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NEW PRODUCTS

The Mathematical Explorer 1.0 Wolfram Research

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ry," is for anyone interested in mathematical fun and exploration. The program is full of fascinating problems from the history of mathematics.

Mathematical Explorer's intuitive Navigator makes it easy to access the program's contents. Among the more famous topics covered by the program are prime numbers, calculus, cryptography, the Four-Color Theorem, and the Riemann Hypothesis. As an example of program design, the section on Fermat's Last Theorem gives a brief background to the problem. The explanation serves as a springboard to introduce Diophantine equations (where whole-number solutions exist) and Catalan's equation (notorious among the unsolved integer equations). This can work on certain types of problems, which are organized into sections. In each section, a graphic solution can be obtained simply by using some of the equations given in the text (done easily with a <shift+enter> command). For anyone familiar with Wolfram's Mathematica program, the format, syntax, and commands will feel quite natural.

The software is good at illustrating interesting problems from everyday life that use some of these equations. To further explore topics, users may perform many of the numeric and symbolic calculations that are available in Mathematica. The heavy emphasis on graphics as a teaching tool works well for those who "think visually." Mathematical Explorer's functions also assist the user in pursuing variants of the standard calculations by which parts of each problem are investigated, providing perspective to the topics. The help browser is especially useful, and it provides easy access to the main libraries. The Reference Guide and Master Index greatly facilitate locating specific topics.

If the program can be faulted for anything, it will be for leaving the reader wanting much more. For example, the biographies are irritatingly short in almost all cases. (The section on the self-taught Indian genius Srinivasa Ramanujan says nothing of the content of his correspondence with G. H. Hardy or his early years at Cambridge; Isaac Newton is glossed over in six lines of text.) Some famous and fascinating mathematicians are left out entirely, such as Galois and Cauchy. Despite a few shortcomings, Mathematical Explorer is an outstanding way to learn more about mathematics.

The program comes on a CD and installs in less than a minute on computers with at least 400 MHz. The Windows version will run on Windows 95, 98, Me, NT, or 2000 as well as Mac OS 7.5.3 or later. It occupies only 120 MB of hard drive (130 on the Mac) and requires 32 MB of RAM. The review comments are based on the Windows version.

—John A. Wass

Architect Immunochemistry R&D, Abbott Laboratories, Abbott Park, IL 60064, USA.
E-mail: John.Wass@abbott.com

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FOR THE MATHEMATICALLY CURIOUS

The Mathematical Explorer, described by its developers Wolfram Research and Stan Wagon as "an invitation to interactively explore some of the most fascinating topics in mathematics from Ancient Greece up to the 21st century,"

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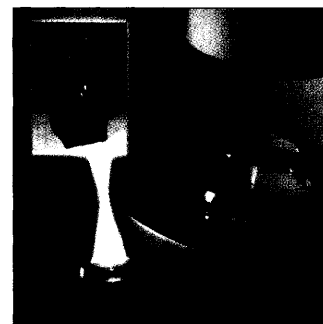
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CONTINUED ON PAGE 2289



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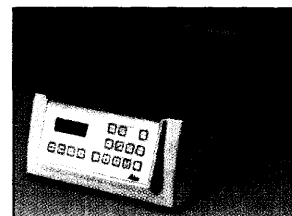
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LITERATURE

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POSITIONS OPEN



WILLIAMS PROFESSOR OF BIOINFORMATICS AND COMPUTATIONAL BIOLOGY Yale School of Medicine

The Yale School of Medicine is seeking to fill a recently endowed chair, the Williams Professor of Bioinformatics and Computational Biology. The Williams Professor is expected to be a Senior Investigator in the field with an international reputation for innovative research in bioinformatics and computational biology. The successful candidate will be expected to continue a strong research program and will also have the opportunity to recruit additional faculty in this area. It is anticipated that this group will play a leading role in advancing both basic and disease-related sciences at Yale. Individuals who wish to be considered for this position should submit curriculum vitae and a statement of research interests by June 30, 2002, to: **Chair of Search Committee, Yale School of Medicine, Boyer Center for Molecular Medicine, 295 Congress Avenue, P.O. 9812, New Haven, CT 06536.** Yale University is an Equal Opportunity/Affirmative Action Employer. Women and members of underrepresented minority groups are encouraged to apply.

ASSOCIATE DIRECTOR

Transgenic Mouse/ES Cell Shared Resource

A **TENURE-TRACK FACULTY** position is immediately available to oversee daily operations of the Transgenic Mouse and Embryonic Stem Cell Shared Resource at Vanderbilt University Medical Center. The successful candidate will receive a salary and compensation package that is highly competitive with similar positions at other academic institutions. The applicant should have extensive knowledge and experience in targeting vector construction, ES cell culture, transgenic and knockout mouse generation, animal health issues, and barrier techniques. Must be able to work independently; have strong organizational skills; and be able to train and communicate with Scientists, technicians, and collaborators. The successful candidate will directly supervise a staff of four to six highly skilled individuals. Ample opportunities exist for attending national workshops and meetings to keep abreast of recent developments in the field.

Qualified applicants should submit their curriculum vitae, names of three references, and a cover letter detailing their career objectives to: **Cathleen C. Petter, Ph.D., Director, Transgenic Mouse/ES Cell Shared Resource, Department of Cancer Biology, 776 PRB, 23rd Avenue and Pierce Avenue, Nashville, TN 37232.** Applications accepted until position is filled.

ASSISTANT or ASSOCIATE PROFESSOR in pharmacogenomics, College of Medicine, Pennsylvania State University: Tenure-track position is available in the Department of Pharmacology. Must possess Ph.D., M.D., or M.D./Ph.D.; have postdoctoral experience; and a strong background in pharmacogenetics and/or pharmacogenomics. Successful applicant will be expected to contribute to the development of new genomic and/or proteomic approaches to the study of molecular medicine and pharmacology and will interact with faculty of the Life Sciences Consortium at Penn State to strengthen emerging genomic efforts. Participation in medical and graduate student teaching is required. Salary, start-up funds, and laboratory space will be commensurate with qualifications and experience. Applications must be received by April 15, 2002. Send curriculum vitae, statement of research interests, and the names and addresses of three references to: **Chair, Pharmacogenomics Search Committee, Department of Pharmacology, H078, Position Number S-9691, Penn State College of Medicine, 500 University Drive, Hershey, PA 17033-2390.** Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR TWO POSITIONS IN ANIMAL MOLECULAR BIOLOGY/GENETICS (Full-Time Faculty)

College of Agriculture and Natural Resources
Department of Animal and Avian Sciences
University of Maryland, College Park

Two outstanding individuals are sought at the Assistant or Associate Professor rank to initiate new programs of research and teaching in animal biotechnology/molecular biology/genetics in the Department of Animal and Avian Sciences. Preference for one of the positions will be given to individuals whose research area includes the development of nuclear cloning, stem cell, or transgenic technologies to investigate genes of significance for the growth, development, and physiology of domestic animals. A University of Maryland/U.S. Department of Agriculture center for transgenic animal biology is under construction for this purpose. The research program for the second position is open to any area relevant to animal agriculture with preference given to individuals using modern approaches in molecular biology or genetics.

Minimum qualification for these positions is a Ph.D. in the biological sciences or a related discipline. For appointment at the Associate Professor level, individuals must have an externally funded research program and an established record of productivity. Applications and nominations including curriculum vitae, a brief statement of research accomplishments, a proposed research program, and the names and addresses of three references should be sent to the following address. Applications will be accepted until May 1, 2002, or until suitable candidates are identified.

Drs. Ian H. Mather and Mary Ann Ottinger
Co-Chairs, Search Committee for Animal
Molecular Biologists/Geneticists
Department of Animal and Avian Sciences
University of Maryland
College Park, MD 20742-2311 U.S.A.
Website: <http://ansc.umd.edu/>

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DEPARTMENT OF MEDICINE University of California San Francisco

The Department of Medicine at the University of California, San Francisco, is recruiting for a faculty position in the uro/oncology program in the Division of Medical Oncology.

Candidates must have demonstrated research interest and preferably experience in genitourinary cancer. The candidate will have an opportunity to work with an outstanding prostate cancer program and Prostate SPORE (Special Program of Research Excellence) at the UCSF Comprehensive Cancer Center. The appointment will be made at the level of **ASSISTANT or ASSOCIATE PROFESSOR** in the In Residence series. Candidates should have an M.D. degree and be ABIM certified or eligible in medical oncology.

Send curriculum vitae to: **Margaret Tempero, M.D., UCSF Box 1770, San Francisco, CA 94143-1770.** UCSF is an Affirmative Action/Equal Opportunity Employer. The University undertakes Affirmative Action to assure Equal Employment Opportunity for underutilized minorities and women, for persons with disabilities, and for Vietnam-era veterans and special disabled veterans.

The Department of Biology and Microbiology at the University of Wisconsin Oshkosh seeks a full-time **ACADEMIC STAFF LECTURER** for one year only to teach genetics lecture and laboratory, molecular biology lectures, and assist in introductory biology laboratories. Position begins September 1, 2002. Ph.D. preferred; M.S. required. Teaching experience is desirable. Send letter of application; curriculum vitae; three letters of recommendation; and transcripts to: **Chair, Department of Biology and Microbiology, University of Wisconsin Oshkosh, Oshkosh, WI 54901** by May 3, 2002. The University of Wisconsin Oshkosh is an Affirmative Action/Equal Opportunity Employer. UW Oshkosh values diversity.

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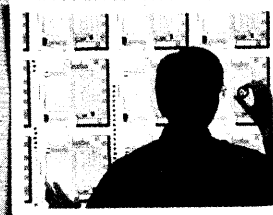
Our famous sheep, Dolly, was the first mammal cloned from an adult cell and a direct result of Scotland's thriving and inventive biotech industry. In electronic design, our innovative Alba Campus is leading the world's R&D in System Level Integration technology and promoting enormously successful collaborations between top universities and private sector partners in the industry.

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FACULTY POSITION IN PHARMACOLOGY/NEUROSCIENCE

Department of Neurobiology and Pharmacology

The Department of Neurobiology and Pharmacology of the Northeastern Ohio Universities College of Medicine (NEOUCOM) (website: <http://www.neoucom.edu>) seeks applications for a tenure-track position with primary teaching responsibilities in the Medical Pharmacology course. Successful candidates will teach medical and graduate students, participate in an interdisciplinary graduate program, and develop graduate courses in their field of expertise. Educational background in neuroscience is a plus. Proposed starting date of July 1, 2002. Candidates must have an earned Ph.D. and/or M.D. and at least 2 years of postdoctoral research experience. Applicants must demonstrate research productivity and the capability of establishing an externally funded research program. Current research interests in the department include sensory and auditory processing in the CNS, neurochemical anatomy and steroids in the nervous system, neuroimmunology, neuroplasticity, neuropathic pain, mechanisms of synaptic modulation, regulation of neural gene expression using a zebrafish model and molecular correlates of Alzheimer's disease. Synaptic plasticity, developmental neurobiology, growth factors/neurotrophins, or neuroimmunomodulation/neuroinflammation experience is a plus.

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Applicants should send a letter of application accompanied by curriculum vitae, a statement describing teaching experience, research interests, goals and plans for external support, as well as the names and complete addresses of three references by April 15, 2002. Females and underrepresented minorities are encouraged to apply. Send materials to: **Northeastern Ohio Universities College of Medicine, 4209 St. Rt. 44, PO Box 95, Rootstown, Ohio 44272-0095, c/o Raymond E. Papka, Ph.D., Professor and Chair, Department of Neurobiology and Pharmacology or e-mail jobs@neoucom.edu.**



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Faculty Position in Behavioral Neuroscience

Departments of Psychiatry and
Columbia Genome Center
College of Physicians and Surgeons at
Columbia University

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Applicants should arrange to have four reference letters sent directly to the address below as soon as possible. In addition, applicants should forward a curriculum vitae, copies of significant publications, and statements of research and teaching interests to:

Ms. Alla Kuznetsova
Administrator; Behavioral Search
Columbia Genome Center
Columbia University
1150 St. Nicholas Ave.; Rm. 508
New York, NY 10032
phone 212-851-5189
fax 212-851-5176
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Group Leader

Working within our Molecular Biology Department, you will participate on an interdisciplinary project team to find innovative treatments for diseases in the areas of Oncology, Virology, Ophthalmology, Diabetes and Obesity. You must have a PhD in Molecular Biology, Biochemistry or a related field and a minimum of 8 years of successful postdoctoral research experience. This position requires a comprehensive knowledge of recombinant protein expression and purification and a thorough understanding of the role of molecular biology in structure-based drug design. Req. #01-0467-5V1055L

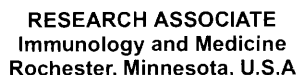
Group Leader, Head of Fermentation

Leading our fermentation facility within the Molecular Biology Department, you will use your extensive knowledge of the baculovirus expression system, expertise in operating bioreactors designed for the growth of *E. coli* and insect cells, and background optimizing the expression of recombinant proteins to train and supervise research associates. This position requires a PhD in Biochemistry, Molecular Biology or a related field and 5 + years industrial experience in large-scale bacterial and insect cell fermentation. The ideal candidate will demonstrate excellent organizational and communication skills, as well as a detailed knowledge of database management and fermentation systems for recombinant protein production. Req. #15Feb021123

Group Leader and Research Scientist

Two positions are available within the Ophthalmology Therapeutic area for experienced scientists to identify and develop new targets and approaches for the treatment of age-related macular degeneration, diabetic retinopathy and other serious ocular diseases. The Group Leader will lead a pharmacology group dedicated to the discovery and testing of novel therapeutics, and must have 8+ years experience in drug discovery and a thorough knowledge of retinal diseases. A minimum of 2 years postdoctoral experience is sought for the research scientist position. Both require familiarity with *in vitro* and *in vivo* models of ocular angiogenesis. When applying, please refer to Req. #01-0621-5V1255G and indicate the appropriate job title.

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Applications, including curriculum vitae and bibliography, summary of past accomplishments, and the names of three references, should be sent to:

Jorg J. Goronzy, M.D.
Professor of Immunology and Medicine
Mayo Clinic, 200 First Street SW, Roches-
ter, MN 55905
(507) 284-1650; (507) 284-5045
Goronzy.jorg@mayo.edu

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A FACULTY POSITION
In the School of Public Health
and Neuroscience Institute
University of California, Berkeley

A faculty position at the intersection of Public Health and Neuroscience in the School of Public Health and the Helen Wills Neuroscience Institute at the University of California at Berkeley is available beginning in Spring 2003. Applications are invited from interested individuals at all levels. Candidates should possess training in conducting innovative research in animals or humans in areas that examine the interplay of neurological and behavioral or social factors on health and development in human populations. Duties include developing and teaching upper division and graduate level courses in addition to directing doctoral student research. An M.D. or Ph.D. in one of the following areas: genetics, development neurobiology, systems neuroscience, affective or cognitive neuroscience, social and behavioral sciences, epidemiology, environmental health sciences, or a related field is required. Applications and related materials must be received by June 30, 2002. Send a letter of interest, curriculum vitae, list of publications, and the names of five references to:

William A. Satariano, Ph.D., M.P.H.
Professor of Epidemiology and Director,
Health and Social Behavior Program
School of Public Health
University of California, Berkeley
Berkeley, CA 94720-7360

*The University of California is an
Equal Opportunity, Affirmative Action Employer*



The USDA, Agricultural Research Service, National Program Staff, in Beltsville, Maryland, is seeking a National Program Leader for Animal Health and Safety, GS-701/487-15. Salary commensurate with experience (\$92,060-\$119,682 per year). This national leadership position is responsible for planning, leading, coordinating and implementing agricultural research programs relating to animal health research with emphasis on bacterial infections. This position has specific education and experience requirements, and factors that must be addressed.

In order to ensure submission of a complete application, applicants must request a copy of the announcement by calling (301) 504-1484 or by printing it from the Internet at <http://www.ars.usda.gov>. Click on Employment Opportunities. The vacancy announcement number for this position is ARS-X2E-2241.

USDA/ARS is an Equal Opportunity Employer and Provider.

**Division of Anatomy, Dept. of Surgery,
University of Toronto** invites applications
for an Assistant Professor (tenure track)
full time position. Anticipated start date is
September 1, 2002.

The candidate should hold a Ph.D. in Anatomy or related discipline and be capable of contributing to undergraduate teaching programs in human anatomy and histology for medical, dental and allied health students. The successful candidate will have demonstrated significant research potential and will be expected to develop a vigorous, independent research program that will lead to external funding. Applicants should submit a complete curriculum vitae, copies of publications and the names of three references to: **Professor M.J. Wiley, Professor and Chair, Division of Anatomy, Dept. of Surgery, University of Toronto, Toronto, Ontario M5S 1A8.** To ensure full consideration, this information should be received by June 1, 2002. Applications after this date will be considered until the position has been filled.

In accordance with its employment equity policy, the University of Toronto encourages applicants from qualified women and men, members of visible minorities, aboriginal peoples and persons with disabilities. In accordance with Canadian immigration requirements, Canadian citizens and permanent residents will be considered first for this position.

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**Principal Investigator
Dermatology Branch, Center for Cancer
Research (CCR)
National Cancer Institute**

The Dermatology Branch CCR, NCI seeks an energetic and accomplished, tenure track or tenure eligible Principal Investigator to join a group of colleagues who are committed to excellence in research, training and patient care. The group is currently comprised of seven physicians who are engaged in laboratory- and clinic-based research. The successful candidate will establish an independent laboratory that conducts high quality research in an important area of contemporary skin biology. It is anticipated that the area of emphasis will complement those that are already represented in the Branch and be relevant to the diagnosis or care of patients with cancer. Candidates must be Board-certified in Dermatology, hold a valid state medical license and be eligible for NIH Clinical Center privileges. Ideal candidates will, in addition, have a commitment to, and active interest in, clinical medicine and must be willing to contribute to the development of a Branch clinical research program. Research activities will be fully supported. Compensation and other resources are negotiable and dependent on qualifications. Loan repayment programs may be available for qualified applicants. Applicants should send a letter of interest and curriculum vitae to: **Dr. Lee Helman, Chair, Dermatology Branch Principal Investigator Search Committee, c/o Ms. Sallie Baird, Dermatology Branch, CCR, NCI, Building 10, Room 12N238, Bethesda, MD 20892-1908.** Applications must be postmarked by May 30, 2002.

*The National Cancer Institute is an
Equal Opportunity Employer.*



**University of North Dakota
VICE PRESIDENT FOR RESEARCH**

Applications and nominations are invited for the new position of Vice President for Research at the University of North Dakota. The Vice President for Research will be a major academic leader with responsibility for fostering energetic and successful research, scholarship and creative activity in the sciences, engineering, arts and humanities. He/she will be the senior official responsible for leadership and management of technology transfer activities and regulatory compliance of research and scholarship. The individual will report directly to the university president, be a member of the president's cabinet and participate in all major campus-wide decisions affecting the university. Sought is a creative, people-oriented individual with a vision to enhance our efforts for external funding in support of research, scholarship and technology transfer. The individual selected will develop strategic relationships, long term strategies, and mechanisms to facilitate a successful enterprise. He/she will work closely with the vice presidents, deans, department chairs, faculty and the university's liaison in Washington.

The University of North Dakota, founded in 1883, has more than 11,000 students in physical and natural sciences, humanities, social sciences, aerospace sciences, engineering, medical sciences, nursing, fine arts, business, law, education and human development. The graduate student enrollment is 1,500 per semester with 350 masters and 40 doctoral degrees awarded per year and is expected to grow as directed by UND's strategic plan. The university currently acquires over \$40 million annually in external research programs with an initial goal of \$100 million. UND is a vibrant, comprehensive institution with a rich history located in a safe and friendly community of 60,000 people.

Additional information about the university is available at www.und.edu

Preferred qualifications include experience in administration, a substantial record of research, success in securing extramural funding, and a Ph.D. or similar credentials. Strong commitments to interdisciplinary research, to undergraduate and graduate research, and to building partnerships with government, industry, professions, and the community are especially desirable.

Review of applications will begin immediately and continue until the position is filled. Nominations are strongly encouraged. A letter of application, curriculum vitae, a statement of the applicant's philosophy of university-based research, and names and addresses of three references should be sent to: **Dr. H. David Wilson, Chair, Vice President for Research Search Committee, University of North Dakota, P.O. Box 9037, Grand Forks, ND 58202-9037; e-mail: hdwilson@medicine.nodak.edu (701)777-3021**

Women and minorities are strongly encouraged to apply. Applicants with special needs or disability accommodation requirements should make the request with the Search Committee Chair. The University of North Dakota is an Equal Opportunity, Affirmative Action Employer.

**Post-doctoral Positions
Training Program in Vascular Tissue Remodeling
Albany Medical College**

The Albany Medical College seeks applicants for its Interdisciplinary NIH postdoctoral training program in vascular tissue remodeling. The participating faculty offer a focused program of research training in the areas of signal transduction, extracellular matrix assembly and turnover, cell growth control, lipid metabolism, oxygen radicals and cell adhesion and motility. These processes are studied within the physiologic contexts of angiogenesis, cellular contractility, vessel barrier permeability, vascular stress and tissue fibrosis. The College has undergone an expansion within the basic sciences that includes the addition of new faculty and the establishment of an inter-institutional partnership with the SUNY-Albany Center for Functional Genomics. This consortium provides state of the art core facilities in molecular biology, image analysis, proteomics and transgenics. Programmatic alignments with area institutions, including the Wadsworth Center, SUNY-Albany, and RPI additionally provide access to a region-wide initiative in biomedical informatics and comparative genomics. Albany is located in the scenic Hudson River Valley, offering affordable housing, easy commutes and quick access to cultural (e.g., Saratoga Springs and Tanglewood Performing Arts Centers), and outdoor activities (Adirondack and Catskill State Parks). Applicants should have a M.D. or Ph.D. degree in Biological Sciences and be eligible for appointment to an NIH training grant.

Interested candidates should submit a curriculum vitae, representative publications, a statement of research interests and the names of three references to:

**Paula J. McKeown-Longo, Ph.D.
Director, NIH Training Program
Center for Cell Biology & Cancer Research (165)
Albany Medical College
47 New Scotland Avenue
Albany, NY 12208**

*The Albany Medical College is an Equal Opportunity,
Affirmative Action Employer*



**Genetic Engineer/Molecular Biologist
Postdoctoral**

Archer Daniels Midland Co., a leader in the development and improvement of new economically important fermentation products, is seeking a bright, motivated Postdoctoral Scientist who is interested in the direct applications of gene microarray technology to the improvement of industrial fermentation strains by genetic engineering.

The successful candidate will join a small microarray group and become cross-trained in that technology, but have primary responsibility for testing microarray-generated hypotheses through strain engineering. The candidate should be proficient in molecular genetics procedures and have working knowledge of bacterial metabolism. ADM, a world leader in agricultural processing operates a modern, well-equipped research facility near its corporate headquarters in Decatur, IL.

The position offers a salary of \$45,000/yr and a complete benefit package including pension, 401K/ESOP, health, dental, and life insurance. Pre-employment drug screen is required.

Interested candidates should mail resume to:

**Vicki J. Rentfrow
Employment Representative
Archer Daniels Midland Co.
P.O. Box 1470
Decatur, IL 62525
employment@admworld.com
Subject line - Post Doc**

ADM is an Equal Opportunity Employer

POSITIONS OPEN

VISITING FACULTY POSITION Ecology/Environmental Science Bowdoin College

The Biology Department and Environmental Studies Program at Bowdoin College invite applications for a one-year visiting position with possible renewal for a second year at the **ASSISTANT PROFESSOR** or **INSTRUCTOR** level (Ph.D. preferred) beginning in the fall of 2002. We are seeking candidates with a broad background in ecology and environmental science. Teaching responsibilities include three courses each year including introductory environmental science (with laboratory); an interdisciplinary, team-taught introduction to environmental studies; and either community and ecosystem ecology (with laboratory) or an upper-level course in the candidate's specialty plus mentoring of honors and independent study students. Opportunities exist for working at the college's nearby Coastal Studies Center. Review of applications will begin April 8, 2002. Please send curriculum vitae, a statement describing your teaching and research experience and interests, and three letters of reference to: **Eileen Johnson, Environmental Studies Program, 6700 College Station, Bowdoin College, Brunswick, ME 04011**. For further information about the college, the Department, and the program, please see our website: <http://www.bowdoin.edu>. Bowdoin College is committed to Equal Opportunity through Affirmative Action. Women and minorities are encouraged to apply.

SENIOR LECTURER AND LABORATORY DIRECTOR Dartmouth College

The Department of Chemistry at Dartmouth College seeks applicants for the position of Senior Lecturer and Director of the General Chemistry Laboratories. This is a nine-month position starting September 2002 with an initial two-year appointment subject to renewal. Duties will include overall responsibility for the instructional laboratories in general chemistry; teaching in regular general chemistry lecture courses; training, supervising, and evaluating teaching assistants; and collaboration with other faculty in development of new laboratory curricula, and teaching materials. Requirements include a Ph.D. degree in chemistry and at least two years of relevant experience plus excellent interpersonal skills and a familiarity with modern instrumentation and contemporary methods of instruction. Send a résumé and arrange to have three letters of reference sent to: **Professor Dean E. Wilcox, Chair, Department of Chemistry, 102 Burke Laboratory, Dartmouth College, Hanover, NH 03755-3564**. Review of applications will begin April 15, 2002, and will continue until the position is filled. *With an even distribution of male and female students and over a quarter of the undergraduate student population members of minority groups, Dartmouth is committed to diversity and encourages applications from women and minorities. Dartmouth College is an Equal Opportunity/Affirmative Action Employer.*

The Department of Chemistry at the University of Houston invites applications at the **JUNIOR LEVEL** in atmospheric chemistry. We are particularly interested in applicants with experimental interests that complement current strengths within the college in computational air quality modeling and climate change modeling and interests in teaching introductory, instrumental, and analytical chemistry. Candidates will be expected to have postdoctoral experience, a strong potential in research, and a commitment to education at all levels. Applicants should submit complete curriculum vitae, a statement of research interests and experience, a statement of research plans (not to exceed five pages), and three letters of recommendation to: **Professor A. Haymet, Chair, Atmospheric Chemistry Search Committee, Department of Chemistry, University of Houston, Houston, TX 77204-5003**. Consideration of applications will begin on April 15, 2002, and continue until the position is filled. *The University of Houston is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.*

POSITIONS OPEN



FACULTY POSITIONS Johns Hopkins University

Positions are open for **ASSISTANT PROFESSORS** of physiology within the Department of Environmental Health Sciences. These unique positions provide many opportunities for independent and collaborative research at the center of one of the world's premier academic research institutions. We are seeking faculty to undertake innovative research aimed at elucidating mechanisms underlying how the environment causes or alters the pathophysiology of lung or cardiovascular disease. Interested applicants should forward current curriculum vitae with a letter of interest to: **Dr. Wayne Mitzner; e-mail: wmitzner@jhsp.edu; Telephone: 410-614-5446**. Johns Hopkins is an Equal Opportunity/Affirmative Action Employer.

The Department of Food Science and Human Nutrition, Iowa State University (website: <http://www.fcs.iastate.edu/fshn>), seeks an **ASSISTANT PROFESSOR** of nutrition (nine months, full-time, tenure track) to establish a strong, extramurally funded research program and participate in teaching, advising, and outreach/extension. Mass spectroscopy and human metabolic facilities and pilot project funds are available in the Center for Designing Foods to Improve Nutrition (website: <http://www.fcs.iastate.edu/fshn/research/cdfin.htm>) as well as ISU campus biotechnology and computation services. Required qualifications include Ph.D. in nutrition, biochemistry, molecular biology, epidemiology, exercise physiology, or similar field; postdoctoral or similar relevant work experience; and a strong publishing record in nutrition. Submit a letter of application; curriculum vitae; research and teaching interests; and names, addresses, telephone and FAX numbers, and e-mail addresses for at least three references to: **Dr. Suzanne Hendrich, Ph.D., Nutrition Search Committee Chair, Department of FSHN, 220 MacKay, Iowa State University, Ames, IA 50011-1120** by April 30, 2002, or until position is filled. *An Equal Employment Opportunity/Affirmative Action Employer*

FACULTY POSITION IN MOUSE MRI Baylor College of Medicine

The Department of Molecular Physiology and Biophysics is recruiting a **TENURE-TRACK** or **TENURED FACULTY MEMBER** who conducts basic research using magnetic resonance imaging of the mouse. We are particularly interested in candidates whose research interest is in either cardiovascular science or neuroscience, although outstanding candidates in other research areas also will be considered. In addition to laboratory space and start-up funds, a Bruker PharmaScan 70/16 magnet has been purchased for this position.

Please send a brief research proposal, curriculum vitae, and letters from three references to:

**Ms. Lynda Attaway
Department of Molecular Physiology
and Biophysics
Baylor College of Medicine
One Baylor Plaza
Houston, TX 77030**

POSTDOCTORAL POSITIONS are available immediately to study (1) the molecular basis of T cell tolerance and (2) the immunotoxicity of disinfection byproducts. Experience in molecular/cell biology or toxicology is desired. Send curriculum vitae to: **Dr. Kathleen Gilbert, University of Arkansas for Medical Sciences, Department of Microbiology and Immunology, 4301 West Markham, Little Rock, AR 72205**. E-mail: gilbertkathleenm@uams.edu.

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION Department of Physiology, Queen's University

The Department of Physiology (website: <http://meds.queensu.ca/medicine/physiol/>) invites applications for a tenure-track position at the level of **ASSISTANT PROFESSOR**. While the successful applicant will be appointed in the Department of Physiology, his/her research interests should align with the Interdisciplinary Cardiac, Circulatory, and Respiratory (CCR) Research program, which is an established research focus of the Faculty of Health Sciences at Queen's University. The Researcher will be part of a vibrant group focused on cardiocirculatory respiratory (CCR) extending from molecular to epidemiological studies. The individual's research is to complement the current strengths in the Department of Physiology, which are cardiac and respiratory muscle proteomics, myocyte function, and smooth muscle biology. Requirements include a Ph.D. or M.D. degree, outstanding scholarship, a strong record of achievement, and the potential to attract external funding.

Queen's University is recognized nationally for the quality of its undergraduate and graduate programs, which attract outstanding students. Queen's University is an integral part of the vibrant Kingston community in the heart of the Thousand Islands region of southeastern Ontario, Canada. It has a community spirit and amenities unmatched by any other Canadian university. The University and the region offer an outstanding academic and community environment (website: <http://www.queensu.ca>). The deadline for applications is May 15, 2002. Applicants should forward a copy of curriculum vitae and names of three references to: **Dr. A.V. Ferguson, Professor and Head, Department of Physiology, Queen's University, Kingston, Ontario K7L 3N6 Canada**. *All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. Queen's University is committed to Employment Equity and welcomes applications from all qualified women and men including visible minorities, aboriginal people, persons with disabilities, gay men, and lesbians.*

The Department of Physics at the University of California, Riverside, invites highly qualified applicants to apply for a new **FACULTY POSITION** in theoretical condensed matter physics. This position is allocated at the open level and may be filled at any academic level including the senior level. The appointment will be effective July 1, 2002, at the earliest. The Department is seeking outstanding candidates with exceptional research records and demonstrated excellence in teaching or excellent teaching capability. The successful candidate is expected to establish a leading-edge research program involving graduate students and contribute to department teaching at all levels. The Department has active condensed matter research programs in strongly correlated electron systems, molecular biophysics, surface physics, and optical/laser physics. UC Riverside is actively pursuing a new initiative in nanoscale science and engineering. Candidates for this position are required to have a Ph.D. or equivalent degree in physics. Salary will be competitive and commensurate with qualifications and level of appointment. Candidates should submit a letter of application, curriculum vitae, evidence of teaching skills, and evidence of an outstanding research program where appropriate. They should also arrange to have three letters of reference sent to the Department and be willing to submit additional references on request. Letters should be sent to:

**Chair, Search Committee
Theoretical Condensed Matter Physics
Department of Physics
University of California
Riverside, CA 92521**

Full review of applications will begin May 15, 2002. Applications received after this date will be considered on a case-by-case basis until the position is filled. *The University of California is an Equal Opportunity/Affirmative Action Employer.*



**Center for Immunology & Microbial Disease
Albany Medical College**

Assistant/Associate Professor

The Center for Immunology & Microbial Disease at Albany Medical College invites applications for a tenure-track faculty position at the Assistant/Associate Professor level from individuals who have a doctoral degree, postdoctoral experience, and demonstrated research productivity. The successful candidate will be expected to establish an independent, extramurally-funded research program and participate in the teaching of medical and graduate students. The Center for Immunology & Microbial Disease is an interdisciplinary research group with a focus on understanding the immune response, microbial and viral pathogenesis, cancer development and cell transformation, and biochemical and genetic mechanisms responsible for human disease. Faculty at Albany Medical College receive competitive salaries, attractive start-up packages, and access to outstanding core facilities. In addition, the Center has established close relationships with the New York State Department of Health Wadsworth Laboratories and the Trudeau Institute, providing a diverse environment that is rich in immunology and infectious disease expertise. Albany Medical College is located in a mid-sized city within the New York Capital Region, and has easy access to Boston, New York City, and the Adirondack Mountains.

Applicants should send by May 15, 2002, their curriculum vitae, a statement of research plans, and three letters of reference to:

Dennis W. Metzger, Ph.D.
Theobald Smith Alumni Chair, Professor and Director
Center for Immunology & Microbial Disease
Albany Medical College
47 New Scotland Avenue, MC-151
Albany, NY 12208

For further information about the Center, visit www.amc.edu/Academic/Research/imd.htm

*An Equal Opportunity/Affirmative Action Employer.
Women and minorities are encouraged to apply.*

**DIRECTOR OF DEVELOPMENTAL BIOLOGY PROGRAMS
DIVISION OF KIDNEY, UROLOGIC AND
HEMATOLOGIC DISEASES
NIH RESEARCH ADMINISTRATION**

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) seeks a scientist with expertise in Developmental Biology to serve as Director of Developmental Biology Programs in the Division of Kidney, Urologic and Hematologic Diseases (DKUHD). The DKUHD plans, conducts, directs and oversees a program of research in basic and applied, clinical and non-clinical research in the biology of the kidney and urinary tract, including basic cell biology, physiology, pathophysiology and developmental biology. The Division is undertaking to strengthen its programs in Developmental Biology, and the application of insights from developmental biology to the disease pathophysiology and tissue and organ repair. The position is for a staff scientist to oversee the development of a program of research grants and contracts in development of the urinary tract. The incumbent will apply specialized knowledge of this area of science in the review and analysis of proposed research and research training proposals, and evaluate them as to their probable results and importance to program development. The position involves planning workshops, developing advisory panels, writing grant solicitations, and assisting in the preparation of reports to Congress and for internal NIH use. Administrative activities include attendance at study section meetings, responding to grantee concerns, supervision of grant budget assignment, review of supplement requests, review of progress reports, and interaction with professional societies, advocacy groups and committees and working groups both within the NIDDK and across the NIH. Applicants must have a PhD degree in a relevant discipline (e.g., developmental biology, cell biology, physiology, biochemistry) and at least three to five years research experience. Total Salary is very competitive and will be commensurate with the experience of the applicant.

Applications must be postmarked by April 8, 2002, to receive consideration. Please submit a CV, including bibliography to: **Joanna E. Voight, NIDDK Office of Human Resources Management, Suite 700, Room 791, 6707 Democracy Boulevard MSC 5451, Bethesda, MD 20892-5451; Voightj@hq.nidk.nih.gov.**

NIH IS AN EQUAL OPPORTUNITY EMPLOYER

**Faculty Position
Prostate Cancer Biology and Molecular Genetics
University of Kentucky Medical Center**

The University of Kentucky College of Medicine invites applications from outstanding candidates for a tenure-track faculty position at the level of Assistant, Associate or Full Professor, to be based in the Markey Cancer Center as an integral part of an expanding initiative in prostate cancer. Expertise is sought particularly in areas which complement current foci in growth regulation/tumor suppression and apoptosis, gene therapy, molecular control of hormone resistance, growth factors, and chemotherapy and radiation sensitivity/resistance. Candidates studying prostate cancer using advanced biomolecular technologies, such as DNA and protein arrays/genomics or proteomics, as well as those employing unique animal models and/or molecular epidemiology with translational research applicability are particularly encouraged to apply. The successful candidate must have a Ph.D., and/or M.D. degree with productive postdoctoral experience, and will be expected to develop/maintain a vigorous, independent extramurally funded research program, as well as participate actively in graduate teaching programs in the UK Medical Center. Generous start-up funds, competitive salary, and modern laboratory space are available. Lexington offers a quiet and peaceful setting with easy commute to work and is surrounded by rolling-meadows and scenic countryside.

Applications, including curriculum vitae, a list of publications, three letters of reference and a brief summary of accomplishments and future research directions should be sent to: **Prostate Cancer Faculty Search Committee, c/o Ms. Beth Williams, Markey Cancer Center, University of Kentucky College of Medicine, 800 Rose Street, Lexington, KY 40536.** The review of applications begins April 22, 2002 and will continue until the position is filled.

*The University of Kentucky is an Equal
Opportunity Employer.*

**Max-Planck-Institut für
Züchtungsforschung**

Max Planck Institute for Plant Breeding Research



The **Max Planck Institute for Plant Breeding Research** in Cologne together with its partner institutions invite applications for

Ph. D. Studentships

as part of the International Max Planck Research School (IMPRS) on "The molecular basis of plant development and environmental interactions". Students are offered an interdisciplinary education in plant genetics, structural biology/biochemistry and cell biology. Training includes one-week block courses on specific topics at participating institutions in Poland, Hungary and France. The program is in English and open for students from all countries. No tuition fees are required. Applicants must hold a Master's degree as required by the enrolling University of Cologne. Candidates from countries with another official language should provide a proof of efficiency in English as a second language (e.g. TOEFL or IELTS). Deadline for applications is April 30, 2002.

Please send cover letter with accompanying CV including the names and addresses of 2 referees and a 1 page Thesis summary to:

**IMPRS – Molecular Basis of Plant Development
Scientific Coordinator
Max Planck Institute for Plant Breeding Research
Carl-von-Linné Weg 10, 50829 Cologne/Germany
email: imprsc@mpiz-koeln.mpg.de**

Applicants should arrange two letters of recommendation to be mailed independently to the IMPRS coordinator. Please visit **www.mpiz-koeln.mpg.de** prior to submission for further information about the Ph.D. program.



The Max-Planck-Society is an Equal Opportunities Employer

MAX-PLANCK-GESELLSCHAFT

POSITIONS OPEN

ASSISTANT OR ASSOCIATE PROFESSOR

The Department of Physiology and Cell Biology (website: <http://134.197.54.225/department/>) at the University of Nevada, School of Medicine, in Reno is seeking applicants for a full-time, tenure-track position at the Assistant or Associate Professor level. Applicants must have a Ph.D., M.D., or equivalent degree and postdoctoral experience. The Department is seeking an individual with expertise in one or more of the following areas: transgenic/knockout technologies, proteomics, mouse mutagenesis, functional genomics, microarray/bioinformatics, complex trait analysis, and gene mapping/discovery. It is expected that the new faculty member will develop independent research programs and participate in the teaching of medical and graduate students. Core facilities for tissue culture, media preparation, DNA sequencing, fluorescence-activated cell sorting, digital imaging and confocal microscopy, genomics, and transgenic/knockout mice are available to the Department. The position will be highly competitive with regard to start-up funds, laboratory space, and salary. Applicants should submit curriculum vitae, a description of research plans, and provide for three reference letters to be sent to: **Dr. Burton Horowitz, Department of Physiology and Cell Biology, MS 352, University of Nevada, School of Medicine, Reno, NV 89557.** Review of applications will begin May 5, 2002.

Affirmative Action/Equal Opportunity Employer.

CAENORHABDITIS GENETICS CENTER (CGC)

The CGC acquires, maintains, and distributes genetic stocks of *Caenorhabditis elegans* for use by Investigators initiating or continuing research on this nematode. The CGC's collection of more than 4,300 strains includes one allele of each mapped gene; all available chromosome rearrangements; and selected multiply mutant stocks for genetic mapping. Requests for strains should include a brief statement of the research or training activity for which the stocks are intended. Recipients are asked to acknowledge the CGC, which is supported by NIH's National Center for Research Resources (NCRR), in publications resulting from use of the strains and to provide the CGC with reprints of those publications. The CGC also provides information about *C. elegans*; see the *Caenorhabditis elegans* website: <http://elegans.swmed.edu>. Inquiries should be addressed to: **Theresa Stier-nagle**; e-mail: stier@biosci.cbs.umn.edu or:

**Theresa L. Stiernagle, Curator
Caenorhabditis Genetics Center
250 Biological Sciences Center
University of Minnesota
1445 Gortner Avenue
St. Paul, MN 55108-1095**

The Bowdoin College Biology Department seeks applicants for one or two visiting faculty positions with expertise in at least one of the following fields: plant physiology, developmental biology, genetics. These are one-year positions at the **ASSISTANT PROFESSOR or INSTRUCTOR** level (Ph.D. preferred). Each visiting faculty member will teach three courses during the year, at least one of which is a sophomore- to junior-level course including weekly laboratory on one of the topics above, and will be expected to mentor student research projects. Preference will be given to candidates who can teach in more than one of the areas listed above.

Review of applications will begin April 1, 2002. Please send curriculum vitae, statement of teaching and research interests and expertise, and three letters of recommendation to: **Patsy Dickinson, Department of Biology, 6500 College Station, Bowdoin College, Brunswick, ME 04011.** For further information about the college, the Department, and the program, please see our website: <http://www.bowdoin.edu>.

Bowdoin College is committed to Equal Opportunity through Affirmative Action. Women and minorities are encouraged to apply.

POSITIONS OPEN



ASSISTANT OR ASSOCIATE PROFESSOR West Virginia University Health Sciences Center

The Department of Neurobiology and Anatomy, School of Medicine, Robert C. Byrd Health Sciences Center, West Virginia University, is seeking basic Scientists at the Assistant or Associate Professor level to join a new, interdisciplinary Research Center for the Neurobiology of Stress. The mission of the Stress Center, which will encompass both clinical and basic science, is to elucidate the neurobiological impact of environmental stress and its influence on psychological and physical health. This Center is part of an expanding emphasis on Neuroscience at WVU including the Blanchette Rockefeller Neurosciences Institute, the Center for Advanced Imaging, and the Sensory Neuroscience Research Center. This tenure-track position requires a Ph.D. or equivalent degree and at least two years of postdoctoral experience. Applicants with expertise and interest in the impact of environmental stress on CNS development and function; gene and/or receptor expression; immune system efficacy; and animal behavior models of fear, aggression, and learning are especially encouraged to apply. Examples of appropriate research areas include but are not limited to plasticity in limbic brain structure and circuitry; gene expression or signaling mechanisms in models of prenatal and early postnatal stress; behavioral pharmacology of fear, aggression, and learning; and the psychoneuroimmunology of stress and immune function.

Finalists will be selected based on the level and success of extramurally funded research programs or the potential for developing an independent research program and willingness and ability to interact with a diverse group of Neurobiologists. Modest teaching contributions in graduate and professional courses will be expected. A competitive start-up package and salary are available.

Morgantown, West Virginia, is a small university community nestled into the edge of the Appalachians that offers a high quality of life (website: <http://www.morgantown.com>). Send curriculum vitae, a statement of research interests and plans, and names and contact information for at least three references to: **Dr. A. K. Salm, Chair, Stress Center Search Committee, Department of Neurobiology and Anatomy, West Virginia University School of Medicine, 4052 HSN, Morgantown, WV 26506-9128.** Candidate selection will begin on April 15, 2002, and continue until the position is filled.

West Virginia University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

UCLA TENURE-TRACK FACULTY POSITION Department of Anesthesiology

The Department of Anesthesiology at the UCLA School of Medicine invites applications for a tenure-track faculty position at an academic rank appropriate for qualifications. The position involves research in ion channels to complement an existing research program in this area. Candidates are expected to have an M.D. and/or Ph.D. degree with a strong theoretical background in biophysics and experimental training in electrophysiology, optics, and molecular biology. The successful candidate will become a member of the Department's world-class research group in ion channel structure-function and will be expected to develop an independent research program as well as collaborative interactions. He/she will also participate actively in the teaching mission of the Department and will facilitate research training of M.D. candidates for academic careers. Applicants should e-mail their curriculum vitae, a letter with a statement of research interests and career goals, and the names of three references to: **Chair, Anesthesiology Search Committee, c/o e-mail: awalker@mednet.ucla.edu.** All qualified applicants are encouraged to apply including women and minorities. UCLA is an Equal Opportunity Employer.

POSITIONS OPEN

FACULTY POSITION University of Chicago

The Department of Anesthesia and Critical Care at the University of Chicago will make one tenure-track faculty appointment beginning in January 1, 2003. The level of appointment will be either at the **ASSISTANT or ASSOCIATE** level commensurate with the candidate's qualifications. Qualified individuals will join a strong and well-established cadre of NIH-funded M.D. and Ph.D. researchers in newly remodeled office and laboratory space. Current faculty have interests in the neurobiology of synaptic transmission, cognition, anesthesia, neuroprotection, pain, and drug abuse. Qualified individuals will receive a generous start-up package of office and laboratory space as well as funds for equipment, supplies, and secretarial and technical staff support. The candidate will be expected to implement a nationally recognized, extramurally funded research program that provides opportunities for the training of predoctoral students, Postdoctoral Fellows, and Residents in research. Qualified candidates will also participate in the teaching of medical students, graduate students, and Residents. Applications are solicited from individuals who apply genetic, molecular, cellular, or systems-level approaches to neurobiology. Although preference will be given to those individuals whose research interests complement and extend those of current faculty, new research directions will be considered as well. Curriculum vitae, a two- to three-page statement of research interests, names of three references, and three representative publications should be mailed to:

**Jonathan Moss, M.D., Ph.D., Professor
Department of Anesthesia and Critical Care
University of Chicago
5841 South Maryland Avenue, MC4028
Chicago, IL 60637
E-mail: jm47@midway.uchicago.edu**

CHAIR, DEPARTMENT OF BIOLOGY Pace University

Pace University seeks applications for the position of Chair of the Department Biological Sciences to commence fall 2002. Administrative and teaching expertise at the undergraduate level is required. The Department participates in an interdisciplinary graduate program in environmental sciences (at the M.S. level), and also offers a Physician's Assistant program in partnership with Lenox Hill Hospital. For more information, see website: <http://www.pace.edu/dyson/biology/>. Please send curriculum vitae; statement of administrative philosophy/goals; statement of teaching philosophy; and three letters of reference by April 15, 2002, to: **Dr. Michael H. Roberts, Associate Dean, Dyson College of Arts and Sciences, Pace University, 41 Park Row, 16th Floor, New York, NY 10038.** Pace University is an Equal Employment/Affirmative Action Employer; Minorities/Females/Disabled/Veterans. We are committed to ensuring a diverse learning and working environment. Women and minorities are encouraged to apply.

STAFF ASSOCIATE POSITION Columbia University

The Department of Physiology solicits applicants with a Bachelor's or Master's degree to staff a new laboratory. The new hire will work in a transgenic mouse facility utilizing molecular biology techniques. Responsibilities include pronuclear injections, embryo transfers, and ES cell culture. A two-year minimum commitment is required. Position is available immediately.

Requirements: Bachelor's or Master's degree in biology. Minimum of four years of related work experience necessary. Salary is commensurate with experience. Send curriculum vitae, a brief letter of interest, and names and addresses of two references to: **Joseph Gogos, Ph.D., Department of Physiology, Columbia University, 630 West 168th Street, New York, NY 10032.** Columbia University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH FELLOWS

The Commonwealth Center for the Study of Brain Injury, an internationally recognized leader in the experimental study and treatment of traumatic brain injury, is seeking outstanding M.D./Ph.D. candidates to fill NIH funded postdoctoral training grant positions. The Commonwealth Center involves both basic and clinical neuroscientists who use a broad range of techniques and approaches to study the pathobiology of traumatic brain injury and its therapeutic management. A strong emphasis is placed upon translational research. Currently, opportunities are available with the following investigators:

- **M. Ross Bullock, M.D., Ph.D.** - Clinical and experimental studies focusing on mitochondrial dysfunction and its attenuation through the use of immunophilin ligands.
- **Robert DeLorenzo, M.D., Ph.D.** - Calcium-induced neuronal changes in traumatic and epileptic paradigms.
- **Earl F. Ellis, Ph.D.** - Tissue culture models of strain-induced brain cell injury and pharmacologic treatment of alterations in calcium signaling, mitochondrial function and structural abnormalities.
- **Robert J. Hamm, Ph.D.** - Receptor-mediated alterations in neuronal signaling and their behavioral sequelae.
- **Anthony Marmarou, Ph.D.** - Brain edema and swelling as assessed through the use of NMR spectroscopy and diffusion weighted imaging.
- **Linda L. Phillips, Ph.D.** - Molecular and cellular factors responsible for maladaptive plasticity following brain injury, with emphasis on extracellular matrix and neurotransmitter pathways.
- **John T. Povlishock, Ph.D.** - Subcellular mechanisms involved in progressive axonal and neuronal somatic change following traumatic brain injury, with emphasis on targeted therapeutic intervention.
- **Susan E. Robinson, Ph.D.** - Perturbations of cholinergic and excitatory amino acid-containing neurons by traumatic brain injury.
- **Leslie S. Satin, Ph.D.** - Stretch injury-induced alteration of brain neurotransmitter receptor channels.

These positions are funded through an NIH training grant in its 16th year. Only American citizens or permanent residents are eligible to apply. Qualified applicants should send a curriculum vitae, a brief description of recent research, and the names, telephone numbers and e-mail addresses of three references to:

John T. Povlishock, Ph.D.
Director of the Commonwealth Center for the Study of Brain Injury
Medical College of Virginia Campus, Virginia Commonwealth University
P.O. Box 980709
Richmond, VA 23298-0709

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



Virginia Commonwealth University



Lecturer in Genomics/Bioinformatics

Ref: 174/02

Bioinformatics, the interface between computer science and biology, is rapidly proving to be one of most exciting and fast moving areas in science. A real strength of the Manchester Bioinformatics team is the close collaboration between the Department of Computer Science and the School of Biological Sciences and the long history of successful joint projects between these two RAE grade 5* departments. The School of Biological Sciences is now seeking to enhance its work in this area through appointment to this new lectureship.

You will join one of the largest Biological Sciences Departments in Europe with a strong culture of collaboration and interdisciplinary interactions at all levels of research and teaching across a broad spectrum of Biological and Biomedical Sciences. We seek applicants working in any area of genomics or bioinformatics but preference will be given to those with a track record of successful research on the application of bioinformatics methods at the interface with genomics. You will also be expected to contribute to postgraduate and undergraduate teaching in bioinformatics. The current bioinformatics staff and their research interests are described at <http://bioinf.man.ac.uk>

The appointment will be on the Lecturer scale £20,470 - £32,537 p.a. and is available for five years in the first instance. Information on the School, and an application form, can be found on <http://www.biomed.man.ac.uk>

Informal inquiries may be made to Professor Steve Oliver. Tel: 0161 606 7260; E-mail: Steve.Oliver@man.ac.uk

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

Closing date: 19 April 2002. Please quote reference number.



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

Post-doctoral Fellowship in National Heart, Lung and Blood Institute National Institutes of Health, USA

The Laboratory of Cardiac Energetics in the intramural program of the National Heart Lung and Blood Institute has post-doctoral positions involved in the evaluation of mitochondrial function and control in the intact cell. The candidate should have a Ph.D. in biochemistry, bioengineering, physiology, molecular biology, or related disciplines. The goal of these studies in a better understanding of the cytosolic events related to the control of mitochondrial function in the intact cell. Studies are conducted at the molecular, organelle, cellular and in vivo level using a variety of non-invasive and molecular techniques. Several new approaches in the use of confocal microscopy to study the cellular distribution of enzymatic activity are under development. In the project, fellows will gain experience in confocal microscopy, rapid intracellular kinetic studies using laser excitation, single cell mechanics, optical spectroscopy, mitochondria function analysis as well as NMR and MRI experimentation. Appointment and salary are dependent on experience. Applications should include a CV, brief statement of research interests, and three letters of reference.

Applicants should submit a letter of interest, curriculum vitae and should arrange for three letters of recommendation to be sent to:

Robert S. Balaban, Ph.D
NIH/National Heart, Lung, and Blood Institute
10 Center Drive, MSC 1061, Bldg. 10, Rm. B1D-416
Bethesda, MD 20892 USA
(301) 496-3658; Balabanr@nhlbi.nih.gov.

Applications must be received no later than 6 weeks after posting of this announcement.

The NIH is an Equal Opportunity Employer. Applications from women, minorities, and persons with disabilities are strongly encouraged. The NHLBI/NIH is a smoke-free environment.

POSITIONS OPEN

FACULTY POSITIONS

Microbiology, Virology, and Immunology University of Oklahoma Health Sciences Center

The Department of Microbiology and Immunology at The University of Oklahoma Health Sciences Center invites applications for two 12-month tenure-track positions. Position One is at the **ASSOCIATE PROFESSOR** level with emphasis in virology. Applicants for Position One are expected to have established an independent research program. Special consideration will be given to individuals with expertise in viral pathogenesis using nonhuman primates; however, outstanding Scientists in all areas of virology are encouraged to apply. Position Two is at the **ASSISTANT PROFESSOR** level. Outstanding Scientists in all areas of microbial pathogenesis, immunology, or virology are encouraged to apply. A Ph.D. or equivalent degree with at least two years of postdoctoral training are required for Position Two. The successful candidates will be expected to maintain an extramurally funded research program in their field of study and to participate in the team-taught graduate, medical, and dental curricula within the Department. The Department currently has 14 full-time tenured or tenure-track faculty with more than 40 extramural grants and contracts with a multimillion dollar yearly budget. For an overview of the Department, visit our website: <http://w3.ouhsc.edu/mi>. Submit curriculum vitae, a description of research interests and teaching experience, and the names and contact information (including e-mail) of three references to: **Chair of the Search Committee, Department of Microbiology and Immunology, BMSB-1053, 940 S. L. Young Boulevard, Oklahoma City, OK 73104.** Applications will be reviewed beginning July 1, 2002. *The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer. Applications from women and ethnic minorities are strongly encouraged.*

VACCINE RESEARCH CENTER YERKES REGIONAL PRIMATE CENTER Emory University School of Medicine

Applications are invited for a faculty position at the level of **ASSISTANT** or **ASSOCIATE PROFESSOR** in the Vaccine Research Center at The Yerkes Regional Primate Research Center of Emory University. This is a tenure-track position in the Emory University School of Medicine, and the successful candidate will have an appointment in an appropriate academic department. Candidates must have a Ph.D. or M.D. degree. Candidates with demonstrated research interests in chronic viral infections are encouraged to apply, particularly those individuals using either molecular or immunological approaches, to understand the mechanisms of viral persistence. The successful candidate is expected to maintain an independent, extramurally funded research program and to participate in graduate and medical student teaching. Please submit curriculum vitae, a summary of research interests and program, and three letters of recommendation to: **Attention: Samuel H. Speck, Director of Center for Emerging Infectious Diseases, Yerkes Regional Primate Center, Emory University, 954 Gatewood Road, N.E., Atlanta, GA 30329.** *Affirmative Action/Equal Opportunity Employer.*

Four **RESEARCH ASSOCIATE POSITIONS** available immediately in Dr. Miguel Nicolelis' laboratory (see website: <http://www.nicolelislab.net>) within the newly established Duke University Center for Neuroengineering. All positions require experience in cortical-electrophysiology in behaving primates. Excellent salary (commensurate with qualifications) and generous Duke University benefits (website: <http://www.hr.duke.edu/benefits/index.html>). Send curriculum vitae, description of research accomplishments, and three professional references to: **Ms. Susan A. Halkiotis, Center for Neuroengineering, Department of Neurobiology, Box 3209, Duke Medical Center, Durham, NC 27710.** Telephone: 919-668-6031; e-mail: halkiotis@neuro.duke.edu or nicoleli@neuro.duke.edu. *Duke University is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR

Department of Pharmacology Texas Tech University Health Sciences Center

The Department of Pharmacology in the School of Medicine at Texas Tech University Health Sciences Center invites applications for a tenure-track position at the Assistant Professor level. Applicants must have a Ph.D. and/or an M.D. degree, postdoctoral training, and a quality publication record. Research within the Department is focused on cellular/molecular neuroscience and cardiovascular pharmacology and physiology and has the responsibility for teaching medical pharmacology and integrated neurosciences to graduate, medical, and other professional students. The Health Sciences Center is adjacent to the main academic campus of Texas Tech University with excellent core facilities including the Biotechnology Center for molecular biology plus gene array analysis, flow cytometry, and confocal imaging. Candidates whose interests include cellular and molecular approaches to analysis of signal transduction mechanisms, receptors, ion channels, transporters, and gene expression mechanisms related to neurological and cardiovascular disorders and drug action will receive strongest consideration. The successful candidate will be expected to establish an extramurally funded research program, to participate in graduate teaching and mentoring of students seeking the M.S. or Ph.D. degrees, and to teach in either the Integrated Neurosciences or Medical Pharmacology course. Salary and start-up funds are highly competitive. Applicants should submit current curriculum vitae; three letters of recommendation; and a summary of their research interests and goals by June 15, 2002, to: **Search Committee, Department of Pharmacology, Texas Tech University Health Sciences Center, 3601 Fourth Street, Lubbock, TX 79430.** Departmental and institutional profile on our website: <http://www.ttuhsu.edu/pharm/>.

ASSISTANT or ASSOCIATE PROFESSOR: The Department of Environmental Health Sciences invites applications for a tenure-track faculty position from scholars with a commitment to excellence in teaching and research on the relationships between the environment and human health. Research areas include exposure and/or risk assessment, industrial hygiene, human toxicology, biological monitoring, biohazards, and toxicogenomics. The Department offers graduate degrees in environmental quality, industrial hygiene, hazardous materials management, and a generalist M.S. degree. The successful applicant will contribute to our ABET-accredited industrial hygiene program, collaborate with faculty in other program areas, and have a record of externally funded research and scholarship or strong evidence of the ability to develop such a research program. Professional experience, certification, and postdoctoral or faculty experience are desirable. Send curriculum vitae; statement of professional goals; and three references (names, mailing addresses, e-mail addresses, and telephone numbers by July 1, 2002, to: **Dr. Charles E. Feigley, Ph.D., C.I.H., Chair, Search Committee, c/o Ms. Julia Pearson, Department of Environmental Health Sciences, HESC RM311, University of South Carolina, Columbia, SC 29208.** E-mail: jpearson@sph.sc.edu. *The University of South Carolina is an Affirmative Action/Equal Opportunity Employer.*

The Monterey Bay Aquarium, in collaboration with the Monterey Bay National Marine Sanctuary, invites applications for the position of **DIRECTOR OF THE SANCTUARY INTEGRATED MONITORING NETWORK (SIMON)**. The incumbent will be responsible for developing regional monitoring priorities and integrating monitoring results with resource management decision making. For details, see website: <http://www.mbayaq.org/aa/jobs.asp>. Applications should be submitted by April 5, 2002. *Equal Opportunity Employer/committed to diversity.*

POSITIONS OPEN

ASSISTANT PROFESSOR

CANCER IMMUNOLOGY The Ohio State University Department of Pathology

The Ohio State University Department of Pathology is recruiting two to three tenure-track faculty members to expand the Division of Cancer Immunology at the rank of **ASSISTANT PROFESSOR**. We are interested in individuals with significant accomplishments in molecular and cellular immunology in areas that are fundamental to T cell and NK cell recognition of cancer cells including but not limited to development, activation, differentiation, and effector function of T cell and NK cells and generation and alteration of ligands for NK and T cell tissues by T cells. Successful candidates are expected to establish independent (but interactive) and extramurally funded research programs that are complementary to current strength of cancer research at Ohio State University. Candidates with Ph.D. and/or M.D. and with three or more years of postdoctoral experience are encouraged to apply.

Interested individuals should send a copy of their curriculum vitae and the names and addresses of three individuals who can serve as professional references to:

**Yang Liu, Ph.D.
Kurtz Chair, Professor and
Director of Division of Cancer Immunology
Department of Pathology
Ohio State University Medical Center
129 Hamilton Hall
1645 Neil Avenue
Columbus, OH 43210**

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

A **POSTDOCTORAL POSITION** is available to study the molecular and cellular biology of redox signaling and its role in the control of cancer cell growth, apoptosis, and angiogenesis. The work will focus on the role of thioredoxin, glutaredoxin, and other redox proteins. This position is available immediately.

A Ph.D. and experience in MCB or related field and an interest in cancer research are required. The position offers the opportunity to learn state-of-the-art genomic and proteomic techniques and to conduct translational research if desired. Candidates should send their curriculum vitae referencing Job Number 993074, a brief statement of research interests, and names and addresses of three references to:

**Dr. Garth Powis, Director of Basic Research
Arizona Cancer Center
1515 North Campbell Avenue
Tucson, AZ 85724
E-mail: gpowis@azcc.arizona.edu
FAX: 520-626-4848**

For more information, see Job Number 993074 at website: <http://www.hr.arizona.edu>. *The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer; Minorities/Women/Disabled/Veterans.*

Two **POSTDOCTORAL POSITIONS** are available in the Department of Biochemistry, SUNY at Buffalo. The research project for the first position (LGS) is to characterize the roles of Ets proteins in regulating B cell differentiation and signaling. The second position (SS) will involve studies to identify the mechanisms by which transcription factors control development and differentiation of the skin epidermis. Both projects will utilize knockout and transgenic mice models as well as current genomic and proteomic methods. Applicants with a strong background in biochemistry, molecular biology, or genetics should send curriculum vitae and three references to: **Dr. Lee Ann Garrett-Sinha (e-mail: leesinha@buffalo.edu) or Dr. Satrajit Sinha (e-mail: ssinha2@buffalo.edu), Department of Biochemistry, SUNY at Buffalo, 140 Farber Hall, 3435 Main Street, Buffalo, NY 14214-3000.** *The Research Foundation of SUNY is an Affirmative Action/Equal Opportunity Employer.*

ASSISTANT PROFESSOR/ HEAD OF LABORATORY COMPUTATIONAL BIOLOGY

The Rockefeller University seeks applications for a tenure track Assistant Professor/Head of Laboratory appointment in any area of computational biology including population genetics and evolution: functional, structural, or comparative genomics; computational chemistry; and analysis of high throughput experiments. The preferred candidate will have a professional degree in one of the quantitative sciences and demonstrated skill in solving biological problems. Appointments at other ranks will be considered in exceptional circumstances.

Applicants should submit a Curriculum Vitae (with publication list), a statement of current and future research interests (no longer than three pages), and arrange for five letters of reference to be sent directly to: **Ms. Diane DeMann, The Rockefeller University, Office of the President, 1230 York Ave, Box 257, New York, NY 10021 USA. The closing date for applications, including letters of reference, is June 1, 2002.**



The Rockefeller University is an Affirmative Action/Equal Opportunity Employer. Further information about the research and educational programs of The Rockefeller University can be found on the Internet at <http://www.rockefeller.edu/>

Dalhousie University Faculty of Medicine

Head of Department of Anatomy and Neurobiology

Dalhousie University is seeking an individual with an active research programme as well as a strong record of accomplishments in the areas of teaching, education and administration to provide leadership for its Department of Anatomy and Neurobiology. This is a five-year appointment with the possibility of renewal. This person is expected to have a PhD and/or MD Degree and must be able to guide, direct and administer the Department's academic responsibilities in undergraduate teaching in medicine, dentistry, physiotherapy, occupational therapy, other health professions and biology as well as graduate programmes while promoting and enhancing the status of Departmental research efforts. The Department has an active Graduate Studies programme leading to the PhD degree. Department faculty members provide instruction and conduct research over a wide range of areas including Anatomy, Cell Biology, Developmental Biology, Genetics, Molecular Biology and Neurophysiology of the nervous and other systems. Neuroscience research is a major area of strength of the Department and the Faculty of Medicine.

Dalhousie University Faculty of Medicine in Halifax, Nova Scotia is the medical school for Nova Scotia, New Brunswick, and Prince Edward Island. The Faculty of Medicine web site is located at www.medicine.dal.ca.

Send applications, together with current curriculum vitae and the names and addresses of three referees, before the closing date of May 31, 2002 to: **Dr. Jean Marshall, Chair, Department of Anatomy & Neurobiology Survey/Search Committee, Faculty of Medicine, c/o Dean's Office, 5849 University Avenue, Halifax, Nova Scotia B3H 4H7.**

All qualified candidates are encouraged to apply although Canadians and permanent residents will be given priority. Dalhousie University is an Employment Equity/Affirmative Action employer. The University encourages applications from qualified Aboriginal people, persons with a disability, racially visible persons and women.

A new world of plant biotechnology has emerged in North Carolina.

Dynamic. Exciting. Innovative. BASF has brought the future of plant biotechnology to Research Triangle Park (RTP) in Raleigh-Durham, NC. It's our new plant science biotechnology research center. As a new company of BASF, it will revolutionize plant biotechnology - developing and delivering the next generation of biotech-based plant science products. You could be an integral part of our BASF Plant Science family.

Research Scientist

As a part of a team involved in improving stress tolerance in plants, you will be a laboratory leader and oversee the development of a biochemistry/physiology driven research program, as well as method development and evaluation of transgenic plants. Qualifications include a Ph.D. in plant biochemistry or plant physiology and 3+ years of post-doctoral training as well as excellent leadership, teamwork, interpersonal and communication skills. Experience in stress physiology at the whole-plant level in corn and/or soybean is highly desirable. **Code BPS0208**

Postdoctoral Scientists

Several openings are available in our groups, working towards increasing Abiotic Stress Tolerance, Seed Oil Content and Engineering Herbicide-Resistance in crops. The successful candidates will have excellent interpersonal, teamwork, leadership and communication skills. A Ph.D. in biological or agricultural sciences is required as well as specific expertise as detailed below:

Abiotic Stress

You should have a strong background in physiology at the whole-plant level. Experience with stress physiology and evaluation of transgenic plants for stress tolerance is required. Work experience in molecular biology would be desirable. **Code BPS0203**

Seed Oil Content

You should have excellent experience in molecular biology. Experience in plant physiology and/or biochemistry, preferably in seed oil metabolism, is highly desirable. **Code BPS0204**

Herbicide-Resistance in Crops

You will have excellent work experience in molecular biology. Experience in herbicide resistance at the molecular level is highly desirable. **Code BPS0205**

As an industry leader, we offer attractive salaries, comprehensive benefits and outstanding growth potential. Accelerate your career as you improve your quality of life. Send resumes to Josh Sprowl, Manager, Human Resources, BASF Plant Science, LLC, P.O. Box 13528, Research Triangle Park, NC 27709-3528. Interested candidates must reference the **Job Code** in a separate cover letter. BASF Plant Science, LLC is an equal opportunity employer. Please go to www.basf-plant-science.com for additional information.

HELPING MAKE PRODUCTS BETTER™

BASF

POSITIONS OPEN

SCIENTIST III (CHEMIST) sought by pharmaceutical research company in Denver, Colorado. Design, synthesize, purify, and characterize organic molecules important to the pharmaceutical research and development efforts of employer. Responsibilities include the design of synthetic schemes, combinatorial libraries, and mechanism-based inhibitors as well as for the development of new chemical transformations useful for the employer's drug discovery programs. Participate in research using cyclo-additions, organometallic-mediated reactions, condensations, acylations, alkylations, and cyclizations. Research using the following to structurally characterize organic molecules and probe chemical reaction mechanisms and enzymatic inhibition mechanism is also required: nuclear magnetic resonance (NMR, 1-D and 2-D); high-performance liquid chromatography (HPLC); gas chromatography (GC); mass spectrometry (MS); GC/MS; infrared spectroscopy (IR); and UV-visible spectroscopy (UV-vis). Use NMR to assign the stereochemistry of organic molecules and purify and characterize diastereomerically and enantiomerically pure organic compounds. Use of distillation, recrystallization, HPLC, and other chromatographic techniques for the purification of chemical compounds is also required. Requires Ph.D. or foreign equivalent in chemistry; three years of postgraduate experience conducting research in organic chemistry with at least one year being in an industrial experience; working knowledge of 1-D and 2-D NMR, HPLC, GC, MS, GC/MS, IR, and UV-vis spectroscopy. Hours: 8 a.m. to 5 p.m. Monday through Friday. Salary: \$68,000 per year. Respond by résumé to: **James Shimada, Colorado Department of Labor and Employment, Employment and Training Division, Tower II, Number 400, 1515 Arapahoe, Denver, CO 80202.** Refer to Job Order Number CO5013358.

NMR SPECTROSCOPIST/ FACILITY MANAGER The City College, CUNY

Applications invited for a full-time NMR Spectroscopist in the Department of Chemistry to manage, administer, and maintain the expanding NMR facility consisting of high-resolution 600, 500, 300, and 200 MHz spectrometers. Additional responsibilities include but are not limited to purchase of supplies; general repair and upkeep of the instrumentation; and instructing, assisting, and collaborating with students, staff, and faculty users of the NMR facility in the design and execution of experiments in areas of organic chemistry, biochemistry, and structural biology. Requirements: Ph.D. in chemistry or related fields, expertise in NMR operation and maintenance, and good computer skills. Salary commensurate with experience and qualifications. Send curriculum vitae describing experience and arrange to have three confidential letters of recommendation sent at the time of application to: **Professor Stanley Radel, Chair, Department of Chemistry (PVN Number MP-1057PO), The City College/CUNY, Convent Avenue at 138 Street, New York, NY 10031.**

An Affirmative Action/Equal Opportunity/Americans With Disabilities Act/Immigration Reform and Control Act Employer.

Two **RESEARCH PHYSICISTS** for Northwestern Ohio scientific research/consulting firm. Under supervision of senior research staff, conduct research into (1) analysis of physical phenomena in a plasma display panel (PDP) cell and development of its physical model; (2) development of computer models and multidimensional numerical algorithms for simulation of gas discharge processes in a PDP cell; (3) implementation of the numerical algorithm as a software program on a personal computer; and (4) analysis of the simulation results to find ways to optimize the PDP panel. Master of Science degree in physics with Master's thesis in subject area of plasma physics and graduate-level courses in numerical mathematics and computational physics or computational fluid dynamics required. Forty hours per week; Monday through Friday, 8 a.m. to 5 p.m., \$56,500 per year. Apply by résumé to: **V. Nagorny, Vice President, Plasma Dynamics Corp., 1004 Waterville-Monclova Road, Waterville, OH 43566.**

POSITIONS OPEN

CARDIOVASCULAR PATHOLOGIST DEPARTMENT OF PATHOLOGY University of Alabama, Birmingham

The Division of Anatomic Pathology and the Division of Molecular and Cellular Pathology in the Department of Pathology, University of Alabama at Birmingham, invite applications from dynamic Investigators with a commitment to basic IC research in cardiac or vascular biology for a full-time tenured, tenure-track, or nontenure-track faculty position. Salary and rank will be commensurate with experience and background. An attractive start-up package and ample research space are available. The successful candidate will be an M.D. or M.D./Ph.D. with residency training or Ph.D. incorporating anatomic pathology. This individual will join a large faculty in a state-of-the-art department with a rich and diverse program in teaching; diagnostic service; and basic, clinical, and translational research. The Ph.D., residency, and subspecialty residency (Fellowship) training programs are large and growing. The clinical base is large and diverse including heart transplantation. For Physician Investigators, this full-time position offers significant protected time and a modest service commitment. Those applying above the rank of **ASSISTANT PROFESSOR** are expected to have a demonstrated record of both productivity and extramural support. UAB has several Programs and Centers of Excellence including The Comprehensive Cancer Center, the Center for Metabolic and Bone Diseases, AIDS Center, Macromolecular Crystallography Center, and the Hypertension and Vascular Biology Program. Interested candidates should submit a letter of interest and detailed curriculum vitae including a list of publications to: **Gene P. Siegal, M.D., Ph.D., Professor and Director, UAB Department of Pathology, Division of Anatomic Pathology, University of Alabama at Birmingham, 506 Kracke Building, 619 19th Street South, Birmingham, AL 35233-6823** or **Thomas M. Lincoln, Ph.D., Vice Chair for Research and Director, UAB Department of Pathology, Division of Molecular and Cellular Pathology, Volker Hall, Room G001, 1670 University Boulevard, Birmingham, AL 35294-0019.** *The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer and welcomes applications from qualified women and minorities.*

Physiology faculty position: A full-time position at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level is available in the Department of Physiology at the College of Medical Sciences at Nova Southeastern University in Fort Lauderdale, Florida. The candidate's responsibilities will include participation in team-taught human physiology courses to health profession students, scholarship, and service. Individuals with teaching experience in endocrine or renal physiology at the medical-school level will be given special consideration. The position requires a Ph.D. Although primarily a teaching position, opportunities for research also exist. Salary is dependent upon qualifications. Please send a letter of interest; curriculum vitae; and the names, addresses, and telephone numbers of three professional references to: **Position Number 999028, Nova Southeastern University, Office of Human Resources, 3301 College Avenue, Ft. Lauderdale, FL 33314. FAX: 954-262-3813; e-mail: nsujobs@nova.edu** (in MS Word or Word/Note Pad format); **website: http://www.nova.edu.**

Affirmative Action/Equal Opportunity Employer.

A **POSTDOCTORAL RESEARCH ASSOCIATE** position is available to investigate the metabolism of chemical carcinogens, DNA repair, and expression of p53 and p21 proteins. A Ph.D. in biochemistry, biochemical toxicology, or a related field is required. Experience with HPLC and Western and Northern blotting techniques is desirable. Please send résumé and names of three references to: **Dr. H. Sikka, Environmental Toxicology and Chemistry Laboratory, Great Lakes Center, State University of New York College at Buffalo, 1300 Elmwood Avenue, Buffalo, NY 14222. Telephone: 716-878-5422; FAX: 716-878-5400; e-mail: sikkahc@buffalostate.edu.**

POSITIONS OPEN

STAFF SCIENTIST

Molecular Glaucoma Group, Molecular Genetics Section, Laboratory of Molecular and Developmental Biology, National Eye Institute, National Institutes of Health, is seeking applications for a Staff Scientist with experience and established track record in molecular, cellular, and developmental biology with particular emphasis on neuroscience and vision research. Research projects include development of rodent models of glaucoma, identification and characterization of genes involved in glaucoma, and elucidation of molecular changes in eye tissues with glaucoma progression. The position is a time-limited appointment, renewable indefinitely upon mutual agreement, and is intended to be long-term with the individual playing a major role in maintaining research continuity within the laboratory. This is not a Principal Investigator position and is not endowed with independent funding, space, or autonomy. Salary is commensurate with the degree of relevant experience and training in the field with the range starting at \$66,229 per annum. Applicants must have a Ph.D. or M.D. degree. Interested candidates should send a statement of research interests and goals, curriculum vitae, bibliography, and contact information for three references to: **Dr. Stanislav Tomarev, Laboratory of Molecular and Developmental Biology, National Eye Institute, NIH, Building 6, Room 2A04, 6 Center Drive MSC 2730, Bethesda, MD 20892-2730. Telephone: 301-496-8524; FAX: 301-496-8760; e-mail: tomarev@nei.nih.gov.** *NIH/NEI is an Equal Opportunity Employer.*

DEPUTY CHIEF OPERATING OFFICER Sidney Kimmel Cancer Center San Diego, California

The Sidney Kimmel Cancer Center, located in San Diego, is a private, not-for-profit research institute dedicated to the development of novel biological therapies of cancer and other related diseases (visit our **website: http://www.skcc.org**). We are looking for a strong administrator to fill the role of Deputy Chief Operating Officer. This position will work with the COO to provide overall institutional administrative direction and control. Requires 10 or more years of experience in research management at a level of increasing responsibility, preferably in a cancer center. Also requires a clear record of success in grants management with high-level responsibility for financial management, policy formulation, staff supervision, and management of intramural or extramural research.

Interested candidates should send their résumés to:

**Dr. Albert B. Deisseroth, President and CEO
c/o Human Resources, VPASC
Sidney Kimmel Cancer Center
10835 Altman Row
San Diego, CA 92121
FAX: 858-410-4222**

E-mail: humanresources@skcc.org
Affirmative Action/Equal Opportunity Employer.

RESEARCH SCIENTIST wanted for faculty position at the NYU Hospital for Joint Diseases Musculoskeletal Research Center. Recently completed **POSTDOCTORAL FELLOW** to conduct studies using molecular biology techniques on skeletal development, cartilage repair, gene therapy, and stem cell differentiation. Experience with transgenic and recombinant protein techniques preferred. Salary commensurate with experience; full benefits. **E-mail: lorrashc@yahoo.com; Telephone: 212-598-6567; FAX: 212-598-6096.**

Dana Farber Cancer Institute, Harvard Medical School. **POSTDOCTORAL FELLOW POSITION** available in the area of genomic instability/mutation detection. The focus of this work is the development of new technologies for early detection of low-frequency mutations in the genome and correlation to cancer induction. Proficiency with molecular biology techniques/PCR is a prerequisite for this position and prior experience in mutation detection/microarray techniques is an advantage. Contact: **M. Makrigiorgos, Ph.D.; e-mail: mmakrigiorgos@partners.org.**

University of North Carolina Program on Bioterrorism and Emerging Infections

The University of North Carolina is seeking to fill a senior faculty position to establish/lead a major new multidisciplinary research/training program in bioterrorism preparedness and emerging infections. The Program will create and foster linkages with other units in the University, NC county health departments and state and regional facilities through the existing CDC-funded NC Center for Public Health Preparedness. The individual selected will provide intellectual support for affiliated researchers working on problems ranging from basic science of biologic agents, epidemiologic studies of emerging pathogens and systems research for community preparedness. The ideal candidate will have had extensive prior experience in mentoring junior faculty, working with public health programs, securing grant support and publishing in appropriate peer-reviewed literature. The initial appointment will be in the Department of Epidemiology at the UNC School of Public Health with joint appointments strongly encouraged.

Review of applications will continue until this position is filled. Applications, including a cover letter and complete resume, should be sent to:

Dr. Robert W. Ryder
Chair Bioterrorism and Emerging Infections Search Committee
c/o Ms. Lesa McPherson
Department of Epidemiology, CB #7435
University of North Carolina
Chapel Hill, NC 27599-7435

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Frimorfo Inc. (www.frimorfo.com) is a young successful biotech company specialized in the histopathological characterization of genetically modified animals. The company offers its expertise as a service primarily to the leaders of Biotech Pharmaceutical Industry.

As a part of our further development plans we are looking for a

Director Technical Services

In this challenging opportunity you will directly report to the CEO and will be able to make a significant contribution to the growth and the success of the company. The main responsibilities are:

- Ensure quality, timeliness, and value of our services, lead and manage the execution of the projects
- Assist marketing in procurement of orders in close communication with customers and where necessary joining marketing in customer visits
- Continuously improve the technology and the scope of the services offered, also by establishing collaborations with other leading scientific groups and evaluating the latest developments in the field
- Manage an international group of highly skilled, experienced, human and veterinary pathologists and molecular biologists
- As a member of management team participate in the development and implementation of business development plans
- Represent Frimorfo in scientific conferences, establish contacts to opinion leaders in the field

We require:

- M.D., or DVM with strong scientific background
- Minimum 4 years of experience in a leading position in a research department of a global pharmaceutical company
- Experience in human pathology, phenotyping, using mice as disease models, or other related area
- Highly initiative personality with strong communication, interpersonal and organizational skills

We offer a highly stimulating work environment, the freedom to accomplish and excel. You will be compensated with a competitive salary and participate in company's bonus and option plan. The interested candidates please send your CV to stefania.rieder-cilia@frimorfo.com



Duke University Medical Center

Faculty Positions in Molecular and Human Genetics Center for Human Genetics Duke University Medical Center

The Center for Human Genetics is seeking Ph.D. or M.D./Ph.D. applicants for assistant or associate professor faculty positions. Faculty candidates with a wide range of experience in human molecular genetics are encouraged to apply, with special emphasis placed on those with expertise in the molecular genetics of cardiovascular or pulmonary systems. Candidates will be expected to supervise existing molecular genetics research and to establish an independent research program. All applicants should have demonstrated expertise in human genetics.

Applicants should send a C.V. to:

Molecular and Human Genetics Faculty Search Committee
c/o Dr. Jeffery M. Vance, Ph.D., M.D.,
Professor of Medicine
Center for Human Genetics
Duke University Medical Center
Box 2903
Durham, NC, 27710

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GLOBAL OPPORTUNITIES

Vice-President, R&D

PANBIO Limited

Location: Brisbane, Australia

PANBIO is an Australian biotechnology company specialising in the development, manufacturing and marketing of diagnostic kits for 30 infectious diseases. Its product range includes more than 60 diagnostic tests, most of which are developed and manufactured at its Brisbane headquarters and in the United States.

The company boasts a 13-year track record of innovation and revenue growth with sales growth of 189 per cent over the past five years.

Research and development is central to PANBIO's business and has allowed the company to develop most of its products in-house. Their R&D activities are supported by collaborative research projects and alliances which extend to partners located in the United States, Australia, Thailand, Malaysia and the United Kingdom. PANBIO aims to continue its growth by accelerating its R&D program to develop new technology platforms and extend its product range.

You will hold a PhD in an appropriate discipline, have a minimum of five years experience in managing research and development functions, and have a strong knowledge of immunoassay principles and multi-platform technologies such as ELISA, lateral-flow rapid tests and molecular biology-DNA diagnostics.

A team-oriented approach and the ability to expedite products through to market release is essential, and you must have a liking for new product development and market exploitation. In some cases the company seeks FDA approval for its products.

A highly attractive salary package that includes car and bonuses will be negotiated with the successful candidate.

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resume@qld.cmconsult.com.au



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POSITIONS OPEN

MICROBIOLOGIST

The DHHS/Food and Drug Administration (FDA)/National Center for Toxicological Research (NCTR), Division of Microbiology, is seeking **RESEARCH MICROBIOLOGISTS** with expertise in food microbiology, anaerobic bacteriology, and environmental biotechnology to continue ongoing research in the following general research areas: (1) molecular genetics of antibiotic resistance, (2) molecular approaches for the detection of foodborne pathogens, (3) effects of antimicrobials on human intestinal microflora, and (4) molecular analysis of pathways for the biodegradation of persistent environmental contaminants. NCTR is a research facility of FDA and located 35 miles south of Little Rock, Arkansas. This is a permanent U.S. civil service position at the GS-12 or GS-13 level (depending on qualifications) with a salary range of \$54,275 to \$83,902. Requirements include U.S. citizenship and a Ph.D. in microbiology plus relevant experience in microbial physiology, food microbiology, biodegradation of xenobiotics, anaerobic bacteriology, proteomics, gene expression/regulation, and microbial genetics is desired. Please send or FAX résumé to: **Dr. Carl E. Cerniglia, Director, Division of Microbiology, National Center for Toxicological Research, 3900 NCTR Road, Jefferson, AR 72079. Telephone: 870-543-7341; FAX: 870-543-7307; e-mail: ccerniglia@nctr.fda.gov. FDA/NCTR is an Equal Opportunity Employer.**

POSTDOCTORAL POSITIONS Molecular and Cellular Biology

Postdoctoral Fellowships are immediately available in National Institute for Occupational Safety and Health to study (1) molecular mechanisms of carcinogenesis of occupational-related agents including ultraviolet light, crystalline silica, and heavy metals and (2) molecular mechanisms of chemopreventive effects of natural antioxidant compounds. Applicants should possess a strong background in molecular biology, intracellular signaling, and biochemical techniques. Minimal salary: \$37,500 per annum. Send curriculum vitae, brief description of research, and names/telephone numbers of three references to: **Min Ding, M.D., Ph.D., Pathology and Physiology Research Branch, National Institute for Occupational Safety and Health, 1095 Willowdale Road, Morgantown, WV 26505. E-mail: mid5@cdc.gov.**

POSTDOCTORAL FELLOWSHIP in molecular cardiovascular biology at University of California San Francisco Cardiovascular Research Institute. Current projects focus on signaling/gene transcription governing cardiomyocyte proliferation and differentiation. Systems include primary cell culture and mouse models. Applicants must have Ph.D. and/or M.D., strong background in molecular/cellular biology, and U.S. citizen/permanent resident status. Send curriculum vitae, research summary, and names of three references to: **H.S. Bernstein, M.D., Ph.D., University of California, San Francisco, 505 Parnassus Avenue, Box 0130, San Francisco, CA 94143-0130. FAX: 415-514-0235; e-mail: hsbernstein@pedcard.ucsf.edu; website: http://bernstein.ucsf.edu. Affirmative Action/Equal Opportunity Employer.**

The Department of Cancer Biology of Wake Forest University is offering a two-year **POSTDOCTORAL RESEARCH POSITION** to a qualified Ph.D. interested in pursuing laboratory research training in cancer biology. The selected individual will be able to choose from over 20 senior faculty mentors to investigate basic and translational issues in carcinogenesis, cancer cell biology, tumor immunology, or novel therapeutics. Interested individuals should contact: **Dr. Steven Akman, Department of Cancer Biology, Wake Forest University School of Medicine, Winston-Salem, NC 27157. E-mail: sakman@wfubmc.edu.** Traineeships are supported by a training grant from the National Cancer Institute. *Affirmative Action/Equal Opportunity Employer. Only U.S. citizens or permanent residents may apply.*

POSITIONS OPEN

DIRECTOR: AFRICA PROGRAM DIRECTOR: ASIA PROGRAM Wildlife Conservation Society (Founded in 1895 as the New York Zoological Society)

Applications are invited for the two positions of Director of the Africa Program and Director of the Asia Program. The Director/Africa currently promotes biological conservation through overseeing approximately 100 Wildlife Conservation Society (WCS) field projects in 20 countries in Africa; the Director/Asia does so for approximately 100 projects in 17 countries in Asia. Each Director establishes program priorities, develops strategic approaches, and coordinates financial and administrative support to the field. Additionally s/he coordinates with the other WCS programs and with other national and international organizations. Finally s/he promotes biological conservation among national governments, international agencies, and other nongovernmental organizations; directs international attention to important sites for conservation; and influences policies that promote conservation. Deadline for applications is 15 April 2002. The candidate must possess a Ph.D. or extensive field experience in a field related to conservation of biological diversity, a minimum of five years of experience in the management of conservation programs in the associated continent, and written and spoken fluency in English and French (Africa only). Please send curriculum vitae, letter of interest summarizing research and conservation experience, and list of references to: **Dr. Kent H. Redford, International Conservation, Wildlife Conservation Society, 2300 Southern Boulevard, Bronx, NY 10460 U.S.A.**

ASSISTANT/ASSOCIATE PROFESSOR Terrestrial Biogeochemistry

Ph.D. in ecology, soil science, ecosystem science, or related field required. The following are also required: demonstrated potential to develop and maintain a vigorous, extramurally funded research program; demonstrated ability to publish in refereed journals; expertise in biogeochemical cycling with emphasis on soil-plant interactions and/or landscape scale studies; and demonstrated effectiveness in field research. Postdoctoral experience is highly desirable. University teaching experience preferred, particularly experience related to experiential learning. For appointment at the Associate level, an established record of research, publication, and teaching is required. This is a tenure-track, academic-year position starting July 1, 2002. For information about the duties and responsibilities and about the Department of Natural Resources Science, please visit website: <http://www.edc.uri.edu/nrs/>. Qualified persons should submit a letter of application; curriculum vitae; statements of teaching philosophy and research direction; transcripts; and three letters of reference by May 3, 2002, to: **Jose Amador, Search Committee Chair, (Log Number 191231), University of Rhode Island, P.O. Box G, Kingston, RI 02881. The University of Rhode Island is an Affirmative Action/Equal Employment Opportunity Employer and values diversity.**

The Department of Anatomy and Cell Biology invites applications for an **ASSISTANT PROFESSOR**. Applicant should have a Ph.D., M.D., or equivalent degree with prior teaching experience in medical gross anatomy and demonstrated ability to conduct independent research. The successful applicant will be expected to participate in medical and graduate education and will be encouraged to pursue independent research. Curriculum vitae, a brief description of previous and anticipated research, and the names of three references should be sent to: **M.A.Q. Siddiqui, Ph.D., Professor and Chair, Department of Anatomy and Cell Biology, SUNY Health Science Center at Brooklyn, 450 Clarkson Avenue, Box 5, Brooklyn, NY 11203. FAX: 718-270-3732. The State University of New York is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

FACULTY POSITIONS IN IMMUNOLOGY Massachusetts General Hospital Harvard Medical School

The newly formed Massachusetts General Hospital Center for Immunology and Inflammatory Diseases seeks outstanding Investigators to join an interactive group interested in basic mechanisms of immune and inflammatory diseases. Of particular interest are those applicants whose programs address cytokine signaling, dendritic cell biology, leukocyte trafficking, or autoimmunity although all outstanding candidates will be considered. Applicants may have an M.D., Ph.D. or M.D./Ph.D. degree and a demonstrated record of academic accomplishments. Academic appointments will be at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level in the Department of Medicine at Harvard Medical School with an opportunity to participate in the Immunology Graduate Program at Harvard Medical School. The positions will be highly competitive with regard to start-up funds, laboratory space, and salary.

Andrew D. Luster, M.D., Ph.D.
Director, Center for Immunology and Inflammatory Diseases
Chief, Division of Rheumatology,
Allergy, and Immunology
Massachusetts General Hospital
Building 149, 13th Street, Room 8301
Charlestown, MA 02129
FAX: 617-726-5651

E-mail: luster@helix.mgh.harvard.edu

A4 Scientific, Inc., is a scientific and environmental analysis organization specializing in providing accurate chemical and environmental analyses of soil, water, and air and customized environmental compliance reporting services to private and government entities including the EPA, U.S. Air Force, Navy, and Army. We are currently looking for the following:

CHEMICAL QUALITY CONTROL ANALYSTS: Perform chemical analysis of soil, water, and wastewater to monitor and control treatment plant operations, industrial discharges, and the quality of potable water. Engage in analysis using the operating laboratory instruments including gas chromatograph (GC); mass spectrometer (MS); HPLC; and inductively coupled plasma spectrophotometer, AA spectroscopy, conductivity, specific ion meters, atomic absorption spectrophotometer, and related equipment used to analyze compounds and elements in water, wastewater sludge, and other substances. Conduct laboratory research, apply computer skills to collect data, control instrumentation, calculate results, and prepare reports using Microsoft Access and Visual Basic. Requires a Master's degree in science with a concentration in chemistry or related field.

Send résumé to: **Human Resources Manager, Mark Masino, A4 Scientific Inc., 1544 Sawdust Road, Suite Number 505, The Woodlands, TX 77380. Telephone: 281-292-5277; e-mail: mail@a4scientific.com.**

POSTDOCTORAL RESEARCH ASSOCIATE Brookhaven National Laboratory

The Medical Department of Brookhaven National Laboratory presently has an immediate opportunity for a Research Associate to work under an NIH grant on rodent models of drug abuse and employing the techniques of PET and SPECT brain imaging. Requires a Ph.D. or M.D. with interest in pharmacological studies and an emphasis on drug abuse. The candidate will join a large neuroscience group interested in the brain actions of cannabinoids, cocaine, methylphenidate, nicotine, and other drugs of abuse. Imaging facilities include a small animal PET scanner, two clinical PET scanners, SPECT, small animal MRI, and a high-field clinical MRI. *Candidate must be a permanent resident or U.S. citizen. For further information, contact: Dr. A.N. Gifford or Dr. S.J. Gatley; website: <http://www.bnl.gov/medical/>.* Interested candidates should submit curriculum vitae indicating position number MK2364 to: **M. Kipperman, Brookhaven National Laboratory, Building 185, P.O. Box 5000, Upton, NY 11973-5000. BNL is an Equal Opportunity Employer committed to workforce diversity.**

**NEW PATENT RELATED CAREER OPPORTUNITIES FOR
CHEMISTS – ENGINEERS IN ALL DISCIPLINES
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**BACHELORS TO DOCTORAL DEGREES
THROUGHOUT THE UNITED STATES, WESTERN EUROPE AND JAPAN**

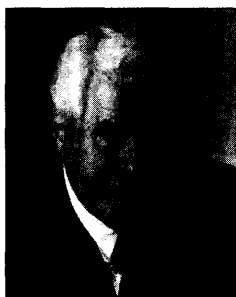
The patent and intellectual property departments of the corporations and law firms below (listed randomly) seek to employ professionals with Bachelors to Doctorates having the appropriate technical or scientific backgrounds, with work experience from none to 30 years or more. Although not all the listed organizations always have openings for such professionals, a changing majority *always* do. Interested professionals should have a basic knowledge of U.S. patent law, *which can be readily acquired in Professor Kayton's Patent Resources Group (PRG) course, as explained below.*

**General Electric – Novartis Corporation – Merck & Co., Inc. – Intel Corporation
Pitney Bowes Inc. – Eastman Kodak Company – AstraZeneca – Philips Electronics
Aventis Pharmaceuticals – PPG Industries, Inc. – Akzo Nobel Inc. – Caterpillar Inc.
American Home Products Corporation**

**Pillsbury Winthrop – Fish & Richardson – Burns, Doane, Swecker & Mathis – Hogan & Hartson
Robins, Kaplan, Miller & Ciresi – Oblon, Spivak, McClelland, Maier & Neustadt – Cox & Smith
Foley & Lardner – Welsh & Katz – Finnegan, Henderson, Farabow, Garrett & Dunner
Birch, Stewart, Kolasch & Birch – Christensen O'Connor Johnson Kindness – Dorsey & Whitney**

You could fill one of the following staff positions (the types vary with the organization), that combines the application of both scientific-technical and patent law knowledge:

- Patent Agent (non-lawyer scientist-engineer) registered to practice patent law before the U.S. Patent Office
- Patent-Technical Paralegal
- Scientific or Engineering Consultant with basic patent law training
- Patent Liaison Professional
- Patent Scientist-Engineer Search Specialist



Professor Kayton

The patent law training that is requisite for these staff positions is achieved in *Professor Kayton's* PRG course comprising 44 hours of either live classroom lectures (presented in several cities) or home study video lectures, all based upon, and accompanied by, texts designed *expressly for professionals with no legal background.*

Each organization listed above has agreed with PRG to reimburse you for your PRG course tuition investment, if you are offered and you accept employment with the organization in a patent law related position.

Demonstrating that you have basic patent law knowledge is supported by passing a six-hour U.S. Patent Office Exam. Alumni of *Professor Kayton's* PRG course have regularly passed the exam in numbers that far exceed the national average.

After you become one of those successful alumni, you may opt to have PRG forward your resumé for consideration by as many of the listed organizations as you choose. These organizations are willing to review the resúmes of successful alumni who have appropriate scientific or technical backgrounds. Most of the participating organizations now employ *Professor Kayton's* alumni.

Professor Kayton proposes to open for you new and exciting professional vistas with richly satisfying rewards, as he did for himself long ago, and as he has done for *many thousands* of scientists and engineers during the past 35 years.

For further details, or to register for the PRG course, or to view a PRG course brochure, visit:

www.DrKayton.com

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67th Cold Spring Harbor Symposium on Quantitative Biology



The Cardiovascular System

May 29 - June 3, 2002

Organized by:

Bruce Stillman & David Stewart, Cold Spring Harbor Laboratory

Topics

Angiogenesis/Anti-angiogenesis
Arrhythmogenesis/Channels
Atherosclerosis
Excitation and Contraction
Heart and Vascular Development
Hypertension
Hypertrophy/Heart Failure
Myocyte Biology

Abstracts due: Please call us

Posters will be limited to a maximum of 120 total

Partial list of speakers

Kari Alitalo	Mark Fishman	Timothy Mohun
Jeffrey Arbeit	Manfred Frasch	Karen Moulton
Antonio Baldini	Richard Harvey	Charles Murry
Robert Benezra	Jay Horton	Eric Olson
Laura Benjamin	Richard Hynes	Renata Pasqualin
Gabrielle Bergers	Seigo Izumo	Richard Roman
Helen Blau	Rakesh Jain	Nadia Rosenthal
David Cheresh	Raghu Kalluri	Maria Rupnick
Kenneth Chien	Daniel Kelly	Thomas Sato
Thomas Coffman	Paul Krieg	Christine Seidman
Jonathon Cohen	Andrew Lassar	Jonathan Seidman
Shaun Coughlin	Leslie Leinwand	Celeste Simon
Harold Dvorak	Richard Lifton	Deepak Srivastava
Jonathan Epstein	Douglas Mann	Didier Stainier
Neal Epstein	Eduardo Marban	Brant Weinstein
Napoleon Ferrara	Andrew Marks	George Yancopoulos
Glenn Fishman	Elizabeth McNally	Joseph Yost
Mark Mercola		

Other 2002 CSHL Meetings

Evolution of Developmental Diversity April 17 - 21
Gene Expression and Signalling in the Immune System April 24 - 28
Molecular Chaperones and the Heat Shock Response May 1 - 5
Genome Sequencing & Biology May 7 - 11
The Cell Cycle May 15 - 19
Retroviruses May 21 - 26
Cancer Genetics & Tumor Suppressor Genes August 14 - 18
Molecular Genetics of Bacteria & Phages August 20 - 25
Mouse Molecular Genetics August 28 - September 1
Translational Control September 10 - 15
Dynamic Organization of Nuclear Function September 18 - 22
Axon Guidance & Neural Plasticity September 25 - 29
Molecular Genetics of Aging October 2 - 6
Germ Cells October 9 - 13
Human Origins & Disease October 30 - November 3
Tissue Engineering November 21 - 24
Therapeutic Opportunities in Neurodegenerative Diseases Dec 5 - 8
Comparative Plant Genomics December 12 - 15

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email meetings@cschl.edu www.cshl.edu/meetings

Call for Proposals

BMBF Competition "BioFuture"

The German Federal Ministry of Education and Research (BMBF) intends to give younger scientists from Germany and abroad with experience in heading a research group the opportunity to work on new, basic research-oriented approaches in the biosciences in Germany, independently and in their own team in order to generally improve chances for a further career in science or economy in Germany or to aim at self-employment in the private sector (e.g.; by setting up businesses or spin-out companies) in the medium term.

The teams (staff: 1 group leader, 1-2 postdocs, 1-2 doctoral students, 1-2 technicians; investments and expendable materials; depending on technical support required each) are to work for a period of 5 years on topics in the frontiers of biology and neighbouring disciplines such as chemistry, physics, mathematics, informatics, engineering sciences, nanotechnology, etc.

For the projects selected by a jury, nonrepayable grants will be awarded in the form of project funding.

Deadline: August 9, 2002 (fifth call)

For further information:

www.fz-juelich.de/ptj/contentory/index.lw?index=631

Forschungszentrum Jülich GmbH, Projektträger Jülich,
Außenstelle Berlin, Wallstrasse 17-22, D-10179 Berlin, Germany

Dr. A. Hache/ Dr. C. Junge, Tel.: +49 (0) 30/20199-466
Fax: +49 (0) 30-20199-470, e-mail: a.hache@fz-juelich.de

Dr. H.-P. Peterson, Tel.: +49 (0) 2461/61-3782
e-mail: h.-p.peterson@fz-juelich.de



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Three innovative Master's programmes for the future leaders of the high-technology, science and engineering sectors, are being offered at the University of Cambridge from Autumn 2002. Taught by faculty from both sides of the Atlantic, these programmes offer an unparalleled educational experience. Combining a discipline base in science or engineering with business and entrepreneurship modules taught at the Judge Institute of Management, all three emphasise practical applications, case studies and interaction with industry. Some bursaries are available for outstanding UK candidates.

BioScience Enterprise Aimed at the industry leaders and biotech entrepreneurs of the future, this programme will provide up-to-date knowledge of the latest advances in biological and medical science, together with business management and the ethical, legal and regulatory issues associated with bringing scientific advances to the market. Case studies of industry successes and failures will illustrate the possibilities and limitations of exploiting scientific discoveries. Students will interact with those on the Biomedical Enterprise Programme at MIT. (www.bio.cam.ac.uk/gradschool/bioenterprise)

Technology Policy The deployment of technology is increasingly bound up with complex economic, socio-political and environmental issues and there is a growing need for engineers and scientists who have the knowledge and skills required to lead in these areas. Combining engineering courses with modules on technology policy, risk assessment and economics, this degree will provide the necessary expertise. (www.jims.cam.ac.uk/programmes/mphil_techpol/mphil_techpol_f.html)

Environmental Engineering and Sustainable Development Sustainable development is becoming increasingly important in all aspects of engineering and emerging governmental policy and legislation is boosting the demand for professionals who can develop systems that do more with less, are cleaner in production and meet complex demands. Aimed at rising star professionals in engineering and built environment firms, this course will provide the skills needed to formulate systems, technologies and attitudes that meet the challenge of sustainable development. (www.eng.cam.ac.uk/teaching/CMI-SustDvlp.html)

The Cambridge-MIT Institute (CMI) is a bold new partnership between two world-class organisations, The University of Cambridge and The Massachusetts Institute of Technology (www.cmi.cam.ac.uk). Our mission is to convert pioneering research and teaching excellence into economic success. For further details about these programmes please contact CMI on executiveprogramme@cmi.cam.ac.uk or by telephoning +44 (0)1223 448762.



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Research Tools Development Grants Program

Creating the future of biotech—together

Invitrogen announces the Research Tools Development Grants Program for the discovery, development, and commercialization of innovative tools in life science research. New and established investigators working in academics, not-for-profit institutions, and for-profit companies such as start-up biotechs are encouraged to apply. Funded at \$5 million per year, annual awards can be up to \$100,000. Grants are provided on a quarterly basis, with each quarter focusing on a specific field of interest.

For the second quarter of 2002 we're funding research in **Functional Analysis**, understanding how genes and their corresponding proteins function and interact *in vitro* and *in vivo*. This includes expression, identification, interactions, localization, modifications, and activities, as well as bioinformatics and microarray projects. Deadline for full Grant Proposals is June 1. Future topics for 2002 are separations and purification (deadline September 1) and amplification, labeling, and quantitation (deadline December 1). Please submit a preproposal prior to a full Grant Proposal. Visit www.invitrogen.com for more information, or contact us at grants@invitrogen.com or at 800 955 6288, ext. 66140 (760 476 6140).

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CONFERENCES

First International Conference on Vascular Targeting

June 12-14, 2002

Royal Sonesta Hotel, Cambridge, MA

Program Director:

Philip Thorpe, Ph.D., Professor,
Department of Pharmacology,
The University of Texas Southwestern
Medical Center at Dallas

Research Advisors:

David Blakey, Ph.D., Cancer and Infection
Bioscience Department, AstraZeneca,
Macclesfield, UK
Dai Chaplin, Ph.D., Oxigene, Inc.,
Boston, USA

Vascular Targeting is rapidly gaining recognition as a leading new technology in the fight against cancer. The program will cover vascular targeting from basic science to clinical trials and will highlight differences from anti-angiogenic approaches.

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Call: 1-800-688-8678

Email: francie.issa@UTSouthwestern.edu

NEUROSCIENCE

THE EJLB FOUNDATION

SCHOLAR RESEARCH PROGRAMME

The EJLB Foundation awards each year up to seven (7) grants for research projects in all areas of neuroscience that pertain directly or indirectly to schizophrenia and mental illness. Specific areas of support in the past have included: developmental neurobiology, synaptic mechanisms, systems and cognitive neuroscience, and clinical studies on the genetic and physiopathologic aspects of neurological and psychiatric disorders.

Eligibility for such grants is restricted to young scientists who are pursuing an independent research career and have given evidence of having significant potential. It is also a requirement that these scientists (i) have earned an MD and/or a Ph.D. degree; (ii) have completed their post-graduate training; and (iii) have been admitted after **June 15, 1997** as faculty members of a leading university, or an affiliated non-profit research centre, in Canada or elsewhere in the world.

Each grant is of CAN\$300,000, is disbursed over three (3) years and is non-renewable.

The next closing date for receipt of letters of intent is **May 1, 2002**.

Full details regarding this programme and required letter of intent forms may be obtained from:

The EJLB Foundation
1350 Sherbrooke Street West, Suite 1050
Montréal QC H3G 1J1
Canada
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POSITIONS OPEN

POSTDOCTORAL POSITION Enzymology

Position available immediately to study mechanistic aspects of reactions catalyzed by tissue transglutaminase, an enzyme that is involved in the pathogenesis of Huntington's disease and other neurodegenerative diseases. These studies will form the basis of a drug discovery program focusing on strategies of screening and mechanism-based design. Candidates for the position will have a Ph.D. in chemistry or biochemistry and have expertise in kinetic and mechanistic analysis of enzyme-catalyzed reactions. Experience in mutagenesis or organic synthesis is desirable. Send curriculum vitae, publication list, and the names of three references to: **Dr. Ross L. Stein, Director, Laboratory for Drug Discovery in Neurodegeneration, Harvard Center for Neurodegeneration and Repair, 65 Landsdowne Street, Fourth Floor, Cambridge, MA 02139.** Or send this information as an attachment to e-mail: rstein@rics.bwh.harvard.edu. For information about our new drug discovery facility, see website: <http://hcnr.med.harvard.edu/>.

Multiple **POSTDOCTORAL POSITIONS** are available for motivated individuals studying TGF- β /BMP signaling and their functions in bone, breast, and prostate cancer. Our laboratory is investigating novel mechanisms of Smad proteins and Smads-mediated cross-talk with steroid hormones (*EMBO Report* 3:2; 171-176; *JBC* 277:6; 4176-4182). Successful applicants should have clear academic career goals with experience in transgenic mice, molecular biology, kinase signaling, or cell biology. Interested individuals should send curriculum vitae, contact information, and three references to: **Xu Cao, Ph.D., Department of Pathology, University of Alabama at Birmingham, 1670 University Boulevard, Volker Hall, G003, Birmingham, AL 35294.** E-mail: cao@path.uab.edu.

POSTDOCTORAL POSITION

Postdoctoral position immediately available in the Division of Hematology/Oncology, University of Miami. The position requires a Ph.D. or equivalent degree in molecular biology and biochemistry or related field with experience in protein purification, molecular biology, and cell culture to work in the field of hematology/oncology with primary focus on plasma adhesive protein protease, platelets, and endothelial cells. Salary range: \$28,000 to \$30,000 per year depending on experience.

Please send curriculum vitae and three references to: **Dr. Eric Lian, University of Miami School of Medicine, Division of Hematology/Oncology (D8-4), 1475 N.W. 12th Avenue, Miami, FL 33136.** E-mail: elian@med.miami.edu.

RESEARCH FELLOW POSITIONS available to study the biochemical and molecular aspects of cell-cell and cell-matrix interactions and signal transduction in leukocytes. Representative projects (funded by NIH) include identifying signaling proteins responsible for a novel leukocyte deficiency as well as understanding the roles of integrin and protease receptors in several disease models. To apply, send curriculum vitae and three references to: **Holland Laboratory, American Red Cross, 15601 Crabbs Branch Way, Rockville, MD 20855.** E-mail: zhangl@usa.redcross.org. *Equal Opportunity Employer; Minority/Female/Disabled/Veteran.*

POSTDOCTORAL FELLOWSHIPS/National Cancer Center Institute. Candidate must have a Ph.D. or M.D. education. Projects involve nuclear receptors, DNA methylation, and DNA repair. Excellent proficiency in English writing/speaking is required. Submit curriculum vitae and three letters of reference to: **Dr. William Farrar, Cytokine Mechanisms Section, Laboratory of Molecular Immunoregulation, NCI, Building 560, P.O. Box B, Frederick, MD 21702-1201.** E-mail: farrar@ncicrf.gov.

POSITIONS OPEN

The University of Washington School of Medicine and the VA Puget Sound Health Care System in Seattle have funded **POSTDOCTORAL POSITIONS** to study the functions of leukemia and sarcoma fusion proteins. Candidates should have a Ph.D. or M.D. degree and experience in molecular and cellular biology. Interested candidates should send a cover letter, résumé, and contact information for three references to: **Howard A. Chansky, M.D., Mailstop ORT112, 1660 South Columbian Way, Seattle, WA 98108.** *Equal Opportunity Employer. U.S. citizenship is required.*

POSTDOCTORAL POSITION University of Alabama at Birmingham

Position available immediately to work on adeno-associated virus (AAV)-mediated gene therapy. The areas of study include gene therapy for genetic/metabolic diseases and cancer and vector biology to improve its gene therapy applications. The candidate should have a Ph.D., M.D., or equivalent degree with good experience in molecular biology techniques. Please send curriculum vitae and names of three references to: **Dr. Selvarangan Ponnazhagan, Department of Pathology, The University of Alabama at Birmingham, 701 19th Street South, 513 LHRB, Birmingham, AL 35294 U.S.A. FAX: 201-975-9927; e-mail: sponnazh@path.uab.edu.** *The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer and welcomes applications from qualified women and minorities.*

POSTDOCTORAL POSITIONS Diabetes and Vascular Complications Boston University School of Medicine

The Whitaker Cardiovascular Institute has several positions available to investigate the complications of diabetes with respect to vascular biology and oxidative stress. This work is part of a collaborative project funded by the Juvenile Diabetes Foundation and entails studies on nitric oxide bioactivity and redox-sensitive signal transduction. Candidates should have expertise in transgenic mouse models, molecular biology, and signal transduction. Please send curriculum vitae and three references to: **John F. Keaney, Jr., M.D., Boston University School of Medicine, Whitaker Cardiovascular Institute, 715 Albany Street, Room W507, Boston, MA 02118.** E-mail: jkeaney@bu.edu.

POSTDOCTORAL FELLOW Stem Cell Biology and Myelination of CNS

Positions available immediately to investigate the molecular mechanisms of differentiation of neural stem cells and human ES cells and their ability to myelinate neurons. A strong background in molecular and cellular biology is desired. Additional experience in mouse genetics and animal models is a plus. To apply, please send curriculum vitae and the names and addresses of three references to: **Dr. Pantelis Tsoulfas, University of Miami School of Medicine, The Miami Project to Cure Paralysis, 1095 N.W. 14th Terrace, Miami, FL 33136.** E-mail: ptsoulfa@med.miami.edu. *Equal Employment Opportunity/Affirmative Action.*

POSTDOCTORAL/RESEARCH ASSOCIATE. NIH-funded position available immediately to study biochemistry and function of mixed lineage kinase dependent-cJun N-terminal kinase (JNK) module. Work focuses specifically on biochemistry of MAP3K DLK, role of the JIP scaffold protein, and function of this complex in embryonic development and in cellular stress response. Laboratory employs techniques of protein biochemistry, molecular biology, and mouse genetics. Experience/interest in signal transduction and the analysis of mouse knockout models an asset. Please send curriculum vitae, description of research interests, and names of references to: **Dr. L. B. Holzman, University of Michigan Medical School, Ann Arbor, MI 48109-0676.** E-mail: lholzman@umich.edu.

POSITIONS OPEN

MOLECULAR VIROLOGY AND VIRAL GENOMICS RESEARCH Center of Excellence for Poultry Science University of Arkansas, Fayetteville

Positions are available immediately for the study of the Molecular Biology of Marek's disease virus (MDV), a T lymphoma-inducing herpes virus of chickens. The positions are industry and state funded and are at the **POSTDOCTORAL** and **RESEARCH SPECIALIST** levels. The focus areas for these positions are (1) postdoctoral research into herpes virus genomics and genome cloning. Candidates should have strong backgrounds in molecular biological methods and gene expression analysis. Candidates having experience in BAC, YAC, and/or Cosmid cloning of DNA virus genomes are encouraged to apply (Position Y02104-A). (2) Postdoctoral research into T cell signaling and herpes virus latency. Candidates having strong backgrounds in cell culture, signal transduction, real time PCR, and flow cytometric methods are encouraged to apply (Position Y02089-A). (3) Research Specialist I: Candidates having experience with molecular biological methods including DNA oligomer synthesis, cDNA labeling and microarray printing, hybridization, and analysis are particularly encouraged to apply (Position Y02088-A).

Competitive salary and benefits packages are available. Candidates for the Postdoctoral positions must have completed their Doctoral degrees; candidates for the Research Specialist position must have completed an M.S. degree in molecular biology or related discipline. These positions are available immediately and applications will be accepted until the positions are filled. To apply, send a letter of application; curriculum vitae; and the names, addresses, telephone numbers, and e-mail addresses of four references to: **Dr. Mark S. Parcells, Associate Professor, Molecular Virology, O-404, Center of Excellence for Poultry Science, University of Arkansas, Fayetteville, AR 72701.** Telephone: 501-575-7262; e-mail: parcells@uark.edu. *The University of Arkansas is an Equal Opportunity Employer.*

Pharmacology: multiple positions. Searching for three **POSTDOCTORAL RESEARCHERS** with experience in any of the fields of confocal/multiphoton microscopy, electrophysiology, or molecular biology. These Scientists will join a research group devoted to understanding the molecular biology of neuronal functioning with particular emphasis on analysis of dendrites and axons. Pay commensurate with experience. Send résumé or curriculum vitae to the attention of: **Dr. J. Eberwine, University of Pennsylvania Pharmacology Department, 3620 Hamilton Walk, Room 37, John Morgan Building, Philadelphia, PA 19104-6084.** *Affirmative Action/Equal Opportunity Employer.*

A **POSTDOCTORAL POSITION** available immediately to study the functions of the breast cancer protein BRCA1 in transcriptional regulation and suppression of breast and ovarian cancers. Highly motivated individuals with experience in molecular biology and biochemistry are encouraged to apply. Prior experience with mammalian tissue culture is preferred but not required. Send curriculum vitae and the names of three references to: **Rong Li, Ph.D., Department of Biochemistry and Molecular Genetics, Health Sciences Center, University of Virginia, Charlottesville, VA 22908.** E-mail: rl2t@virginia.edu.

POSTDOCTORAL POSITION available in NIH-funded laboratory to study (1) HNF 4-dependent regulation of iNOS gene transcription and/or (2) osteopontin regulation of endotoxin-mediated iNOS expression. Strong background in techniques of molecular biology, protein-protein interactions, and posttranslational modification of proteins is required. Submit curriculum vitae and three letters of reference to: **Paul C. Kuo, M.D., Department of Surgery, Duke University Medical Center, 110 Bell Building, Box 3522, Durham, NC 27710.** E-mail: kuo00004@mc.duke.edu.

POSITIONS OPEN

POSTDOCTORAL TRAINING FELLOWSHIP

Drug Metabolism and Hepatology

An NIH-funded Postdoctoral Training Fellowship is immediately available. The selected candidate for this two-year Postdoctoral position will interface with an interdisciplinary team of Scientists from the Departments of Medicine, Surgery, and Pharmacy at the University of North Carolina to develop a coculture model of viral hepatitis by isolating cells from HCV-infected liver for investigations on cytokine and retinoid signal transduction pathways responsible for dysregulated mechanisms of cell proliferation and apoptosis and altered hepatic transport and metabolism of drugs. Applicants should have a strong background in biochemistry, cell biology, cellular immunology, pharmacology, or related field. Send curriculum vitae and have two letters of recommendation sent to: **Roy L. Hawke, Pharm.D., Ph.D., School of Pharmacy, CB Number 7360 Beard Hall, University of North Carolina, Chapel Hill, NC 27599-7360. FAX: 919-962-0644; e-mail: rhawke@email.unc.edu. UNC is an Equal Opportunity Employer. Candidates must have U.S. citizenship or permanent residency to qualify for this Training Fellowship position.**

POSTDOCTORAL/RESEARCH ASSOCIATE POSITION

Molecular Viral Oncogenesis and New Pathogen Discovery

Position available starting July 2002. Ongoing studies involve viral regulation of cMYC, pRB, apoptotic, and interferon signaling pathways by Kaposi's sarcoma-associated herpes virus (*Science* 266:1865, 1994; *PNAS* 93:1487, 1996) and use of molecular techniques to find unidentified pathogens. Experience in virology, transcriptional regulation, or genomics preferred. The laboratory is located in the University of Pittsburgh Hillman Cancer Center, a newly built, freestanding 350,000-square-foot cancer research and treatment facility. Send curriculum vitae and three references by FAX or mail to: **Patrick S. Moore, M.D., M.P.H. and Yuan Chang, M.D., Molecular Virology Program, c/o Ms. Lorraine Ombres, University of Pittsburgh Cancer Institute, 305 Iroquois, 3600 Forbes Avenue, Pittsburgh, PA 15213. Website: <http://www.upmc.edu/internet/molvirology/kshvlab.html>.**

An NIH-funded **POSTDOCTORAL POSITION** is available immediately to study the interaction of inhaled anesthetics with small synthetic water-soluble and membrane-soluble α -helical bundle proteins. The research project involves protein design, protein synthesis, and the high-resolution structural characterization of protein-anesthetic complexes using NMR spectroscopy and X-ray crystallography. The applicant must have an M.D. and/or a Ph.D. degree and be skilled in biochemistry or spectroscopy. Send curriculum vitae and names and e-mail addresses of three references to:

**Jonas S. Johansson, M.D.
Department of Anesthesia
Hospital of the University of Pennsylvania
Dulles 778
3400 Spruce Street
Philadelphia, PA 19104 U.S.A.
Telephone: 215-349-5472
FAX: 215-349-5078
E-mail: johanssj@uphs.upenn.edu**

POSTDOCTORAL POSITION available for the study of single molecule enzyme kinetics using fluorescence microscopy. This project also involves enzyme mechanisms and site-specific mutagenesis and labeling. Experience in enzymology and/or fluorescence microscopy desirable. Send curriculum vitae and e-mail addresses and telephone numbers of references to: **Professor Gordon G. Hammes, Department of Biochemistry, Box 3711, Duke University, Durham, NC 27710. E-mail: hamme001@mc.duke.edu. Duke University is an Equal Opportunity Employer.**

POSITIONS OPEN



POSTDOCTORAL RESEARCH ASSOCIATES

Microbiology and Prion Detection

A two-year position is available immediately at the Foodborne Contaminants, Research Unit, U.S. Department of Agriculture, Agricultural Research Service, Albany, California, to develop techniques for detection and isolation of *Mycobacterium avium paratuberculosis* (MAP) from manure and environments influenced by waste management practices. The candidate will determine the environmental prevalence of MAP and identify factors for survival, proliferation, and transmission from manure to crops. A recent Ph.D. in microbiology, biochemistry, or biology is required. Expertise in cultural, immunological, or molecular aspects of mycobacteria is desirable. A separate position is also available to study prion detection and biology. For details on MAP, see website: <http://www.afm.ars.usda.gov/divisions/hrd/hrdhomepage/vacancy/02023.htm>. For details on both, contact: **Dr. Subbarao Ravva; e-mail: subba@pw.usda.gov. USDA is an Equal Opportunity Provider and Employer.**

DEADLINE EXTENDED. Biology: tenure-track position in fresh water aquatic biology and invertebrate zoology at the **ASSISTANT PROFESSOR** level for fall 2002. Requirements: Ph.D. in biology or related discipline by start date for the position, minimum of two years of college-level teaching experience, and commitment to undergraduate education. The successful candidate will be expected to teach introductory zoology, invertebrate zoology, limnology, and nonmajors courses; to involve undergraduates in research; and to participate in interdisciplinary environmental science program. A successful on-campus interview including lecture/presentation required. By March 29, 2002, send letter of application; curriculum vitae; brief statement of teaching philosophy; brief statement of research interests including ways you would involve undergraduates in your research; copies of undergraduate and graduate transcripts (official transcripts necessary before hiring); and three professional references to: **Chair, Aquatic Biologist/Invertebrate Zoologist Search, Department of Biology, Kutztown University, Kutztown, PA 19530. FAX: 610-683-4852; e-mail: sacchi@kutztown.edu. Kutztown University is an Affirmative Action/Equal Opportunity Employer/member of the Pennsylvania State System of Higher Education and actively solicits applications from women and minority applicants. The University is interested in hiring faculty who have extensive experience with diverse populations.**

POSTDOCTORAL/ASSOCIATE RESEARCH SCIENTIST POSITIONS

Columbia University

The Department of Physiology solicits applications from M.D., Ph.D., or equivalent degree Researchers in the following areas of investigation: molecular, cellular, and genetic approaches to fundamental problems in cellular physiology and immunology; developmental vertebrate neurobiology; membrane biophysics; and vascular biology. For one of the available positions, prior training in video imaging, electrophysiology, and immunocytochemistry is desirable. Send curriculum vitae, a brief letter of interest, and the names and addresses of three references to: **Samuel C. Silverstein, M.D., Department of Physiology, Columbia University, 630 West 168th Street, New York, NY 10032. Visit our website: <http://cpmcnet.columbia.edu/dept/physio/physio2/>. Columbia University is an Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

Several NIH-funded **POSTDOCTORAL FELLOW POSITIONS** are immediately available to study immune responses against cancer and mechanism of T cell mediated tumor immunity. Two positions require extensive training in molecular biology, one position needs immunology and cell culture experiences, and two positions require immunology and animal techniques. Our studies focus on cancer antigen discovery and antigen delivery system for several types of cancer aiming at developing effective cancer vaccines. Ph.D. or M.D. training with good English communication skills is preferred. Please send your curriculum vitae and three names of references to: **Dr. Rongfu Wang, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030. E-mail: rongfuw@bcm.tmc.edu.**

POSTDOCTORAL POSITION available for studying the role of nuclear myosin I (*Science* 290: 337-341, 2000) in regulating transcription using state-of-the-art cell biology, molecular biology, and biophysical techniques. Experience with transcription, replication, RNA processing, and/or cytoskeletal proteins is especially desirable. Salary negotiable. Please send curriculum vitae and the names of three references to: **Primal de Lanerolle, Ph.D., Department of Physiology and Biophysics, 835 South Wolcott Avenue (M/C 901), Chicago, IL 60612. E-mail: primal@uic.edu. UIC is an Affirmative Action/Equal Opportunity Employer.**

WORKSHOPS

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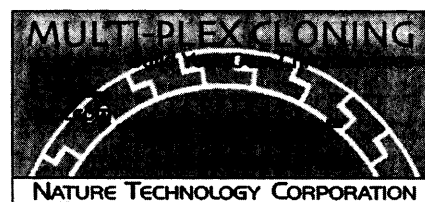
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Designed for Postdoctorals, medical, and especially cardiovascular Researchers interested in applying bioinformatics tools to their research. Techniques include database searches, annotation, SNPs, microarray analysis, and more. No tuition. For further information, **Telephone: 510-486-4162; e-mail: pgaworkshop@lbl.gov. Register before April 1, 2002, at website: <http://pga.lbl.gov/workshop>.**

GLOBAL OPPORTUNITIES

POSTDOCTORAL POSITIONS: Molecular virology and immunology available immediately in Canberra, Australia. One position is in the Pest Animal Control Cooperative Research Centre for a person with skills in molecular virology to carry out the construction and testing of recombinant canine herpes viruses. The second position is in CSIRO Sustainable Ecosystems and involves molecular investigations of rabbit hemorrhagic disease virus. For information, see websites: <http://203.89.235.54/default.asp?Div=cse> or <http://www.pestanimal.crc.org.au/>.

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