate will be provided with a competitive start-up package and will both interact with and benefit from The Center for Genomics and Bioinformatics, a campuswide center supporting research in these areas. S/he will also benefit from intercampus programs sponsored by the Indiana Genomics initiative fostering collaborations with the Indiana University School of Medicine and from training grants in genetics and in evolution, development, and genomics. For more information about the Biology Department and for links to information about the campus and the Bloomington community, see website: http://www.bio.indiana.edu.

Junior candidates should send curriculum vitae; a statement of research (past, present, and planned) and teaching interests; representative publications; and arrange to have three (or more) letters of recommendation sent to: Professor Peter Cherbas, Genomics and Bioinformatics Faculty Search, Department of Biology, Indiana University, 1001 East Third Street, Bloomington, IN 47405-3700. Senior candidates should send a letter of interest and curriculum vitae. Review of applications will begin October 15, 2001, and will continue until suitable candidates are identified.

Indiana University is an Affirmative Action/Equal Opportunity Employer. Women, minority candidates, and couples are encouraged to apply.

# FACULTY POSITION University of North Carolina at Chapel Hill Division of Medicinal Chemistry and Natural Products

The Division of Medicinal Chemistry and Natural Products invites applications for a tenure-track position available in the fall of 2002. Applicants at all levels are encouraged to apply. Candidates for ASSIST-ANT PROFESSOR must have a Ph.D. degree and postdoctoral experience is desirable. The position requires development of an internationally recognized program of scholarly research and the demonstration of commitment to excellence in teaching at the professional and graduate levels. Programs in all areas of medicinal chemistry, pharmacology, and biochemistry will be considered, but preference will be given to studies that focus on drug discovery and design and the function of molecular targets. Applicants should submit curriculum vitae, publication list, a concise description of proposed research, and arrange for four letters of recommendation to be sent to: Professor Harold Kohn, Chair, Division of Medicinal Chemistry and Natural Products, School of Pharmacy, University of North Carolina at Chapel Hill, CB Number 7360, Beard Hall, Chapel Hill, NC 27599-7360. Applications will be reviewed beginning October 10, 2001, and review will continue until the position is filled. The University of North Carolina at Chapel Hill is an Equal Opportunity Employer. Women and members of minority groups are encouraged to

# DIRECTOR FOR THE MRC INSTITUTE OF HEARING RESEARCH



The Institute of Hearing Research (IHR) in Nottingham is internationally renowned for basic research on the causes of deafness and science-driven investigations influencing national policy in the area of hearing disability. The IHR currently comprises 6 major research programmes, core-funded by MRC, spanning molecular genetics, physiology of the auditory system, psychoacoustics through to Health Services related epidemiological and health economic research.

We now seek a Director to lead and further develop the Institute. He or she will be an outstanding international scientist working in a field relevant, or with potential application to hearing dysfunction and treatment. The post requires an individual with scientific breadth, leadership and managerial skills, able to direct a multi-disciplinary programme of research to improve our understanding of the basic mechanisms underlying auditory function and dysfunction, leading to clinical trials to improve diagnosis and treatment.

The Director is responsible for setting the overall research strategy and will be supported directly by 5-6 Senior Scientists with international reputations in their individual fields. The IHR has a central division with a number of outstations in the UK, all associated with leading University Institutions and therefore good sources of PhD and postdoctoral researchers. Opportunities are available locally to increase collaborations eg in the areas of cell biology, epidemiology and imaging.

The Director will play a key role in helping to develop Council strategy in the area.

Please contact Dr Kevin Young at Euromedica to discuss your interests in strict confidence:

Telephone: +44 20 7536 7960; email: emmawise@euromedica.com

MRC is an equal opportunities employer.

# WAYNE STATE UNIVERSITY

# Cell / Developmental Biologists

The Department of Biological Sciences at Wayne State University invites applications for two faculty positions at the Assistant, Associate or Full Professor level (tenured/tenure-track). We are especially interested in individuals who are using model organisms or cells to study basic mechanisms of cell function and/or development. Individuals whose research programs complement and extend the Department's strengths in cell signalling, membrane function and gene regulation are especially encouraged to apply. However, outstanding candidates in other areas will be given equal consideration. The Department is housed in the six-story Biological Sciences Building, which contains modern, spacious research laboratories and outstanding facilities for microscopic imaging, cell culture, DNA microarray analysis and DNA sequencing. Vertebrate and invertebrate animal facilities are also available. Wayne State University is a major participant in the 20 year, \$1 billion Michigan Life Sciences Corridor research initiative. Applicants must have a Ph.D. degree, postdoctoral experience and an outstanding record of research achievement. Successful applicants are expected to establish and maintain externally funded research programs, and participate in graduate and undergraduate education. See http://bio.wayne.edu for additional information. Applicants should submit their curriculum vitae, a statement of research plans, and have three letters of reference sent to: Chair, Faculty Search Committee, Department of Biological Sciences, Wayne State University, 5047 Gullen Mall, Detroit, MI 48202. The search will remain open until the positions are filled, but review of applications will begin immediately.

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

# GLOBAL OPPORTUNITIES

# BEN-GURION UNIVERSITY OF THE NEGEV

Requires:

# Director

The Jacob Blaustein Institute for Desert Research, Sede Boger Campus

**Employer:** Ben-Gurion University of the Negev

Job Description: Ben-Gurion University of the Negev seeks a director for the Jacob Blaustein Institute for Desert Research (BIDR). The BIDR is a multidisciplinary research institute comprising six departments with 60 faculty members and over 150 graduate students who study a wide range of desert and desertification subjects. The BIDR

includes the Albert Katz International School for Desert Studies and the Blaustein Center for Scientific Cooperation. It also serves as a European Commission large-scale facility for scientific research in Israel. See http://www.bgu.ac.il/BIDR/ for details.

**Position requirements:** Qualifications for a tenured full professorship. Understanding of the broad spectrum of academic and applied research and a distinguished record of scholarly accomplishments; commitment to high quality in the sciences and in professional education.

**Preferred:** Administrative experience in a complex academic organization: experience in strategic planning, program development and fund raising

Send nominations and applications by October 1st, 2001 to: Prof. Zvi Priel, Chairman Search Committee for BIDR Director Department of Chemistry Ben-Gurion University of the Negev P.O. Box 653 Beer-Sheva, Israel





## FACULTY POSITION AT MIT McGovern Institute for Brain Research and Department of Brain and Cognitive Sciences

McGovern Institute is seeking outstanding Scientists with a strong record of research accomplishments for positions at any level. Positions are joint appointments with the MIT Department of Brain and Cognitive Sciences and ASSISTANT PROFESSOR positions are tenure track. Successful applicants will be expected to develop a significant and independent research program and have a commitment to excellence in undergraduate and graduate education.

The applicant's research program should address issues pertinent to the higher functions of the brain. We are particularly interested in candidates pursuing research in the area of experimental and computational investigations of integrated neural systems in animals with complex behavior. Investigators using imaging techniques to explore dynamic neuronal functions are specifically encouraged to apply.

Applicants should submit curriculum vitae including a summary of current and proposed research programs and should arrange for three letters of recommendation to be sent to:

McGovern Search Committee Attention: Donna Bujno MIT, Room E25-435 77 Massachusetts Avenue Cambridge, MA 02139

Consideration of completed applications will begin on October 15, 2001.

MIT is an Affirmative Action/Equal Opportunity Employer. Qualified women and minority candidates are especially encouraged to apply.

# FACULTY POSITIONS Molecular Biochemistry/Biophysics/ Biology/Cell Biology/Genetics Department of Biochemistry and Biophysics Texas A&M University

The Department of Biochemistry and Biophysics at Texas A&M University invites applications for two tenure-track positions. Candidates whose research interests address fundamental problems in any area of molecular biochemistry/biophysics/biology/cell biology/genetics are invited to apply. The appointments are likely to be at the ASSISTANT PROFES-SOR level but inquiries from more senior candidates are encouraged. Successful candidates will be expected to establish an active research program and to participate in the teaching missions of the Department. These positions offer a chance to join a department with an energetic and interdisciplinary faculty, an excellent graduate program, and amply opportunties for collaborations with enthusiastic colleagues in this and other departments. With a student population of over 40,000, Texas A&M is an outstanding university centrally located between Dallas, Austin, and Houston. For more information about the Department, see website: http://biochemistry.tamu. edu/

Applicants should send curriculum vitae, reprints of up to four significant publications, statement of future research and teaching interests, and arrange to have three letters of reference sent to:

> Faculty Search Committee 2001 Chair, Department of Biochemistry and Biophysics Texas A&M University 2128 TAMU College Station, TX 77843-2128

Review of applications will begin November 1, 2001, and continue until the positions are filled. Texas A&M University is an Affirmative Action/Equal Opportunity Employer committed to diversity. To request ADA accommodations, please contact us at Telephone: 979-845-6835.

#### POSITIONS OPEN

#### THREE FACULTY POSITIONS Molecular and Cellular Biology University of Arizona

The Department of Molecular and Cellular Biology is seeking three tenure-track faculty members for appointment in 2002. Specifically, we intend to hire two tenure-track MCB faculty in conjunction with the Arizona Cancer Center, Job Number 20430. Relevance to cancer biology, broadly defined, will be expected. Individuals working with model organisms are especially encouraged to apply. Preference will be given to candidates at the ASSISTANT PROFESSOR level, but outstanding senior candidates will also be considered. Successful applicants will join a growing and interactive group of basic Scientists at the Arizona Cancer Center.

Arizona Cancer Center.

ASSISTANT PROFESSOR OF MOLECU-LAR AND CELLULAR BIOLOGY, Job Number 20431. Research interests may be in any area of molecular, cellular, developmental, or computational biology. Again, individuals working with model organisms or with interests in emerging technologies are encouraged to apply. For all positions, a successful candidate will be expected to establish a competitive research program and to teach at both the undergraduate and graduate levels. For complete information, see website: http://www.hr.arizona.edu. Send curriculum vitae, a one-to-two-page statement of research interests, and have at least three supporting letters sent to: Danny Brower, Head, Department of Molecular and Cellular Biology, Life Sciences South Building, Room 444, University of Arizona, P.O. Box 210106, Tucson, AZ 85721 U.S.A. E-mail: rwenzel@u.arizona.edu. Review of applications begins September 15, 2001, and will continue until positions are filled. The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer; Minorities/Women/Disabled/Veterans.

The Chemistry Department at Tufts University invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. The area of chemistry is open; however, special emphasis is being placed on biological organic chemistry. Research areas could include bioorganic chemistry, molecular biology, enzymology, medicinal chemistry, or the molecular basis of protein structure and function. Visit website: http://chem.tufts.edu for more information on the Department and website: http://www. tufts.edu for inforamtion about the University. The successful candidate will join an active Ph.D.-granting department with a strong interest in undergraduate education. Teaching will include specialized courses at the beginning and advanced graduate level as well as undergraduate courses. A Ph.D. in chemistry is required. To ensure full consideration, please send curriculum vitae, description of proposed research, statement of teaching interests, and arrange to have three letters of reference sent to: Search Committee, Chemistry Department, Pearson Laboratory, 62 Talbot Avenue, Tufts University, Medford, MA 02155. Review of applications begins October 15, 2001, and continues until the position is filled. Tufts University is an Affirmative Action/Equal Opportunity Employer. We are committed to increasing the diversity of our faculty. Applications from women and members of underrepresented groups are strongly encouraged.

Stanford University's Department of Civil and Environmental Engineering invites applications for a tenure-track faculty position in its Environmental and Water Studies Program at the junior (ASSISTANT or untenured ASSOCIATE PROFESSOR) level. Our program builds on a tradition of complementary, interactive investigations comprising theory, laboratory studies, field work, and computational modeling. We are conducting a broad search to develop new opportunities for teaching and research within our program and to build bridges to other programs at Stanford. Further information about the position and Department can be found online at website: http://wwwcive.stanford.edu/faopps/faopps.html. Stanford University is an Equal Opportunity Employer and welcomes nominations of women and minority group members and applications from them.

# POSITIONS OPEN



#### ASSISTANT PROFESSOR

The Morehouse School of Medicine Neuroscience Institute invites applications for full-time positions at the Assistant Professor level or higher. Successful candidates will join a group of Neuroscientists working in areas such as circadian rhythm, neuroprotection, animal behavior, regeneration, and signal transmission. Favorable consideration will be given to currently funded Investigators with research programs that complement those within the Institute. Promising Investigators with less mature programs are also encouraged to apply. Full support from the Director of the MSMNI and from advisory committees of nationally recognized Scientists and scientific support from NINDS (as needed) is available to establish and sustain research programs. Opportunities for joint appointment and teaching in basic science departments at Morehouse School of Medicine are available.

Interested candidates should send their curriculum vitae; the names of three references; a statement of interest; and representative reprints by October 15, 2001, to: Peter R. MacLeish, Ph.D., Director, Morehouse School of Medicine Neuroscience Institute, Morehouse School of Medicine, 720 Westview Drive, S.W., Atlanta, GA 30310-1495.

The Morehouse School of Medicine is an Equal Opportunity Employer.

#### FACULTY POSITIONS DEPARTMENT OF CHEMISTRY Boston College

Applications are invited for two tenure-track faculty positions effective September 2002. Areas of interest include but are not limited to physical, materials, analytical, organic, inorganic, and biological chemistry as well as related interdisciplinary areas. Successful applicants are expected to establish a prominent, externally funded research program and will join a department of approximately 100 Doctoral students, 25 Postdoctoral Fellows, and an internationally recognized faculty. Applicants at the beginning ASSIST-ANT PROFESSOR level should indicate the area or areas of their research and teaching interests by submitting both a detailed research plan and a brief statement of teaching interests along with their curriculum vitae and a summary of previous research accomplishments. In addition, applicants should arrange to have three letters of reference transmitted. Established Investigators should send a letter of application and appropriate supporting materials. All materials should be sent to: Chair, Faculty Search Committee, Department of Chemistry, Boston College, Chestnut Hill, MA 02467. Website: http://chemserv. bc.edu; FAX: 617-552-2705. The application deadline is October 15, 2001. Boston College, university of 14 schools and colleges, is an Equal Opportunity Employer and supports Affirmative Action.

# CAROLINAS HEALTHCARE SYSTEM

Carolinas Healthcare System, located throughout the Charlotte, North Carolina area, is a premier, multifaceted health care organization whose facilities make up one of the largest integrated healthcare systems in the United States.

# RESEARCH FELLOW

We currently have an opening for a **POSTDOC-TORAL RESEARCH FELLOW** to study gene expression, physiology, and biochemistry in models of excess inflammation. A Ph.D. with molecular biology emphasis is required.

Interview and relocation assistance are available. Please submit your résumé online, by mail, or FAX: Carolinas Healthcare System, Attention: Recruitment Services/S831SP, P.O. Box 32361, Charlotte, NC 28232-2861. Website: http://www.carolinashealthcare.org; FAX: 704-444-3099. Equal Opportunity Employer/Affirmative Action.

# Vaccinology Assistant Professor In-Residence Center of Excellence for Vaccine Research Pathobiology and Veterinary Sciences **University of Connecticut**

The Center of Excellence for Vaccine Research (CEVR) invites applications for a non-tenure track position at the Assistant Professor rank. The successful candidate will join a multidisciplinary group whose mission is to elucidate mechanisms of pathogenesis of, and immune responses to bacterial and viral pathogens of animals with the goal of developing safe and effective vaccines. We seek a microbiologist to conduct research in the area of host-pathogen interactions. The candidate is required to hold a Ph.D. in microbiology and must have post-doctoral research experience. Preference will be given to candidates with demonstrated expertise with gram positive pathogens or mycoplasmas. Applicants should submit a curriculum vitae, a concise statement of research interests and accomplishments, and arrange for three letters of recommendation to be sent to: Dr. Steven J. Geary, Professor and Director Center of Excellence for Vaccine Research, University of Connecticut, 61 North Eagleville Road, Unit 3089, Storrs, CT 06269-3089. Review of applications will begin after publication of this notice and continue until the position is filled. Information about the research interests of the Center faculty can be found at the CEVR web site: http://cevr.uconn.edu. We encourage applications from



under-represented

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

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

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

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

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

NIH is an Equal Opportunity Employer.



Eidgenössische Technische Hochschule Zürich Swiss Federal Institute of Technology Zurich

# Two Faculty Positions in **Organic Chemistry**

Opportunities are offered at junior (tenure track) and senior level. The research program of the candidates should focus on the application of chemical methods to study biological problems; a strong synthesis or methodological component is desirable. Candidates are expected to participate in teaching organic chemistry at undergraduate and graduate levels. Requirements for candidacy are a successful research program, teaching abilities, and a willingness to collaborate with colleagues within and outside the ETH Zurich.

Please submit your application together with a curriculum vitae and a list of publications to the President of ETH Zurich, Prof. Dr. O. Kübler, ETH Zentrum, CH-8092 Zurich, no later than November 15, 2001. The ETH Zurich specifically encourages female candidates to apply with a view towards increasing the proportion of female professors.

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

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

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

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

The University of Minnesota is an Equal Opportunity Educator and Employer

#### TWO FACULTY POSITIONS IN CELL BIOLOGY Johns Hopkins School of Medicine

Applicants are invited to apply for two tenure-track faculty positions at the ASSISTANT PROFESSOR level in the Department of Cell Biology and Anatomy Applicants at senior levels will also be considered. We seek outstanding individuals who are addressing fundamental problems in cell biology or development using genetic, molecular, biochemical, and cellular approaches. Candidates should have a Ph.D. or M.D., postdoctoral experience, and a strong publication record. The successful candidate is expected to develop an independent, exciting research program and to display a commitment to excellence in teaching by participating in an interdepartmental graduate program and medical student teaching. By November 1, 2001, applicants should mail curriculum vitae; summary of research accomplishments; a two-page statement of research plans; and arrange to have three letters of recommendation sent to:

Dr. Peter Devreotes
Chair, Department of Cell Biology
Faculty Search
The Johns Hopkins School of Medicine
725 North Wolfe Street
Baltimore, MD 21205
Website: http://www.hopkinsmedicine.
org/cellbio

The Johns Hopkins University is an Equal Opportunity Employer. The University promotes Affirmative Action for minorities, women, individuals with disabilities, and veterans. The Johns Hopkins University is a smoke-free and drug-free workplace.

TEXAS A&M UNIVERSITY: MOLECULAR PROTEOMICS. The Department of Chemistry, in association with the multimillion dollar Life Science Initiative at Texas A&M University, is undertaking a strategic move towards the establishment of a new research program in molecular proteomics. We seek to add JUNIOR-LEVEL FACULTY MEMBERS with research interests in one or more of the following areas: (1) protein structure elucidation by X-ray crystallography, NMR, or mass spectrometry; (2) highthroughput expression and analysis of proteins; (3) protein-protein interactions; and (4) evolution of functional and structural diversity. In addition to establishing a vigorous independent research program, the successful candidate(s) will be expected to teach at the undergraduate and graduate levels. Candidates should submit curriculum vitae, a brief description of research plans (not to exceed five pages), and arrange for three letters of recommendation to be sent to: Dr. Emile A. Schweikert, Head, Department of Chemistry, Texas A&M University, P.O. Box 30012, College Station, TX 77843-3012. Review of applications will begin October 15, 2001, and will continue until the position is filled. Texas A&M University is an Equal Opportunity/Affirmative Action Employer and applications from underrepresented groups are especially encouraged.

# FACULTY POSITIONS IN IMMUNOLOGY Duke University Medical Center

The Department of Immunology invites applications for tenure-track faculty positions at all levels.

Candidates working in molecular and cellular immunology, host defense, cancer immunobiology, lymphocyte signal transduction and development, and models of human disease are encouraged to apply.

Interested individuals should send curriculum vitae, a statement of research interest, and the names of three references to:

Dr. Thomas F. Tedder
Department of Immunology
P.O. Box 3010
Duke University Medical Center
Durham, NC 27710
Website: http://immunology.mc.duke.edu

Duke University Medical Center is an Equal Opportunity/ Affirmative Action Employer.

#### POSITIONS OPEN

# Nebraska Medical Center

FACULTY POSITION Biochemistry and Molecular Biology

The Department of Biochemistry and Molecular Biology invites applications for a tenure-track position at the rank of ASSISTANT/ASSOCIATE PROFESSOR. Qualifications include a Ph.D. or M.D. degree and relevant postdoctoral experience. Preference will be given to outstanding candidates who can apply state-of-the-art biochemical and molecular approaches including but not limited to proteomics and functional genomics to cancer research. The ideal candidate will have research interests and experience that will enhance ongoing research in the Department (website: http://www.unmc. edu/Biochemistry/).

The successful applicant will be expected to have or develop a funded, independent research program and to contribute significantly to the teaching programs of the Department. Submit curriculum vitae, selected reprints, a brief description of current and future research interests, teaching experience, and three letters of reference to: Chair, BMB Search Committee, Department of Biochemistry and Molecular Biology, 984525 Nebraska Medical Center, Omaha, NE 68198-4525.

UNMC is an Equal Opportunity/Affirmative Action Employer. Minorities and women are encouraged to apply.

# ASSISTANT PROFESSOR PLANT PHYSIOLOGY

The Biology Department, University of Nebraska at Omaha, announces a tenure-track Assistant Professor position in plant physiology starting August 2002. A completed Ph.D. in plant physiology or closely related discipline is required. Postdoctoral research and/or teaching experience are desirable. Applicants with research interests in any area of plant physiology will be considered. Teaching responsibilities include an upper-division/graduate plant physiology course with a laboratory and participation in introductory biology survey courses. Graduate courses in the area of specialization may be developed. The successful candidate is expected to establish an active research program. For more information about the Department, see website: http:// www.unomaha.edu/ wwwbio/. Screening of applications will begin October 1, 2001, and continue until the position is filled. Send curriculum vitae, statements of teaching and research objectives, and three letters of recommendation to: Chair, Biology Department, University of Nebraska at Omaha, 6001 Dodge Street, Omaha, NE 68182. The University and Department are strongly committed to achieving diversity among faculty and staff. We are particularly interested in receiving applications from members of underrepresented groups and strongly encourage women and persons of color to apply.

## **FACULTY POSITION**

The Department of Cell Biology and Neuroscience at the University of South Carolina School of Medicine invites applications for a tenure-track position at the level of ASSISTANT or ASSOCIATE PRO-FESSOR beginning as early as September 1, 2001. Candidates must have at least two years of postdoctoral experience and the capacity to maintain an active research program in some area of mammalian reproductive neurobiology or other area of reproductive biology fundable at the national level. Responsibilities will eventually include teaching in a team-taught histology course to medical students and participation in graduate education. Submit a statement of career and research interests, curriculum vitae, and names and contact information for three potential references to: Clarke F. Millette, Ph.D., Search Committee Chair, Department of Cell Biology and Neuroscience, University of South Carolina, School of Medicine, Columbia, SC 29208. The University of South Carolina is an Equal Opportunity/Affirmative Action Employer.

### POSITIONS OPEN

# IMMUNOLOGY FACULTY POSITION DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

University of Michigan Medical School

Applications for two tenure-track faculty positions at the ASSISTANT, ASSOCIATE, or PROFSSOR level are solicited. The appointment will be in the Department of Microbiology and Immunology (website http://www.med.umich.edu/microbiol/homepage/html), but multiple opportunities exist for interactions with a larger immunology program (website: http://www.med.umich.edu/immprog/ html). Successful applicants will be expected to maintain a strong, well-funded research program. The Department wishes to add to existing strengths in the Medical School in microbial pathogenesis, in the pathogenesis of inflammation, and in tumor immunotherapy by recruiting an individual whose research interests include any area of basic molecular or cellular immunology or immunogenetics. Applicants should submit their curriculum vitae, a statement of research interests (including future plans), and the names of three individuals whom the applicant has asked to send letters of reference to the following address: Chair, Immunology Search Committee, Department of Microbiology and Immunology, University of Michigan Medical School, 5641 Medical Science Building II, Ann Arbor, MI 48109-0620. Letters of reference should be sent directly to the same address. Deadline for receipt of applications is 1 November 2001

ASSISTANT/ASSOCIATE PROFESSOR, biomolecular NMR, starting September 2002. Grant faculty position leading to tenure track in the Department of Chemistry, The City College, CUNY, site of the New York Structural Biology Center (NYSBC). Requirements: Ph.D. (postdoctoral experience preferred) with NMR-related expertise in one or more of the following areas: molecular recognition and assembly, structural studies of large proteins, proteins complexes, nucleic acids and protein dynamics, NMR methodology for experiments, and analysis tools for structural biology. Resources available include a wet laboratory for biochemistry with substantial core facilities and a high-field NMR at CCNY; additionally, high-field instruments at the NYSBC and at CUNY are available. The successful applicant will be expected to develop an internationally recognized research program, teach undergraduate- and Ph.D.-level courses in chemistry and to participate in CUNY-wide interdisciplinary courses in structural biology. Full details at website: http://www.ccny.cuny.edu/ positions. Application review begins September 30, 2001, and continues until the position is filled. Submit letter of application, curriculum vitae, list of publications, detailed research plan, and three letters of reference to: Professor Thomas Haines, Department of Chemistry, The City College, CUNY, 138th Street and Convent Avenue, New York, NY 10031. An Equal Employment Opportunity/Affirmative Action/Americans With Disabilities Act/Immigration Reform and Control Act Employer.

# STAFF ASSOCIATE COLUMBIA UNIVERSITY

The Gertrude H. Sergievsky Center has a full-time position for a Staff Associate on a study of Down syndrome and Alzheimer's disease. Responsibilities include cognitive assessment of adults with mental retardation, interviewing, medical record review, and phlebotomy. Previous experience with adults with mental retardation and interviewing preferred but not mandatory. A car is required to travel to interview sites; reimbursement is provided for travel expenses and travel time. Occasional evening work may be required. B.A. required; M.A. in epidemiology, psychology, or biomedical studies preferred. Salary is \$33,000 with good benefits.

Qualified applicants should send résumés to: Dr. Nicole Schupf, Gertrude H. Sergievsky Center, P and S Box 16, 630 West 168th Street, New York, NY 10032.

Columbia University takes Affirmative Action toward Equal Employment Opportunity.

# Postdoctoral Fellow and Research Associate Applied Physics

Suitable positions for biophysical chemist, photochemist photophysicist, molecular biophysicist, preferably with ultrafast optics experience for these programs: Ultraviolet photophysics and photochemistry of DNA, proteins and their binding interac tions in vitro and in vivo as multiphoton excited by amplified femtosecond lasers Correlation spectroscopy of chemical and physical dynamics of molecular aggregation in neurodegenerative disease. Photophysics of intrinsic tissue fluorescence and harmonic generation induced by femtosecond multiphoton excitation for laser nonlinear microscopy and in vivo fluorescence correlation spectroscopy. Single molecule chemical dynamics and quantum dot optics in optical nanoscopic structures and nanometer resolutions for nanobiotechnology.

To apply, send curriculum vitae, a letter indicating your career interests, and letters of recommendation to:



Professor Watt W. Webb Applied Physics, 223 Clark Hall, Cornell University Ithaca NY 14853-2501 FAX 607-255-7658 E-mail www2@cornell.edu.

Cornell University is an Equal Opportunity/Affirmative Action Employer/Educator and strongly welcomes nominations of, and applications from, women and underrepresented minorities.

http://www.cornell.edu http://chronicle.com/jobs/profiles/002711.htn

# IRENE DIAMOND PROFESSORSHIPS IN IMMUNOLOGY

# SKIRBALL INSTITUTE NEW YORK UNIVERSITY SCHOOL OF MEDICINE



Two positions at the Assistant to Full Professor level are available as part of a new initiative to further enhance research in immunology and host-pathogen interactions at New York University School of Medicine. Research areas of particular interest include innate immunity; regulation of immune responses to pathogens; cell biology of antigen presentation and of dendritic cells; leukocyte trafficking and lymphatic organ development; and signal transduction pathways in cell cycle progression and apoptosis of lymphocytes. The successful

candidates are expected to contribute to building a comprehensive training program in immunology for graduate students and post-doctoral fellows. Laboratories will be located in the Molecular Pathogenesis Program within the Skirball Institute of Biomolecular Medicine and will have appointments in appropriate departments at the School of Medicine. Excellent start-up packages will be provided, and the positions will be supported in part by the Irene Diamond Professorships in Immunology, which are intended to strengthen immunology research in the New York area.

Applicants should submit a CV, statement of research interests, and names of three references to: Dan Littman, M.D., Ph.D., Chair, Immunology Search Committee, c/o Annie Angell, Skirball Institute, New York University School of Medicine, 540 First Avenue, 3rd Floor, New York, NY 10016.

Application materials must be received by October 15, 2001.



# **Faculty Position in Bacterial Pathogenesis**

The Department of Microbiology, Immunology and Molecular Genetics at UCLA is initiating a major recruitment effort in Bacteriology/Bacterial Pathogenesis. Applications are invited for a tenure-track faculty position at the rank of Assistant Professor. Applicants should have a Ph.D. and/or M.D. degree, postdoctoral experience, and an outstanding record of accomplishment using novel approaches to study bacterial pathogenesis. Specific areas of interest include but are not limited to bacterial-host interactions, microbial immunology, cellular microbiology, physiology of bacterial pathogens, structural biology of virulence determinants, virulence gene expression, and genomics/bioinformatics. The successful candidate is expected to develop a vigorous, well-funded research program and participate in the Department's undergraduate, graduate, and/or medical school teaching.

For full consideration, applications should be received by November 1, 2001; applications will be accepted until the position is filled. A curriculum vitae, selected reprints, a statement of research interests and three letters of recommendation should be sent to:

Dr. Jeff F. Miller
c/o Ms. Vinh Nguyen
Bacterial Pathogenesis Search Committee
Department of Microbiology and Immunology
UCLA School of Medicine
10833 Le Conte Avenue
Los Angeles, CA 90095-1747
e-mail, vinhn@microbio.ucla.edu

UCLA is an Equal Opportunity/Affirmative Action Employer committed to faculty diversity. Applications from women, minorities and the disabled are strongly encouraged.



# **SCIENTIFIC REVIEW ADMINISTRATORS**

THE CHALLENGE: The National Center for Complementary and Alternative Medicine (NCCAM), NIH, is seeking exceptional candidates to serve as Scientific Review Administrators. Scientific Review Administrators are responsible for the initial administrative and technical review of research, training and career development applications before forwarding them to outside consultants for more detailed review. Scientific Review Administrators are responsible for the overall conduct of the review meeting or study section that meets to judge the scientific merit of each application. After evaluation, Scientific Review Administrators prepare a summary statement of review committee findings and recommendations for use by the National Advisory Council of NCCAM.

**THE REQUIREMENTS**: Candidates must have a doctorate or equivalent in the health sciences. Experience with the Federal peer review system as well as knowledge of complementary and alternative medicine modalities are required for this position. U.S. Citizenship is also required. Salary is commensurate with qualifications and experience. Send completed applications to:

National Center for Complementary and Alternative Medicine, NIH

ATTN: Mary Weber, Human Resource Office 6707 Democracy Blvd., Suite 200 Bethesda, Maryland 20892

Applications must be postmarked by September 30, 2001.

NIH is an Equal Opportunity Employer



NINDS is recruiting for a **STAFF POSITION** for a Ph.D. or M.D. with skills in image processing of both neuroimaging (particularly fMRI) and EEG/MEG. The individual will work in the Human Motor Control Section, MNB, and collaborate in research projects relating to the normal control of movement and the pathophysiology of movement disorders.

Interested individuals should contact: Mark Hallett, M.D., Chief, Human Motor Control Section, NINDS, NIH, Building 10, Room 5N226, 10 Center Drive, MSC 1428, Bethesda, MD 208921428. Telephone: 301-496-9526; FAX: 301-480-2286; e-mail: hallettm@ninds.nih.gov. NINDS is a component of the National Institutes of Health.

NÎH is an Equal Opportunity Employer.

# THE OHIO STATE UNIVERSITY Department of Biomedical Informatics

The OSU Department of Biomedical Informatics is currently seeking applications for TENURE-TRACK FACULTY MEMBERS at all ranks in our recently established Department of Biomedical Informatics. We are recruiting faculty with research interests in bioinformatics, image analysis, computational biology, visualization, medical information systems, and data mining and in data-intensive and grid computing. Depending on individual interests and departmental requirements, faculty will have a combination of research, teaching, service, and clinical responsibilities.

The Ohio State University has an established super-computing facility and nationally recognized programs in genomics, nanotechnology, MRI imaging, bioengineering, and other state-of-the-art research areas committed to supporting and expanding this burgeoning field. We offer a highly competitive compensation package, an excellent opportunity to expand one's career, and a substantial opportunity to collaborate and publish with other nationally recognized Investigators.

Candidates must demonstrate a strong commitment to building both the educational and research components of our Department. The successful applicant is expected to play an active role in the educational objectives of our program, compete effectively for external funding, and lead interdisciplinary research programs. A track record of leadership in initiating multidisciplinary research projects involving faculty from diverse departments is highly desirable.

Senior applicants must have demonstrated success in obtaining external research support for independent research projects, evidence of excellence in academic teaching, and a successful track record of publication.

Applicants must have an M.D. and/or Ph.D. degree. Applicants should send or e-mail a letter of interest including statements of research and teaching interests and curriculum vitae to:

Joel Saltz, M.D.
OSU Department of Biomedical Informatics
3184 Graves Hall
333 West 10th Avenue
Columbus, OH 43210
E-mail: saltz-1@medctr.osu.edu

The Ohio State University is an Equal Opportunity Employer.

MICROBIOLOGIST II POSITION is immediately available in the Department of Diagnostic Medicine/Pathobiology at Kansas State University. This is a permanent, state-funded position at an annual salary of \$32,844 and the position offers excellent fringe benefits. Qualified applicants should have a Master's in virology/molecular biology and two to three years of experience in molecular virology research. American citizens, green card, and H1 visa holders may send curriculum vitae and names of at least three references to: Dr. S. Chowdhury, DM/P, College of Veterinary Medicine, KSU, Manhattan, KS 66506. E-mail: chowdh@vet.ksu.edu.

# POSITIONS OPEN

# FACULTY POSITIONS IN BIOORGANIC AND BIOLOGICAL CHEMISTRY

University of Pennsylvania Department of Chemistry

The Department of Chemistry at the University of Pennsylvania plans to make two faculty appointments in the area of bioorganic and biological chemistry. The appointments can be at any rank. Applicants should send their curriculum vitae, list of publications, and a description of current and proposed research to: Hai-Lung Dai, Chairman, Department of Chemistry, University of Pennsylvania, Philadelphia, PA 19104-6323 at their earliest convenience. Applicants at the ASSIST-ANT PROFESSOR level should submit materials including three reference letters by October 31, 2001. Consideration of the applications starts immediately. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

#### TENURE TRACK, BIOCHEMISTRY

The Department of Biochemistry at the University of Vermont seeks to fill two full-time (12-month, any professional rank), TENURE-TRACK FAC-ULTY positions in mechanistic enzymology and proteomics/bioinformatics. Applicants with commitments to undergraduate, graduate, and medical student education in an environment fostering collaborative research interactions are encouraged to apply. Candidates incorporating mass spectroscopic techniques and/or NMR-based approaches into their studies are particularly desirable. The successful candidates will complement the Department's existing research strengths in the biochemical, biophysical, and structural characterization of protein-protein, protein-metal ion, protein-membrane, and proteinnucleic acid interactions. The campus of the University is located in Burlington beside Lake Champlain, which is nestled between the New York Adirondack and Vermont Green Mountains. Interested individuals should send a résumé, a description of career goals and research interests, and names of three references to: Paula B. Tracy, Ph.D., Search Committee Chairperson, Biochemistry Department, UVM College of Medicine, 89 Beaumont Avenue, Burlington, VT 05405-0068. Additional information can be found on the Department website: http:// biochem.uvm.edu. Applications will be accepted until the position is filled; however, we strongly encourage submissions by December 31, 2001. The University of Vermont is an Affirmative Action/Equal Opportunity Employer. Women and people of diverse racial, ethnic, and cultural backgrounds are encouraged to apply.

#### GRAVITATIONAL BIOLOGY AND ECOLOGY RESEARCH (GB&E) NASA'S Ames Research Center (ARC)

NASA Ames Research Center is soliciting candidates for the position of Chief of the Gravitational Biology Branch, one of three branches within the Life Sciences division. The Branch has approximately 20 civil servants whose research focuses on fundamental biology or bioastronautics in response to NASA's needs. The Chief represents the Branch and the Life Sciences Division to NASA Headquarters and to national and international technical conferences dealing with programmatic elements of the gravitational research activities of the Branch. The Chief also represents the Branch at reviews, briefings, and meetings with Center management, other organizational elements at the Center, other Centers, and the scientific community. Interested individuals are encouraged to contact: Dr. Emily Morey-Holton, M/S 239-11, NASA ARC, Moffett Field, CA 94035-1000. U.S. citizenship is required. NASA is an Equal Opportunity Employer.

# POSITIONS OPEN



#### SENIOR FACULTY POSITION

The Morehouse School of Medicine Neuroscience Institute (MSMNI) invites applications from SENIOR SCIENTISTS with research interests in the cellular and molecular levels and with an emphasis on understanding mechanisms of neuroprotection. Preference will be shown to candidates with current research funding (RO1 or equivalent) and with programs that target basic and clinical aspects of neuroprotection. The successful candidate will be required to work closely with the Institute Director to provide both short- and long-term direction to the Institute and its members. The MSMNI is a newly established institute with strong programmatic support from the National Institutes of Health and scientific oversight from nationally and internationally recognized Neuroscientists. Current research programs are in the areas of circadian rhythm, neuronal regeneration, receptor signaling and electrical excitability, and integration.

Send curriculum vitae, statement of research plans, and the names and contact numbers of five references to:

Peter R. MacLeish, Ph.D., Director Morehouse School of Medicine Neuroscience Institute 720 Westview Drive, S.W. Atlanta, GA 30310-1495 E-mail: macleip@msm.edu

Deadline for submission: October 15, 2001.

Morehouse School of Medicine is an Equal Opportunity

Employer.

ASSISTANT/ASSOCIATE/FULL PROFES-SOR in pain research: The University of Florida Comprehensive Center for Pain Research invites applications for a tenure-track position. The applicant should have a funded, independent research program. An interest in orofacial pain mechanisms is encouraged but not required. The applicant should be willing to participate in a multidisciplinary research program focusing on pathophysiological mechanisms underlying acute and chronic pain and that complements ongoing programs in clinical pain research. The applicant will have the opportunity to interact with more than 50 pain researchers belonging to a campuswide multidisciplinary center including members of the McKnight Brain Institute and six colleges of the Health Science Center. Candidates should have a Ph.D. or equivalent professional degree and a track record of research productivity. Competitive salary support and start-up funds will be provided. Application including curriculum vitae, statement of research interests, representative publications, and a list of three references should be sent to: Dr. Robert Yezierski, P.O. Box 100444, College of Dentistry, University of Florida, Gainesville, FL 32610-0444. Deadline for applications is December 15, 2001.

The University of Florida is an Equal Opportunity/Affirmative Action Institution. The selection process will be conducted under the provisions of Florida's government in the Sunshine and Public Records laws. Search application, résumés, and other documents related to the search will be available for public inspection.

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



# Chair Department of Pharmacology and Experimental Therapeutics

# Loyola University Chicago Stritch School of Medicine

Applications are invited for the position of Chair, Department of Pharmacology and Experimental Therapeutics, Loyola University Chicago, Stritch School of Medicine. The Department is currently well funded, with research focused in neuropharmacology, molecular pharmacology, and hematopharmacology Applicants must have a nationally recognized research program, be committed to Ph.D. graduate education, and be academically qualified for the rank of professor. In addition, the successful applicant will have excellent interpersonal and leadership skills and will have the vision and ability to move the department to the next level of national recognition and achievement.

Please submit nominations and applications (including curriculum vitae) to:

Dr. Katherine L. Knight
Department of Microbiology & Immunology
Loyola University Medical Center
2160 South First Avenue
Bldg. 105/ Room 3846
Maywood, IL 60153

# GRADUATE PROGRAMS

Department of Biology Northeastern University Boston, Massachusetts

The Department of Biology offers 4 graduate degree programs: the Ph.D. in Biology, M.S. in Biology, M.S. in Bioinformatics, and M.A. in Teaching. The Department consists of 22 full-time faculty, approximately 20 professional research associates and postdoctoral fellows, and 100 graduate students. The research specialties of the faculty include: Biochemistry, Cell and Molecular Biology, Physiology, Neurobiology, Microbiology, Marine Biology, Ecology, and Vertebrate Zoology. Greater than 80% of the faculty have significant external research funding. Graduate students interact closely with faculty in developing the intellectual and experimental skills required for their research. Students are encouraged to carry out laboratory rotations in their first year before selecting their thesis advisor.

Northeastern University is located in the Back Bay area of Boston with easy access to a tremendous variety of academic, cultural, and recreational opportunities. Graduate students in our department can conduct studies at a number of associated facilities, including the University's Marine Science Center, Institute for Molecular Biotechnology, and Center for Subsurface Sensing and Imaging Systems.

Graduate assistantships in the department provide full remission of tuition and annual stipends of \$17,800. Graduate funding is in the form of teaching assistantships, research assistantships, and internships with local biotechnology companies.

Applications for Fall 2002 must be received by January 15, 2002 in order to receive full consideration for financial aid. The general Graduate Record Examinations (GRE) are required and applicants whose first language is not English must have a minimum TOEFL score of 600. To receive an application contact: Graduate Staff Assistant, Department of Biology, 414 Mugar Life Sciences, Northeastern University, Boston, MA 02115; Phone: (617) 373-2262; Fax: (617) 373-3724; E-mail: f.lewis@neu.edu.

For more information, see our web site at: www.biology.neu.edu/graduateprogram

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

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

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

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









National Institute on Aging

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# Postmark deadlines: January 15, April 15, August 15.

Further information and application materials at:

# www.national-academies.org/rap

For questions or assistance, contact:

TEL: (202) 334-2760 FAX: (202) 334-2759 EMAIL: rap@nas.edu

MAIL: Associateship Programs (TJ2114/S4)

NATIONAL RESEARCH COUNCIL

2101 Constitution Avenue NW Washington, DC 20418

Qualified applicants will be reviewed without regard to race, creed, color, age, sex or national origin.

#### FACULTY POSITION Microbial/Viral Pathogenesis

The Department of Microbiology at The University of Texas Health Science Center at San Antonio invites applications for tenure-track faculty positions at the ASSISTANT, ASSOCIATE, or FULL PROFES-SOR levels. Expertise in microbial pathogenesis (bacterial/parasitic/viral/fungal) and/or host immune responses to microbial pathogens is preferred. Candidates whose research incorporates genomic and/or proteomic approaches or individuals with outstanding backgrounds in other areas with an interest in extending their research to medically relevant microbes are especially encouraged to apply. The successful applicants will have Ph.D. and/or M.D. degrees and will be expected to establish/maintain a high-quality, extramurally funded research program and participate in graduate student training and medical/dental school teaching. This is an exceptional opportunity to join a strong department in a desirable geographic location. Access to state-of-the-art core facilities and instrumentation as well as BSL-3 and insectory laboratory space is available.

Send curriculum vitae; summary of research interests; and the names and addresses of three references by November 30, 2001, to: Microbiology Search Committee, Department of Microbiology, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, Mail Code 7758, San Antonio, TX 78229-3900. Information concerning the UTHSCSA and the Department of Microbiology can be found through website: http://www.uthscsa.edu.

The UTHSCSA is an Equal Employment Opportunity/ Affirmative Action Employer.

#### TENURE-TRACK ASSISTANT PROFESSOR Molecular Toxicology

The Department of Environmental and Molecular Toxicology at North Carolina State University invites applications for an Assistant Professor position in the area of molecular toxicology. Research areas of interest include toxicogenomic/proteomic and transgenic animal approaches to investigate mechanisms of toxicity, effects of environmental agents on cell signaling, gene regulation and function, and susceptibility to environmental agents, although all mechanistic toxicology areas will be considered. Applicants must have a Ph.D. and postdoctoral research experience. The successful candidate will develop and maintain a strong, independent, and extramurally funded research program and contribute to graduate student education/training. The Department moved into a new state-of-the-art facility in April 2001. Review of applications will begin on November 15, 2001. Applicants should submit curriculum vitae, statement of research goals and teaching philosophy, and names and addresses of three references to: Robert C. Smart, Ph.D., Chair, Search Committee, Department of Environmental and Molecular Toxicology, North Carolina State University, Raleigh, NC 27695-7633. Website: http://www.tox.ncsu. edu. NC State is an Affirmative Action/Equal Opportunity

University of Southern California. The Department of Chemistry of the University of Southern California invites applications for a tenure-track position at the level of ASSISTANT PROFESSOR in the area of experimental physical chemistry, emphasizing biological applications in the condensed phase. The successful candidate will be expected to also interact with the Department of Biological Sciences. The candidate must contribute to the instructional program as well as maintain his or her own productive and independent research effort. Applicants should send curriculum vitae and research proposal as well as arrange for three letters of recommendation to be sent to: Chair, Department of Chemistry, University of Southern California, Los Angeles, CA 90089-1062. The deadline is November 20, 2001. USC is an Affirmative Action/Equal Opportunity Employment Employer.

# POSITIONS OPEN

# NIH 2001 = $[OPPORTUNITY]^N$

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#### POSTDOCTORAL POSITIONS

Postdoctoral positions are available in the area of mammalian stem cell biology, germ cell development, and signal transduction. A Doctoral degree in life sciences is required and experience in molecular biology, biochemistry, or developmental biology is desirable. Please send curriculum vitae to: Dr. Guang-Quan Zhao, Cecil H. and Ida Green Center for Reproductive Biology Sciences, University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75390-9051. Telephone: 214-648-8753; FAX: 214-648-5087; email: guang.zhao@utsouthwestern.edu.

A POSTDOCTORAL FELLOWSHIP is immediately available to study the electrophysiology of neural stem cells in retina and ciliary body. Expertise in electrophysiology is necessary and skill in cell culture is desirable. Send résumé and three letters of reference to: Iqbal Admad/Wallace B. Thoreson, Ph.D., Associate Professors, Ophthalmology and Pharmacology, University of Nebraska Medical Center, 985540 Nebraska Medical Center, Omaha, NE 68198-5540. E-mail: iahmad@unmc.edu and wbthores@unmc.edu. Equal Opportunity/Affirmative Action Employer. Minorities and women are encouraged to apply.

POSTDOCTORAL POSITION at the University of Michigan available in a laboratory focused on the interrelationships between hematopoietic stem cells and their microenvironment. Experience with cell biology, adhesion assays, gene knockout mice, signaling, cocultural assays with progenitor cells, and molecular biology desirable. Send curriculum vitae, pertinent publications, and three references to: Dr. R. Taichman, Department of Periodontics/Prevention/Geriatrics, University of Michigan School of Dentistry, 1011 North University Avenue, Ann Arbor, MI 48109-1076. E-mail: rtaich@umich.edu. Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study the signal transduction of cell wall development in budding yeast. Position is open until filled. Send applications (curriculum vitae, research experience, and references) to: David E. Levi, Ph.D., Department of Biochemistry and Molecular Biology, The Johns Hopkins University, SPH, 615 North Wolfe Street, Baltimore, MD 21205. E-mail: levin@welch.jhu.edu. Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.

A POSTDOCTORAL POSITION is available to study the molecular evolution of HIV and HCV using novel nucleic acid technologies. Experience in virology or nucleic acid amplification required. Send cover letter, curriculum vitae, and names of three references to: Dr. Eric Delwart, Blood Centers of the Pacific, Department of Medicine, University of California San Francisco, 270 Masonic Avenue, San Francisco, CA94118. E-mail: delwarte@medicine.ucsf.edu.

POSTDOCTORAL POSITION to study innate immune responses to intestinal bacteria (see Infect. Immun. 68:5567, 2000). M.D. or Ph.D. with experience in molecular biology/immunology. NIH funded. Contact: Maureen Garron, Senior Administrator, Pediatric Gastroenterology Unit, Massachusetts General Hospital East, Building 114, 16th Street, Charlestown, MA 02129. Telephone: 617-726-4166; FAX: 617-726-4172; e-mail: mgarron@partners.org.

# **POSITIONS OPEN**

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

#### ASSISTANT PROFESSORSHIPS ORGANIC CHEMISTRY AND CHEMICAL BIOLOGY Harvard University

# Department of Chemistry and Chemical Biology

Applicants are invited to apply for Assistant Professorships in organic chemistry and chemical biology. Fields of particular interest include target-oriented and diversity-oriented synthetic organic chemistry, advanced organic materials, chemical genetics, mechanistically focused genomics and proteomics, and macromolecular structure and function, although candidates in all areas of organic chemistry, broadly speaking, will be considered.

Applicants should arrange to have three letters of recommendation sent independently and should provide curriculum vitae, a list of publications, and outlines of two future research projects. Applications and supporting materials should be sent to: Chair, c/o Ms. Carol Gonzaga, Department of Chemistry and Chemical Biology, Harvard University, 12 Oxford Street, Cambridge, MA 02138-2902. Harvard University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women and minority group members.

# STAFF SCIENTIST Hemoglobin Biochemistry and Physiology

Sangart is a development-stage biomedical company with strong University-based collaborations and is seeking an individual to design and perform experiments related to hemoglobin-based oxygen carriers. A Ph.D. (or equivalent), a background in hemoglobin physical chemistry, and familiarity with hemoglobin physiology (including transport of respiratory gases) are preferred. The focus of the research is on the correlation of the properties of modified hemoglobins with physiological and toxicological studies. Two to three years of postdoctoral experience desired but not required. The position offers exceptional academic and commercial growth potential. See company website: http://www.sangart.com. Send résumé to: Ms. Hanna Meyn, Sangart, Inc., 11189 Sorrento Valley Road, Suite L, San Diego, CA 92121. Email: hmeyn@sangart.com.

POSTDOCTORAL POSITIONS in immunology are available immediately to study the molecular mechanisms of T lymphocyte development. Highly motivated candidates with strong background in immunology and/or molecular biology are required. See website: http://immunology.mc.duke.edu/fac\_pri\_he.htm. Send curriculum vitae and three references to: Dr. You-Wen He, Department of Immunology, Duke University Medical Center, Box 3010, Durham, NC 27710. E-mail: he000004@mc.duke.edu. Duke University is an Equal Opportunity/Affirmative Action Employer.

# UNIVERSITY OF TORONTO FACULTY OF PHARMACY Assistant ProfessoR

Applications are invited for a tenure-track position in Molecular Toxicology at the Assistant Professor level. Existing departmental interests include developmental toxicology, neurotoxicology, biochemical toxicology and immunotoxicology. In addition to establishing an independent research program and supervising graduate students in the Graduate Department of Pharmaceutical Sciences, the successful candidate will be responsible for the delivery of an undergraduate half-course in the biochemistry of disease and contribute to undergraduate and graduate courses in toxicology.

The successful candidate must have a Ph.D. degree with relevant postdoctoral training. He/she should have published evidence of a strong biochemical and molecular genetic background and preferably established an independent research program evidenced by publications and extramural grant support.

Applicants should submit a current curriculum vitae, reprints of recent publications, an outline of future research plans and, arrange to have three letters of reference sent to:

Dr. K. Wayne Hindmarsh Dean, Faculty of Pharmacy University of Toronto 19 Russell Street Toronto, Ontario Canada, M5S 2S2

Tel.: 416/978-2880 FAX: 416/978-8511 E-mail: wayne.hindmarsh@utoronto.ca

Deadline for applications: October 31, 2001

The University of Toronto is strongly committed to diversity within its community. The University especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, and others who may contribute to further diversification of ideas.

# **A**NNOUNCEMENTS



# Understanding ATM

An International Workshop on Ataxia-Telangiectasia and the ATM Protein

11-15 November 2001, Herzliya, Israel

The scientific program will consist of plenary lecture sessions and poster sessions. The program will focus on the following subjects:

- Biochemical and functional analysis of the ATM and ATR proteins
- Animal models and compound phenotypes involving ATM deficiency
- \* ATM-dependent gene expression
- \* The neurological aspects of A-T
- \* Consequences of sequence alterations in the ATM gene
- \* The Nijmegen breakage syndrome and the Mre11 complex
- \* The BLM and WRN proteins and associated syndromes

Registration, hotel reservations and abstract submission will be done through the Meeting web site:

http://www.congress.co.il/ATM

Deadline for abstract submission: September 28, 2001

Organizing Committee:

Yossi Shiloh, Tel Aviv University (Chair) Ari Barzilai, Tel Aviv University Moshe Oren, Weizmann Institute of Science Yael Ziv, Tel Aviv University

Contact information is available at the Meeting web site.



GeneFormatics, Inc., a world leader in structural proteomics, is focused on generating novel protein three-dimensional structural and functional information on an unprecedented scale. At GeneFormatics, you will have a unique opportunity to join a multidisciplinary team solving the massive challenge of genome analysis and annotation by bringing to bear integrated technologies in structural biology: in silico structure/function prediction, molecular biology, enzymology, biochemistry, biophysics, NMR spectroscopy, and X-ray crystallography. The company believes that its integrated structural proteomics approach is the most efficient path to unlocking the secrets of the genome and identifying novel targets that will facilitate the discovery of new medicines and create a healthier world.

# **Director Research Partnerships**

Immediate opening in the science organization for someone responsible for overseeing the scientific direction of research collaborations. This position will report directly to the CSO. Primary responsibilities will include traveling with sales and business development staff to present GeneFormatics' science and technology to potential customers and collaborators and to answer scientific questions. Will also assist with preparing proposals for customers and partners ensuring a consistently high level of scientific accuracy and applicability and will coordinate project teams and work with those teams to ensure that projects are kept on time and results are delivered to maximize customer satisfaction within the bounds of technology. The ideal candidate will have a PhD and extensive experience in studying protein structure and function, both experimentally and computationally. Excellent presentation skills and an enthusiastic style in representing GeneFormatics' science and technology are essential. The candidate must have experience in genomic and proteomic analysis, and demonstrate an understanding of the applicability of genomic and proteomic data to pharmaceutical drug or agricultural product discovery. Industry or commercial experience is essential. Candidates must also have proven people skills: dealing with potential customers or partners, interacting with peers to accomplish projects, and project management. Candidates must be able to travel both domestically and internationally. Travel is anticipated to be approximately 30-50%.

# Senior Scientist/Staff Scientist Protein NMR Spectroscopy

Opportunities exist for protein NMR spectroscopists interested in applying state-of-the-art biomolecular NMR techniques to the analysis of the structure, function, and ligand-binding properties of high-value proteins revealed by genomics research. Work will be performed on high field NMR spectrometers equipped with cryoprobes. High-throughput structural characterization of proteins will be accomplished using advanced proprietary software for automated NMR data analysis. Candidates should possess a Ph. D. with postdoctoral training and a strong publication record. Experience in a pharmaceutical discovery environment involving the integration of protein NMR methods with small molecule screening efforts would be a plus.

# Research Associate - Protein Expression and Biochemical/Biophysical Characterization

An immediate opportunity exists for an individual with a first-rate background in molecular biology, biochemistry, and protein expression. Candidates should preferably have experience in large-scale protein sample production for structural biology purposes. You will join a committed team of expression experts working closely with structural biologists to generate thousands of novel recombinant proteins for structural, biophysical, and biochemical characterization. You will also join with an assay development team to devise and perform creative biochemical screens for in vitro activities. A BS/MS (or equivalent) and at least three years of relevant laboratory experience are required.

We offer competitive salary, benefits, and equity participation and an unparalleled potential for job satisfaction and career growth. Interested candidates should send their curriculum vitae along with references to: GeneFormatics, Inc., 5830 Oberlin Drive, Suite 200, San Diego, CA 92121-3754, Attn: Human Resources

#### SCIENTISTS

The Department of Pathology and Laboratory Medicine at The Children's Hospital of Philadelphia invites applications for several faculty positions in the University of Pennsylvania School of Medicine. The rank of ASSISTANT/ASSOCIATE/FULL PRO-FESSOR in the tenure track is dependent upon experience and academic activity. These positions will be available beginning July 1, 2001. The candidates should have an M.D., Ph.D., or M.D./Ph.D. with a strong research program. Candidates with clinical expertise should be Board eligible/certified in anatomic or clinical pathology from the American Board of Pathology and should be eligible for an unrestricted medical license in the Commonwealth of Pennsylvania. Particular research concentration in areas of transplantation immunobiology, diabetes, molecular pathology, or stem cell biology is desirable. Individuals should have an independent track record in one of these areas and should have shown the ability to participate in the training of both graduate and medical students. The environment within The Children's Hospital of Philadelphia and the University of Pennsylvania for both collaborative basic and clinical research is outstanding. Curriculum vitae; a statement describing previous experience; and the names of three references should be submitted by January 31, 2002, to: Bryan A. Wolf, M.D., Ph.D., Chair, Department of Pathology and Laboratory Medicine, The Children's Hospital of Philadelphia, 5135 Main 34th Street and Civic Center Boulevard, Philadelphia, PA 19104-4399. The Children's Hospital of Philadelphia and the University of Pennsylvania is an Equal/Affirmative Action Employer. Women and minority candidates are strongly encouraged to apply.

#### DEVELOPMENTAL BIOLOGIST

Tenure-track position starting July 2002 at ASSIST-ANT PROFESSOR level with research specialization in animal developmental biology. Candidates should have Ph.D., strong commitment to both teaching and research, and interest and ability to engage undergraduates in research. Teaching responsibilities include lecture and laboratory sections of a sophomore core course, either in cell biology or in physiology and development of plants and animals, and an upper-level elective in eukaryotic developmental biology. The successful candidate will occasionally contribute to the general education curriculum. Participation in our interdisciplinary Biological Foundations of Behavior program (which offers majors in neuroscience and animal behavior and affords interactions with faculty and students interested in neural, cognitive, and behavioral development at all levels) is highly desirable. Franklin & Marshall College enrolls 1,800 students; it is a coeducational, liberal arts college with a tradition of excellence in science and student research. Applications should include curriculum vitae; statements of teaching and research experience, philosophy, and plans; copies of undergraduate and graduate transcripts; plus letters sent from three references. Review of applications will begin October 8, 2001. Send applications to: Kirk Miller, Search Committee Chair, Department of Biology, Franklin & Marshall College, Lancaster, PA 17604-3003. Telephone: 717-291-4118; FAX: 717-358-4548; email: c\_mcintyre@fandm.edu; website: http:// www.fandm.edu/Departments/Biology. Equal Opportunity Employer/Affirmative Action. The College is committed to cultural pluralism through the hiring of minorities

POSTDOCTORAL POSITION in neurobiology available to study cellular excitability. Electrophysiology experience as demonstrated by quality publication is required. Knowledge of amino acid oxidation, mitochrondrial function, aging, cell biology, molecular biology, and/or optical methods is strongly desirable. Send curriculum vitae, names of references, and description of previous research experience to: T. Hoshi, Ph.D., Department of Physiology and Biophysics, The University of Iowa, Iowa City, IA 52242. E-mail: hoshi@hoshi.org; website: http://www.hoshi.org. The University of Iowa is an Equal Opportunity/Affirmative Action Employer.

# **POSITIONS OPEN**

#### ASSISTANT SCIENTIST

GenApps Inc., an agricultural research and biotechnology company located near Lexington, Kentucky, has an Assistant Scientist position available immediately. Qualified applicants should possess an M.S. degree in biology/molecular biology or related field. Three years of laboratory experience emphasizing molecular biology are required and a background in application of recombinant nucleic acid techniques in plants is preferred. Knowledge of and skills in gene expression analysis and/or enzyme activity assays are desired. Qualified applicant must be able to provide technical expertise and intellectural support to meet technically challenging program objectives and assist in developing new research projects. Must possess accurate oral and written communication skills, computer skills, and the ability to independently perform assigned duties in varied environments including laboratory and greenhouse. We offer competitive wages, excellent company benefits, and the opportunity to become part of a dynamic organization. If you meet the above qualifications and wish to explore this opportunity further, please send your résumé with salary history/requirements and references to:

#### GenApps Inc. Attention: Human Resources Coordinator P.O. Box 237 Winchester, KY 40391

Equal Employment Opportunity/Minorities/Females/Veterans/Disabled.

# CHAIR

# Department of Molecular Biology and Microbiology

Case Western Reserve University School of Medicine seeks an outstanding Scientist and leader to head its Department of Molecular Biology and Microbiology. This is a new search designed to focus on molecular microbiology. The next Chair will have an excellent opportunity to develop new research directions for the Department, and we welcome candidates with strong records of accomplishment in basic research and training in any area of contemporary molecular microbiology. Applicants should also want to foster interactions with other departments of the medical school, which has an unusually open and collaborative environment.

Interested candidates should send curriculum vitae, brief letter outlining their current and projected research, and contact information for three to five references to: Search Committee for Molecular Biology and Microbiology Chair, c/o Michael E. Lamm, M.D., BRB 924, Case Western Reserve University School of Medicine, 10900 Euclid Avenue, Cleveland, OH 44106-4943. E-mail: mel6@po.cwru.edu. Case Western Reserve University in Affirmative Action/Equal Opportunity Employer. Women and minority group members are encouraged to apply.

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

A POSTDOCTORAL POSITION is available immediately in an U.S. Department of Agriculture-funded project on protein glycation and clostridial growth and metabolism. Candidates should have a strong background in bacterial physiology and molecular biology and be able to work independently. Please send curriculum vitae and names of three references to: Dr. Eva Kashket, Department of Microbiology, Boston University School of Medicine, 715 Albany Street, Room L504, Boston, MA 02118-2526. E-mail: ekashket@bu.edu.

#### POSITIONS OPEN

#### FACULTY POSITIONS Microbiology

As part of an aggressive building program in the School of Biology, the Georgia Institute of Technology is seeking applicants for several tenure-track positions at the level of ASSISTANT/ASSOCIATE PROFESSOR in the areas of microbial genetics, microbial evolution, and microbial signaling (among microbes and between microbes and hosts). Successful applicants are expected to establish an active program of funded research and to teach in the B.S. and Ph.D. programs. Applicants should send résumé, a statement of research and teaching interests, and have three references send letters of recommendation to: Microbiology Search Committee, School of Biology, Georgia Institute of Technology, Atlanta, GA 30332-0230. Website: http://www.biology. gatech.edu. Applications will be considered beginning October 15, 2001. Georgia Tech is an Equal Education/Employment Opportunity Institution.

POSTDOCTORAL POSITION available for a highly motivated individual to study molecular mechanisms of hormone signal transduction in arthropods of medical and agricultural importance. We have cloned arthropod G protein-coupled receptors and are characterizing them functionally by calcium imaging analysis and/or cAMP measurements. Studies involve culture of mammalian and Drosophila cell lines, immunohistochemistry, etc. Laboratory is funded by federal and state grants. Ph.D. required with experience in molecular biology and biochemistry (Northern blots, RT-PCR, etc.) and command of spoken and written English. Salary commensurate with experience. Excellent facilities and current collaboration with the Image Analysis Laboratory. Send curriculum vitae; list of courses taken; publication list; statement of interests; and names, addresses, and e-mail addresses of three references to: Dr. P. V. Pietrantonio, Department of Entomology, Texas A&M University, College Station, TX 77843-2475. Telephone: 979-845-9728; e-mail: p-pietrantonio@ tamu.edu. TAMU is an Affirmative Action/Equal Opportunity Employer committed to diversity.

Scientist or Clinician Scientist at Wake Forest University School of Medicine: The Section on Pulmonary and Critical Care Medicine seeks an M.D., Ph.D., or M.D./Ph.D. Investigator in mechanisms of immunoinflammatory lung diseases. Well-recognized strengths are established in these areas, and the University is committed to further expansion of such research as it relates to the lung. The specific area of interest is less important than the track record of the individual. The appointment can be at the ASSIST-ANT or ASSOCIATE PROFESSOR level. A strong research background with demonstrated productivity in publications and funding appropriate to the academic level is critical. Curriculum vitae and names and addresses of three references should be sent to: Dr. David A. Bass, Director, Pulmonary Center of Excellence, Wake Forest University School of Medicine, Medical Center Boulevard, Winston-Salem, NC 27157-1054. Electronic applications acceptable to e-mail: dbass@wfubmc.edu. Affirmative Action/Equal Opportunity Employer.

# TECHNICAL DIRECTOR NUCLEIC ACID FACILITY

The University of Pennsylvania invites applications from individuals with experience in the synthesis and purification of oligonucleotides and their analogs to supervise a facility supplying these molecules to a large biomedical research faculty in several schools. Opportunities to participate in and initiate research projects are possible. Candidates with a Ph.D. and postdoctoral experience with automated synthesizers are preferred. Recent Ph.D.s with synthetic chemistry backgrounds looking for an opportunity to move into biotechnology will be considered. Send curriculum vitae and names of references to: Professor Ponzy Lu, Department of Chemistry, University of Pennsylvania, Philadelphia, PA 19104-6323. E-mail: chemdna@mail.med. upenn.edu

## Faculty position in Atmospheric Sciences Scripps Institution of Oceanography University of California, San Diego

Scripps Institution of Oceanography invites applications for an Associate or Full Professor (tenured) in the general area of atmospheric physics, chemistry and dynamics with emphasis on climate sciences. Areas of interest include, but are not limited to: the role of aerosols and clouds in climate, modeling of the atmosphere pertinent to current climate change problems, and the role of large and mesoscale dynamics in climate. We seek a distinguished scientist and educator with a vigorous research program who also has the ability and interest to interact with and to provide intellectual leadership in climate related issues to the broader Scripps community of marine scientists.

The successful candidate will be expected to teach graduate level courses, both in the general area of atmospheric science as well as in specialized areas of research, and will be encouraged to participate in undergraduate teaching at UCSD. Salary will be commensurate with experience and qualifications and based on the UC pay scale. The position requires a Ph.D. degree and a competitive record of publications, as well as evidence of the ability to conduct and fund an active research program.

Applications and inquiries should be addressed to the Chair, Atmospheric Science Search Committee, Dept. of the Scripps Institution of Oceanography, University of California, San Diego, 9500 Gilman Dr., La Jolla, CA 92093-0208. The position is open until filled. Applications received by November 1, 2001 will receive full consideration.

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

# Syntonix PHARMACEUTICALS, INC.

Join a Dynamic Neш Company

Syntonix has several available Senior Scientist and Associate job openings, and is currently interviewing qualified candidates, All Senior Scientist positions require a Ph.D. in Immunology, Molecular Biology, Cell Biology, Biochemistry, Pharmacology or a closely related discipline and 1-5 vears of relevant experience. All Senior Scientists are "hands-on" and require an ability to work effectively in a small, but fast-paced. organization, perform multiple diverse tasks, and supervise technical professionals. Preference will be given to candidates with a background in oral, nasal or pulmonary

If you have an entrepreneurial spirit and a desire to work as part of a small, interdisciplinary team, this is an ideal opportunity to grow with the company. All current openings are available at: www.syntnx.com

delivery of therapeutic proteins.

# **Analytical Development Biopharmaceutics**

The qualified individual will have significant experience in the quality control of therapeutic proteins. This position requires a Ph.D. in Blochemistry, Protein Chemistry, Pharmaceutical Sciences, Pharmaceutical Chemistry, Chemistry, or related discipline with at least 5 years of experience characterizing proteins and developing bio-analytical assays.

# Cell Biologist/Epithelial Cell Transport

Experience in epithelial cell transcytosis and protein trafficking is required for the position. Will be responsible for characterizing in vitro transport mechanisms of recombinant fusion proteins in appropriate cell types. Biochemical characterization of transported proteins is also necessary. Requires a Ph.D. with 3-4 years of relevant experience in cell biology and molecular biology.

# Formulation Development/Drug Delivery

Experience in pharmaceutical pre-formulation and formulation development of therapeutic proteins or peptides, as well as experience developing novel drug delivery systems highly desirable. Candidates should have a Ph.D., in Pharmaceutical Sciences, Physical Pharmacy, Protein Chemistry, Chemical Engineering or related discipline with 10 years of relevant experience.

# Biopharmaceutics PK/Metabolism

This position requires a Ph.D. in Pharmaceutical Sciences, Pharmaceutical Chemistry, Pharmacology or related area with at least 5-10 years of experience in the pharmaceutical/ biotechnology field. Preference will be given to candidates with experience in dealing with administration of therapeutic proteins and an understanding of oral, nasal and pulmonary delivery systems.

# **Molecular Immunology**

Primarily responsible for making constructs and small-scale production of recombinant proteins for in vitro/in vivo studies in the area of immunomodulation and vaccination. The candidate should have extensive experience in the cloning and expression of recombinant proteins. Experience in protein purification is highly desirable. The candidate should also have background of immunology and vaccine related research. Requires a Ph.D. with 3-4 years of relevant experience in molecular biology or immunology or, alternatively, a MS with 7+ years of relevant biotechnology industry experience.

All candidates interested in expanding their career and becoming an integral team member are invited to submit a detailed letter and resume to: Syntonix Pharmaceuticals, Inc., Jeanette Kohlbrenner, Director of Human Resources, 9 Fourth Avenue, Waltham, MA 02451; Fax (781) 547-6008; Emaithumanresources@syntrx.com EOE.

For additional information, visit our website at: www.syntnx.com

New England Biolabs, a world leader in the manufacture and supply of reagents for Molecular and Cell Biology, has the following position available.



# Postdoctoral Fellow (C. elegans)

Position available immediately for a recent Ph.D. to study immunophilins and chitin-related enzymes in *Caenorhabditis elegans* and filarial parasites. The research involves the characterization of common genes and identification of potential targets for chemotherapy. Applicants should have a strong background in molecular biology and *C. elegans* genetics. In addition to competitive salary, New England Biolabs offers a very generous fringe benefits package. Attendance at meetings, publication of research results and open communication with others are encouraged.

Send a resume and three references to: **Dr. Clotilde** K.S. Carlow.

New England Biolabs, Inc. 32 Tozer Road Beverly, MA 01915

An Equal Opportunity Employer

# COLUMBIA UNIVERSITY

# COLLEGE OF PHYSICIANS AND SURGEONS

# CHAIR, DEPARTMENT OF PSYCHIATRY



The College of Physicians and Surgeons of Columbia University invites nominations and applications for the position of Chair of the Department of Psychiatry. The Chair, who serves as Director of the Psychiatry Service at the Columbia-Presbyterian Center of the New York-Presbyterian Hospital, oversees all educational, research, and clinical programs of the Department. The full-time and voluntary faculty, including the New York State Psychiatric Institute, totals more than 1,200. In addition to a 57 inpatient bed service, divided between the Columbia-Presbyterian and Allen Pavilion campuses of the New York-Presbyterian Hospital and a very active emergency service, the Psychiatric Institute houses a 22-bed community service and 36 research beds. Undergraduate and graduate medical education programs including the subspecialties of psychiatry are a high priority. The research portfolio of the Department is extensive and involves many interdepartmental and interschool collaborations at the Health Sciences. Extramural research funding exceeds \$70 million annually. Candidates must have an outstanding record of academic achievement and demonstrated evidence of leadership, clinical skills, and administrative ability. The College actively encourages applications from and nominations of women and minorities.

Please send inquires to: Psychiatry Search Committee, c/o Ellen Perez, 630 West 168th Street, P&S 2-401, New York, NY 10032

Columbia University is an affirmative action/equal opportunity employer.

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

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

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BIOCHEMISTRY, tenure track, beginning fall 2002. The Chemistry Department at Lawrence University, a liberal arts college dedicated to excellence in undergraduate education, seeks an outstanding Teacher who is also committed to research that will involve undergraduates and address significant questions at the interface of chemistry and biology. We anticipate hiring at the ASSISTANT PROFESSOR level, but candidates at the ASSOCIATE PROFES-SOR level will also be considered. Teaching will include courses in biochemistry plus some introductory and/or organic chemistry. Department members also participate in Freshman Studies, a collegewide firstyear program. Research interests in protein biochemistry or proteomics would complement institutional strengths in molecular biology and biophysical chemistry. For further description of the position, Department, and new science building, see website: http://www.lawrence.edu/dept/chemistry. Ph.D. in biochemistry or related field required; postdoctoral research and/or teaching preferred. Send curriculum vitae, statements of teaching philosophy and research plans, undergraduate and graduate transcripts, and arrange for three letters of recommendation to: Jerrold P. Lokensgard, Chair, Department of Chemistry, Lawrence University, Appleton, WI 54912-0599. Review of applications will begin November 1, 2001, and continue until the position is filled. Affirmative Action/Equal Opportunity Employ

POSTDOCTORAL POSITIONS in biophysical chemistry. Salary up to \$40,000. This work on solvent effects on protein structure/function involves collaborations among academic and industry laboratories in a highly interactive environment. Candidates must have a strong background in biophysics with proficiency in two or more areas involving calorimetry, velocimetry, solution thermodynamics, isopiestic measurements, stopped flow, protein crystallization, use of radioisotopes, protein expression/purification, computational modeling, and peptide synthesis. Send curriculum vitae and the names and contact information of three references to: Dr. D. W. Bolen, Department of HBCG, University of Texas Medical Branch, 5.154 MRB, Galveston, TX 77555-1052. Telephone: 409-772-0754; FAX: 409-747-4751; e-mail: wbolen@hbcg.utmb.edu. UTMB is an Equal Opportunity/Affirmative Action/Minority/Female/Disabled/ Veteran Employer.

# **POSITIONS OPEN**



# CEDARS-SINAI MEDICAL CENTER.

# POSTDOCTORAL/RESEARCH ASSOCIATE Biomedical Optics

The Biophotonics Research and Technology Development Laboratory at Cedars-Sinai Medical Center invites applicants for a Postdoctoral position in optical diagnostic technology for biomedical applications. Applicants should have experience in experimental research in optical instrumentation (lasers, spectroscopic instruments, optical fibers, and solidstate detectors); programming (C/C++, Matlab); and software control of instrumentation. Experience with short-pulse lasers, fluorescence spectroscopy, optical imaging, and LabView programming is a plus. The successful candidate will work on an NIH-funded multidisciplinary project focused on research/development of optical device for research and clinical evaluation of diseased tissue (vulnerable arterial atherosclerotic plaques, tumors). Candidates must have a Ph.D. in physics, applied physics, electrical engineering, biomedical engineering, or other closely related areas. Send curriculum vitae and names of three references to: Dr. Laura Marcu, Biophotonics Laboratory, 650 South San Vicente Boulevard, Los Angeles, CA 90048, Cedars-Sinai Medical Center Research Institute/University of Southern California, Biomedical Engineering. E-mail: lmarcu@ bmsrs.usc.edu

#### POSTDOCTORAL POSITION

A Postdoctoral position is available immediately to study gene regulation in Neisseria gonorrhoeae by the transcriptional regulatory protein Fur. The project will use a multidisciplinary approach to compare gonococcal gene expression in vitro and in vivo. Candidates should be experienced in molecular biology, bacterial genetics, and cell biology. The preferred candidate will be highly motivated and have demonstrated experience and proficiency in oral and written communication skills. The salary will be commensurate with experience and the appointment is for two to three years. Send curriculum vitae with names of three references and relevant reprints to: Dr. Caroline Attardo Genco, Department of Medicine, Section of Infectious Diseases, Boston University School of Medicine, 650 Albany Street, Boston, MA 02118. FAX: 617-414-5280; e-mail: caroline.genco@ bmc.org.

# 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 clinical practice, industry, optometric faculty positions, and research. Contact: Admissions Office, Department S, 424 Beacon Street, Boston, MA 02115. Telephone: 1-800-824-5526; e-mail: admissio@ne-optometry.edu. Additional information, see website: http://www.ne-optometry.edu. Application deadline: March 1, 2002.

## POSTDOCTORAL FELLOWSHIPS AVAILABLE

Two Postdoctoral Fellowships are immediately available for those interested in studying the tumor suppressor genes and oncogenes involved in premaligant lesions and transformation of human breast and ovarian cancer. Candidates must have a strong background in cancer molecular biology. Send your curriculum vitae and the names and telephone numbers of three professional references to: Jinsong Liu, M.D., Ph.D., Department of Pathology, Box 85, The University of Texas M. D. Anderson Cancer Center, 1515 Holcombe, Houston, TX 77030-4095. Telephone: 713-745-1102; FAX: 713-792-5529; e-mail: jliu@mdacc.tmc.edu.

#### POSITIONS OPEN

# FIELD PHYSIOLOGIST COMPARATIVE PHYSIOLOGY

The Department of Zoology at the University of British Columbia invites applications for a tenure-track position at the ASSISTANT PROFESSOR level in field physiology. We are seeking a Physiologist working on whole animals in a field setting using innovative techniques such as remote sensing of physiological functions. The Zoology Department is especially interested in an individual who will overlap intellectually with the core group of Comparative Physiologists in the Department and who can also interact with a broad-based group of Ecologists and Evolutionary Biologists. The successful candidate will be expected to develop and sustain a strong, externally funded research program that involves the training of graduate students and will also be expected to contribute to teaching core courses in comparative physiology at the undergraduate and graduate levels

Applications should contain curriculum vitae and a summary of research and teaching interests and should be sent to: Dr. J.M. Gosline, Head, Department of Zoology, University of British Columbia, 6270 University Boulevard, Vancouver, BC V6T 1Z4 Canada. FAX: 604-822-5780; e-mail: head@zoology.ubc.ca. Applicants should also arrange for three letters of reference to be sent by the closing date of September 30, 2001. The expected starting date will be July 1, 2002, and salary will be commensurate with experience. Appointment is subject to final budgetary approval for positions funded from the general purpose operating fund of the University of British Columbia.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of British Columbia hires on the basis of merit and is committed to Employment Equity. We encourage all qualified persons to apply.

We have two POSTDOCTORAL POSITIONS available immediately to study cytoskeletal remodeling in epithelial cells by villin. The studies will investigate the molecular basis of tyrosine phosphorylation-mediated regulation of villin's actin severing properties. These positions are part of an NIH-funded research project studying the role of villin in epithelial cell signal transduction. Requirements include a Ph.D. or equivalent in cell biology or related field and experience with cell culture, molecular biology, and protein chemistry. Studies involve the use of three specific models: in vitro studies using the recombinant protein, cell culture models expressing specific mutants of villin, and in vivo studies in the villin knockout mice. Cytoskeletal dynamics in living cells will be studied using advanced optical and biophysical techniques. Experience or interest in proteomics, computer-assisted image analysis, and cytomechanics is desirable. Send curriculum vitae and the names of three references to: Dr. Seema Khurana, Department of Physiology, University of Tennessee Health Science Center, 894 Union Avenue, Nash 402, Memphis, TN 38163. E-mail: skhurana@utmem.edu; FAX: 901-448-3505. The University of Tennessee is an Equal Opportunity Employer/Affirmative Action/Title VI/ Title IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Employer.

# POSTDOCTORAL POSITION

A Postdoctoral position is available immediately to study cell signaling and inflammatory responses in Porphyromonas gingivalis-infected endothelial cells. Candidates should be experienced in cell biology, immunology, and biochemistry. The preferred candidate will be highly motivated and have demonstrated experience and proficiency in oral and written communication skills. The salary will be commensurate with experience, and the appointment is for two or three years. Send curriculum vitae with names of three references and relevant reprints to: Dr. Caroline Attardo Genco, Department of Medicine, Section of Infectious Diseases, Boston University School of Medicine, 650 Albany Street, Boston, MA 02118. FAX: 617-414-5280; e-mail caroline.genco@ bmc.org

# **Faculty Position Electrophysiology/Membrane Transport**

The Department of Physiology and Biophysics at Case Western Reserve University invites applications for a Tenure Track position at the Assistant Professor level. Individuals capable of establishing an independent, extramurally funded research program implementing a biophysical approach to study ion channels and/or membrane transporters are encouraged to apply. Although all outstanding candidates will be considered, we especially encourage applications from individuals interested in ion channel structure/function and individuals with experience using fluorescence imaging techniques to study signaling mechanisms regulating membrane transport. The Department offers a highly competitive compensation package, generous start-up funds, state-ofthe-art research facilities, and a highly interactive research environment. A major strength of the Department is the combination of faculty working on various aspects of membrane transport, structural biology, cell biology, and integrated systems biology. Review of applications will begin immediately and continue until the posi-

Interested candidates should submit their curriculum vitae, a brief statement of research interests, reprints of three representative publications, and contact information for four references to: Dr. Robert Harvey, Membrane Transport Faculty Search, Department of Physiology and Biophysics, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-4970. Email address: rdh3@po.cwru.edu. Website: http://physiology.cwru.edu.

Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer



# NATIONAL UNIVERSITY of SINGAPORE DEPARTMENT OF MATERIALS SCIENCE **Faculty Appointments**

National University of Singapore (NUS) invites applications for full-time tenure track faculty positions in the Department of Materials Science.

The Department of Materials Science offers an interdisciplinary program of materials science and engineering leading to an undergraduate degree awarded in materials science. Appointments as Assistant Professor, Associate Professor and Professor will be considered. Candidates at the Assistant Professor level would normally have a PhD and several years of postdoctoral experience. NUS is in the same league as the "Research 1 universities" in USA (Carnegie Classification), and the faculty can expect the same salary levels and research support as these top universities. Both the Department and the University provide strong research support with access to some of the most extensive and modern facilities available in the world. Staff are encouraged to hold adjunct or joint appointments with appropriate Research Institutes and Centres located on or near the campus.

Applications are invited for faculty appointments at any level with a preference for the following areas:

Biomedical, Life or Tissue Engineering Materials

Nanostructures and Nanotechnology High-Resolution Microscopy, Characterization and Analysis

Engineering Science Microelectronics and Packaging Materials

Successful candidates are expected to teach undergraduate and graduate courses, supervise master and doctoral students, establish very strong research programs that generate external funding and scholarship and intellectual output typical of that of a research-intensive university in US or UK, and perform some amount of administrative work. Visiting appointments may also be considered. Salary would be commensurate with qualifications and ample benefits will be provided.

Outstanding individuals with strong commitment to teaching and research are encouraged to send their applications supported by a full curriculum vitae, research plan and the names and addresses of three referees to:

**Faculty Search Committee** Department of Materials Science Faculty of Science National University of Singapore Kent Ridge 119260, Republic of Singapore http://www.matsci.nus.edu.sg E-mail: massearch@nus.edu.sg Telephone: (+65) 874 3325 Facsimile: (+65) 776 3604

The search for suitably qualified candidates will continue until positions are filled. Visit our website at http://www.matsci.nus.edu.sg for links to information on the Department, the University, terms and conditions of service, and the application form.

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## The 2002 Events Calendar will publish in the 7 December 2001 issue of Science.

This pullout section will feature a comprehensive listing of important:

- meetings
- seminars conferences workshops

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telephone fax	Richard Walters +44 (0) 1223 326 500 +44 (0) 1223 326 532 afters @ science-int.co.uk

www.sciencecareers.org



## **FACULTY POSITION** Department of Chemistry The Ohio State University

The Department of Chemistry at The Ohio State University is soliciting applications for an anticipated tenure-track position to begin Autumn 2002. The department prefers to hire at the assistant professor level, but exceptional candidates at all levels will be considered. Specific target areas include any area of biochemistry or macromolecular crystallography, synthetic organic chemistry, and theoretical or experimental physical chemistry, but applications from any area of chemistry and biochemistry are welcome. Candidates should submit a curriculum vitae, undergraduate and graduate transcripts, a short description of future research plans, a statement of teaching interests, and arrange for three letters of recommendation to be sent directly to the search committee. Applications received before November 12 2001, will be given full consideration

Chair, Faculty Search Committee **Department of Chemistry** The Ohio State University 100 W. 18th Avenue Columbus, OH 43210 (614) 292-6504 FAX (614) 292-1685 e-mail: facultysearch@chemistry.ohiostate.edu Visit our Web site at: http://www.chemistry.ohio-state.edu

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

# **Yale University Faculty Position in Ecology**

The Department of Ecology and Evolutionary Biology at Yale University invites applications for an assistant professorship in ecology. We are interested in individuals doing research on populations, communities, and connections between levels, including those using behavior to connect levels. A record of achievement and a promising research program are more important than the specific research area. The Department of Ecology and Evolutionary Biology is a new and expanding department that is building strength in ecology.

Interested candidates should submit two copies of the their CVs, three relevant reprints or manuscripts, a brief research and teaching statement, and the names and addresses of four potential evaluators by October 5, 2001. Send all materials to:

> Stephen C. Stearns, Chair **Ecology Search Committee** Department of Ecology and **Evolutionary Biology** P.O. Box 208106 Yale University

New Haven, CT 06520-8106 E-mail: stephen.stearns@yale.edu

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RESEARCH ASSOCIATE/POSTDOCTORAL FELLOW POSITION
Blood and Marrow Transplantation Program of the Mary Babb Randolph Cancer Center Section of Hematology/Oncology Department of Medicine West Virginia School of Medicine

A position for a RESEARCH ASSOCIATE/ POSTDOCTORAL FELLOW is available in an established blood and marrow transplantation program. Main areas of research in the program include hematopoiesis, neutrophil function, and cellular and immune therapeutics. The successful candidate will primarily be involved in basic research investigating molecular signaling in neutrophil function. The candidate will also collaborate in translation research related to hematologic malignancies and hematopoietic stem cell transplantation. A Ph.D. or M.D. degree is required. Doctoral training in immunology and/or molecular biology is preferred. The Health Sciences Center at West Virginia University has a full complement of academic programs in the clinical and basic sciences and offers the advantage of a university setting in an area with reasonable cost of living, high quality of life, and easy access to abundant outdoor activities. The campus is approximately 70 miles south of Pittsburgh, Pennsylvania. The BMT program is NMDP-certified and serves as the referral center for West Virginia and the surrounding regions. Applications will be reviewed until the position is filled. Applicants should send a copy of their curriculum vitae, a letter addressing their qualifications, and names/addresses of three individuals who can provide references to: Solveig G. Ericson, M.D., Ph.D., Blood and Marrow Transplantation Program, West Virginia University, Department of Medicine, P.O. Box 9162, Morgantown, WV 26506-9162. E-mail: ericsons@rcbhsc.wvu.edu. West Virginia University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

#### POSTDOCTORAL FELLOW Ecosystem Modeling in East Africa

The Natural Resource Ecology Laboratory (NREL) at Colorado State University (CSU) and the International Livestock Research Institute (ILRI) in Nairobi announce the availability of a Postdoctoral Research Associate position in conjunction with a USAID Global Livestock Cooperative Research Support Program grant. The GL-CRSP project involves integrated assessments of pastoral-wildlife interactions focusing on people, policy, conservation, and livestock development in Kenya and Tanzania, East Africa. The position will be based at ILRI in Nairobi following a six-month training period at CSU. The applicant must have an in-depth understanding of ecosystem simulation modeling, experience with GIS, and a working knowledge of Fortran or C. Applicants should have a Ph.D. degree in the environmental sciences. Experience working in savanna or rangeland environments, wildlife, and biodiversity is desirable. Application deadline is September 30, 2001. The position will be filled starting on November 1, 2001, and is expected to be funded at least through September 2003. Starting salary is \$36,000 for 12 months plus

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. CSU is an Equal Employment Opportunity/Affirmative Action Employer. Equal Opportunity Office: 101 Student Services.

POSTDOCTORAL POSITION to study the antiangiogenic and other biological properties of pigmented epithelium-derived factor (PEDF). Candidates should have a recent Ph.D. in cell or molecular biology or biochemistry. Send curriculum vitae and names of three references to: Philip Patston, Ph.D., Department of Oral Medicine, MC 838, University of Illinois at Chicago, Chicago, IL 60612. E-mail: patston@uic.edu. UIC is an Equal Opportunity Employer.

# POSITIONS OPEN

#### POSTDOCTORAL IRTA POSITIONS AND TECHNICAL IRTA POSITION Rocky Mountain Laboratories Hamilton, Montana

Postdoctoral IRTA positions are available to study interactions between Salmonella typhimurium and eukaryotic host cells. We use cell biology, microbiology, and molecular biology methods to study invasion and intracellular survival of S. typhimurium and the effects on infected host cells. Projects are available to investigate the molecular mechanisms used by S. typhimurium to activate signal transduction systems in the host cell. These projects will involve live cell imaging, confocal microscopy, molecular biology, and protein biochemistry.

For the Technical IRTA position, applicants must have a Bachelor's or Master's degree in a biological science. Experience in molecular biology, cell culture, and some protein biochemistry would be advantageous but not essential. As well as doing experiments, the successful applicant will be expected to be responsible for general laboratory organization such as maintaining laboratory stocks and strains and should be willing to learn new techniques. Salary commensurate with experience/education.

The Rocky Mountain Laboratories (RML) branch of NIH has been almost completely renovated and has state-of-the-art facilities including BSL3 rooms, animal facilities, and excellent support services including confocal and electron microscopy. Investigators at the RML work on a variety of human pathogens. The laboratory is located in the beautiful Bitterroot Valley of western Montana with easy access to some of the best hiking, skiing, kayaking, mountain biking, and trout fishing in North America.

Please send curriculum vitae and three letters of reference to:

Olivia Steele-Mortimer, Ph.D.
Rocky Mountain Laboratories
Laboratory of Intracellular Parasites
NIAID, NIH
903 South Fourth Street
Hamilton, MT 59840
E-mail: omortimer@niaid.nih.gov

#### POSTDOCTORAL POSITION Molecular Mechanisms in Vertebrate Development

A Postdoctoral position is available immediately to study the molecular mechanisms controlling vertebrate development. Research areas include pattern formation in heart development and axon guidance of retinal ganglion cells. For more information, please visit website: http://www.umassmed.edu/cellbio/faculty/bao.cfm. Applicants must have a Ph.D. in biology. Expertise in molecular biology and developmental biology is highly desirable. Send curriculum vitae and three references to: Dr. Zheng-Zheng Bao, Department of Medicine, Two Biotech S219, University of Massachusetts Medical School, 373 Plantation Street, Worcester, MA 01605. E-mail: zheng.bao@umassmed.edu; FAX: 508-856-6176.

## POSTDOCTORAL POSITION

A Postdoctoral position is available immediately to study the structure and function of novel transporters of the Golgi apparatus (see Hirschberg, J. Clin Invest. 108:3, 2001; Berninsone and Hirschberg, Curr. Opin. Struct. Biol. 10:542, 2000). Applicants should have experience in either baculovirus-based protein expression and purification or in protein active-site modifications.

Applicants with exceptional publication record may be considered for a junior, research-track faculty position. Send curriculum vitae and three letters of recommendation to: Dr. Carlos B. Hirschburg, Department of Molecular and Cell Biology, Boston University Center for Advanced Biomedical Research, 700 Albany Street, Boston, MA 02118. E-mail: chirschb@bu.edu.

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# POSITIONS OPEN

#### ASSISTANT PROFESSORSHIPS AND POSTDOCTORAL FELLOWSHIPS IN NEUROSCIENCE

The Louisiana State University Health Sciences Center Neuroscience Center of Excellence is recruiting at least two Assistant Professors in the areas of synaptic physiology and molecular neurobiology. These independent Neuroscientists will complement the Scientists and interests below. The Center is housed in a new facility that includes 36,000 square feet of research space. Well-equipped, state-of-the-art laboratories and core resources are still expanding (e.g., tandem MS, multiphoton confocal microscope). The Neuroscience Center is home to a highly competitive, interdisciplinary Ph.D. program. Faculty members hold primary appointments in various Departments of the LSUHSC School of Medicine and receive attractive start-up packages. In addition, several other Neuroscientists with laboratories throughout the LSU Health Sciences Center campus and the University of New Orleans are jointly appointed in the Center. The wide range of joint appointments within the Center is broadly inclusive of both fundamental neurobiology and clinical neurosciences (website: http://www.neuroscience.lsuhsc.edu)

Postdoctoral Fellowship opportunities are also currently available in the following areas: **Rene Anand:** nicotinic acetylcholine receptor-mediated signaling in neuronal plasticity and survival.

Haydee Bazan: cellular and molecular signaling in wound repair and angiogenesis.

Nicolas Bazan: lipid synaptic signaling and modulation of gene expression; neuronal survival and neurodegeneration in the hippocampus and retina.

Chu Chen: neuromodulation of ionic channels and synaptic plasticity in hippocampal neurons.

Jeffrey Erickson: molecular and cellular biology of vesicular neurotransmitter transporters.

Walter Lukiw: Alzheimer's disease, neurotoxicology, and gene transcription.

Jeffery Magee: dendritic integration and synaptic physiology.

Anthony Ricci: single-cell physiology investigating calcium regulation of excitability in auditory sensory cells

Helene Varoqui: role of glutamine transporters in glutamatergic neurotransmission.

Faculty applicants should submit curriculum vitae, a three-to-five-page research plan (Postdoctoral candidates should send a description of their accomplishments up to today and aspirations), and names with full addresses (including e-mail) of three to four references. Send applications to: Nicolas G. Bazan, M.D., Ph.D., LSU Neuroscience Center, 2020 Gravier Street, Suite D, New Orleans, LA 70112. LSU Health Sciences Center is an Equal Employment Opportunity/Affirmative Action Employer.

## POSTDOCTORAL FELLOW Biochemistry of Chromosome Dynamics

Position is available to study enzyme complexes involved in meiotic chromosome dynamics (*PubMed* Wahls, W.P.). Initial salary of \$32,000 per year. Applicants must have experience in biochemical purification of proteins, peer-reviewed publications, and be fluent in written and spoken English. Experience with yeast methodologies and mass spectrometry would be helpful but is not essential. Send curriculum vitae and references to: Dr. Wayne Wahls, Vanderbilt University School of Medicine, 621 Light Hall, Nashville, TN 37232-0146. E-mail: wahlswp@ctrvax.vanderbilt.edu.

## POSTDOCTORAL POSITION Developmental Immunology

A Postdoctoral position is available immediately for a recent Ph.D. with experience in cellular immunology and molecular biology to study lymphocyte differentiation and pre-TCR signaling. Send curriculum vitae and names of three references to: Dr. J. C. Zúñiga-Pflücker, Department of Immunology, University of Toronto, 2075 Bayview Avenue, Room A331, Toronto, Ontario M4N 3M5 Canada. FAX: 416-480-4375.

# POSTDOCTORAL RESEARCH ASSOCIATE CELLULAR SIGNALING

A Postdoctoral position is available immediately to join an interdisciplinary research group studying cAMP signaling with unprecedented spatial and temporal resolution. We have genetically engineered cyclic nucleotide-gated (CNG) channels to be superb sensors of cAMP. The new adenovirus encoded sensors are being used in imaging and electrophysiology experiments to measure cAMP signals in both excitable and nonexcitable cells (e.g., J. Gen. Physiol. 116: 143, 2000; 116:147, 2000; 118:63, 2001) with the ultimate goal of understanding how cAMP is able to differentially regulate hundreds of cellular targets. A Ph.D. in an appropriate field and a keen interest in using quantitative approaches to studying cellular signaling processes are required. Experience in electrophysiology is desirable but not essential. The successful candidate will collaborate with Investigators having expertise in a broad array of techniques. Salary will be at the NIH level and commensurate with experience. The closing date for applications is October 15, 2001

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

Jeffrey W. Karpen, Ph.D.
Department of Physiology and Biophysics
University of Colorado Health Sciences Center
4200 East Ninth Avenue, Campus Box C240
Denver, CO 80262
Telephone: 303-315-8780
FAX: 303-315-8110
E-mail: jeffrey.karpen@uchsc.edu

#### POSTDOCTORAL FELLOW OR RESEARCH SCIENTIST

Two positions are available immediately to study the etiology of Parkinson's disease at the University of California, San Francisco. The appointments will be as either Postdoctoral Fellow or Research Scientist. For appointment as Research Scientist, two to three years of prior postdoctoral experience is required. The position in molecular biology will require experience in cloning, cell transfections, gene and protein expression systems, and protein purification. The position in analytical biochemistry will require experience in quantitative analysis methods, derivatization procedures, HPLC, and LC/MS. Experience must be demonstrable through publication record. To apply, send your résumé to: William J. Bodell, UCSF, Box 0555, San Francisco, CA 94143-0555. E-mail: bodell@itsa.ucsf.edu.

A POSTDOCTORAL RESEARCH opportunity is available in cell adhesion and signaling in vascular biology. Prior experience and training in one of the following is required: cell and molecular biology, protein biochemistry, or epifluorescence and confocal imaging. Investigations utilize cultured cells with genetically manipulated signaling protein expression, fluorescent protein chimeras, and the imaging of cellmatrix adhesion sites in living cells in real time. Starting salary: \$35,000 and opportunities for rapid career advancement for a qualified candidate. Please send complete curriculum vitae and three references (with contact information) to: Lew Romer, M.D., Departments of Anesthesiology and Critical Care and Cell Biology and Pediatrics, Johns Hopkins School of Medicine. E-mail: lromer@jhmi.edu; FAX: 410-502-5312.

# CELL MECHANICS

POSTDOCTORAL RESEARCH FELLOW-SHIP within a multidisciplinary group is available immediately to study cell mechanics/mechanorransduction in mammalian cells. Candidate should have backgrounds in cell biology and/or bioengineering. Send curriculum vitae to: Dr. Ning Wang, Physiology Program, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115. FAX: 617-432-3468; e-mail: payers@hsph.harvard.edu. Harvard University is an Affirmative Action/Equal Opportunity Employer.

# POSITIONS OPEN



# FRED HUTCHINSON CANCER RESEARCH CENTER

POSTDOCTORAL POSITION available fall 2001. Talented, dedicated Scientist sought to join team working in autoimmunity, immunogenetics, and pregnancy immunology. Reply to: Judith Nelson, M.D.; e-mail: Inelson@fred.fhcrc.org; FAX: 206-667-5255. Seattle, Washington.

POSTDOCTORAL POSITIONS are available immediately to study the roles of transcription factors, particularly the bHLH and POU-domain transcription factors, in the development of retinal neurons (Genes and Dev. 15:24-29; Dev. Biol. 210:469-480). Our laboratory utilizes mouse genetic approaches to identify the regulatory pathways of retinal cell differentiation. Successful candidates should possess exceptional organizational skills and have a Ph.D. with expertise in molecular biology, neurobiology, and/or mammalian genetics. The positions are fully supported for four years and salary will follow NIH guidelines. Interested individuals should submit curriculum vitae and names, e-mail addresses, and telephone numbers of three references to: Dr. Lin Gan, Center for Aging and Developmental Biology, Box 645, University of Rochester, 601 Elmwood Avenue, Rochester, NY 14642. E-mail: lin\_gan@urmc.rochester.edu; website: http:// www.urmc.rochester.edu/gebs/faculty/lin\_ gan.htm.

#### VIRTUAL REALITY AND VISUALIZATION RESEARCH SCIENTIST/ENGINEER East Carolina University

The College of Arts and Sciences and the Center for Interdisciplinary Instructional Technology Research (CITR) seek a Virtual Reality professional to join East Carolina University in one of the following departments: Biology, Chemistry, Computer Science, Geology, Mathematics, or Physics. This is a tenure-track position with open rank to begin January 2002.

Qualifications: The successful candidate will have a solid record in computational science and computer imaging, experience in developing real-time visualization simulations, and an interest in university-level teaching. The position requires a Ph.D., excellent written and oral communication skills, and a practical knowledge of immersive virtual reality software development tools. Experience with large 3-D equipment, 3-D tracking systems, and other similar devices is desired as is a grant and publication record in the academic discipline. The successful applicant will conduct research, develop a visualization curriculum, assist faculty colleagues in the use of visualization technology, and facilitate research and teaching collaborations that involve visualization technology. Appropriate service is expected. This position is half-time in the academic department and half-time as a Reseacher in CIITR.

Application process: To apply, send a cover letter, current curriculum vitae, statement of teaching and research interests, and names and addresses of three references to: Dr. Scott W. Snyder, College of Arts and Sciences, 1002 Bate Building, East Carolina University, Greenville, NC 27858-4353. Additional information about East Carolina University available at website: <a href="http://www.ecu.edu">http://www.ecu.edu</a>. The Search Committee will begin screening applications on September 15, 2001, and will continue the search and screening process until the position has been filled.

An Equal Employment Opportunity/Affirmative Action University that accommodates individuals with disabilities. Applicants must comply with provisions of the Immigration Reform and Control Act. Official transcript required upon employment.

# POSITIONS OPEN

# POSTDOCTORAL POSITION PROTEIN NMR SPECTROSCOPY

An NIH-funded position is available immediately in the Department of Chemistry and Chemical Biology at Rutgers University, New Jersey, to develop and apply NMR methods to study protein folding, dynamics, and structure. Projects include developing NMR to study the conformation dynamics and structure of unfolded, partially folded, and folded proteins and to understand the basis of human protein misfolding diseases such as amyloidosis and collagen brittle bone disease. The successful candidate should have a strong background in high-resolution biological NMR and experience in protein expression and purification. Interested candidates should send curriculum vitae and letters of reference to:

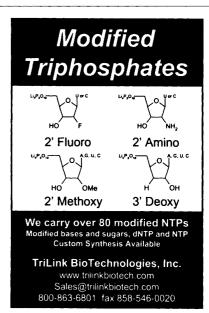
Professor Jean Baum
Department of Chemistry and Chemical Biology
Rutgers University
610 Taylor Road
Piscataway, NJ 08854-8087 U.S.A.
E-mail: baum@rutchem.rutgers.edu

POSTDOCTORAL POSITION at the University of Wisconsin-Madison available immediately to investigate the differentiation of human embryonic stem cells into cardiomyocytes (website: http://www.wisc.edu/cellsignaling/positions.html). Experience in patch clamp techniques, cardiac cell biology, and tissue culture needed. Salary will be commensurate with experience. Please send curriculum vitae, contact information for three references, and statement of research interests to: Timothy J. Kamp, M.D., Ph.D., H6/343 CSC, 600 Highland Avenue, Madison, WI 53711. E-mail: tjk@medicine.wisc.edu.

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