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Dr. Ramanath Cowsik Indian Institute of Astrophysics

Dr. Paul Davies Imperial College London and the University of Queensland Winner, 1995 Templeton **Prize for Progress in Religion**

Dr. Terrence Deacon Boston University

Dr. jane Goodall (via satellite) The lane Goodall Institute

Dr. Ursula Goodenough Washington University

Dr. Brian Greene (invited) Columbia University

Dr. Bruno Guiderdoni Institut d'Astrophysique de Paris

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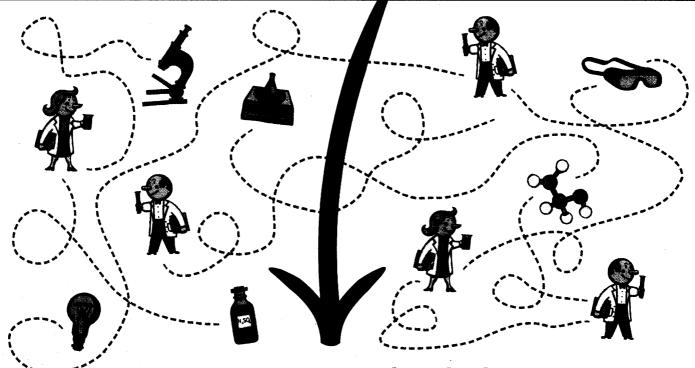
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Resampling Stats 2.0 is a software tool to assist in the interpretation of laboratory data. It installs as an independent toolbar within Excel and as a submenu of the Tools standard menu. The program "resamples" data, providing a way for the computer to generate meaning-

ful artificial data sets for comparison with the original ones. For example, one might ask if the weight loss in a group of subjects who took a pill was caused by that pill. The lab data would have a set of weight values from people who took the pill and a set from those who took a placebo. Repeating the experiment many times to establish significance would be costly. Generating the random data electronically within the parameters of the experiment, say 10,000 times, however, is simple. With 10,000 shufflings of the data, one could easily see how often weight differences between groups, such as noted in the experiment, occurred randomly.

The real power of Resampling Stats is in the "RS" or resample and score function. For example, if a large column of data is resampled as a subset, any statistic available in Excel may then be calculated. Once this is done, the original data set may be resampled many times, and, for each resample, the chosen statistic is automatically calculated. The researcher then has a population of 10,000 of those statistics from which distributions may be derived and confidence intervals determined quickly. This type of analysis is also invaluable in applied work to illuminate worstcase scenarios for the industrial scientist.

The small manual that comes with the package contains a number of clear and concisely phrased examples from daily life. From coin flipping to sports and from Fisher's Tea Taster to birth weights, straightforward examples are worked using the resampling techniques. The breadth of this small program is remarkable because the user is not confined to normal probability distributions for work involving generation of distributions. Many of the better known distributions, such as Poisson, gamma, binomial, and geometric, are available from the distribution generator. The program also has its own pseudo-random number generator that is distinct from Excel's. The help feature will be familiar to all Windows users as the simple "Index" and "Find" tabs that will assist in quickly locating detailed information on any of the procedures. The program is also available as a stand-alone package, and new features are added frequently.

—John A. Wass

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

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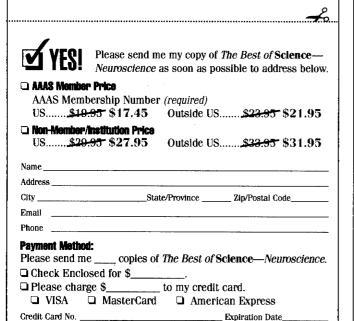


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CONTINUED FROM PAGE 2117

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POSITIONS OPEN

COMPUTATIONAL SCIENTIST: Bryn Mawr College invites applications from Computational Scientists for a tenure-track position at the level of **ASSISTANT PROFESSOR** beginning fall 2002. The candidate should be a Scientist who uses computer modeling as a primary research tool. The successful candidate will be expected to teach a course in scientific computation, courses in algorithm design for scientific problem solving (including numerical model development and applications), as well as introductory and advanced courses in his or her scientific field of specialty. The candidate will also be expected to develop an active, funded research program involving undergraduate and graduate students. The position will be hosted by one of the college's natural science departments (Biology, Chemistry, Geology, or Physics) depending on the successful candidate's area of expertise. A Ph.D. at the time of appointment is required. Applications should include curriculum vitae, description of re-search interests, teaching philosophy and experience, and current letters from at least three professional references. Applications should be sent to: Trisha Piccirelli, Computational Scientist Search Committee, 294 Park Science Center, Bryn Mawr College, Bryn Mawr, PA 19010. Review of applications will begin November 19, 2001. Bryn Mawr is a liberal arts college for women with coeducational graduate programs in the sciences, some humanities, and social work. The College supports faculty excellence in both teaching and research and provides a rigorous education in the context of a diverse and pluralistic scholarly community. Located 11 miles west of Philadelphia, Pennsylvania, Bryn Mawr participates in consortial programs with the University of Pennsylvania and Haverford and Swarthmore Colleges. Bryn Mawr College is an Equal Opportunity/Affirmative Action Employer. Minority candidates and women are especially encouraged to apply.

ECOLOGIST. The Department of Biology, Kenyon College, is seeking applications for a tenuretrack **ASSISTANT PROFESSOR** in ecology. We seek candidates who are broadly trained and are able to bridge fields within the Department. The successful candidate will teach at both the introductory and upper levels; participate in an interdisciplinary program in environmental studies; and maintain a vital, independent research program that incorporates undergraduates. In support of research, we offer a competitive start-up package. Applicants should hold a Ph.D. degree and demonstrate teaching excellence, the potential to maintain research involvement by undergraduates, and should show promise of establishing a productive research program.

Review of applications will begin 22 October 2001 and continue until the position is filled. Statements of teaching and research interests, curriculum vitae, undergraduate and graduate transcripts, and three letters of reference should be sent directly to: Ecology Search Committee, Biology Department, Kenyon College, Gambier, OH 43022. E-mail: biosearch@kenyon. edu. For more details on the position, visit our website: http://www2. kenyon.edu/depts/biology/.

An Equal Opportunity Employer, Kenyon is committed to building a diverse faculty, staff, and administration and encourages the applications of women and minority candidates.

ASSISTANT/ASSOCIATE PROFESSOR

One long-term-track faculty position. Begin August 2002. Ph.D. required in biochemistry; teaching experience in biochemistry/physiology. Expected to teach graduate students with an opportunity for undergraduate teaching. Experience in small college preferred. Liberal arts environment. Responsibilities include academic advising, committee work; expected to engage in biomedical research with undergraduates and to publish. Strong record of teaching excellence and scholarship desirable. Letter stating interests; complete résumé; transcripts; and names of three references to: Sr. John Karen Frei, O.P., Ph.D., Dean, School of Natural and Health Sciences, Barry University, 11300 N.E. Second Avenue, Miami Shores, FL 33161-6695 by November 15, 2001.

POSITIONS OPEN

FACULTY POSITION Mathematics and Biology Kenyon College

The Departments of Biology and Mathematics at Kenyon College invite applications for a joint, inter-disciplinary tenure-track position at the ASSISTANT PROFESSOR level in a field of computational or mathematical biology. Areas of special interest may include biomathematics, quantitative ecology or evolutionary biology, modeling of organisms or populations, computational approaches to cellular or molecular biology, or biostatistics or bioinformatics. The successful candidate will teach courses in both departments of mathematics and biology and conduct a vigorous research program involving undergraduates. Generous start-up funds are provided including support from Kenyon's award from the Howard Hughes Medical Institute. The candidate will work with current faculty to develop new collaborative teaching and research in computational and mathematical biology. The candidate's primary appointment will be in the individual department of her/his choice. Qualifications include a Ph.D. in an appropriate discipline, demonstrated commitment to excellent instruction, and the ability to initiate and maintain research with undergraduates.

The Biology Department consists of nine full-time faculty members who are active researchers/teachers and who integrate their research into the classroom experience. Faculty research interests span physiological and systems ecology, developmental biology, neurobiology, plant and microbiology, and molecular genetics.

The Mathematics Department consists of six fulltime faculty members including two with research interests in biological growth and form, cell biology, population biology, and epidemiology. Other research interests include algebra, analysis, topology, and nonparametric and spatial statistics. For further information on projects combining mathematics and biology, see website: http://www2.kenyon.edu/ depts/Biomath/index.html.

Kenyon College is a highly selective, private liberal arts college dedicated to excellent undergraduate education. It has a national student body of about 1,500 students. The campus is located in a beautiful rural setting about 50 miles northeast of Columbus, Ohio.

Applicants should send curriculum vitae, a statement of teaching philosophy and interests, a research statement (including a summary of accomplishments and direction of future research), graduate and undergraduate transcripts, and three letters of recommendation to: Mathematics and Biology Search Committee, Wendy Busenburg, Higley Hall, Kenyon College, Gambier, OH 43022. Review of complete applications will begin on December 1, 2001, and will continue until the position is filled. For more information, contact: Search Committee Chair; e-mail: mathbiol@kenyon.edu.

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PROFESSOR AND HEAD, DEPARTMENT OF NUTRITIONAL SCIENCES. A 10-month, tenure-track position requiring a Ph.D. in nutrition or closely related field; evidence of administrative and leadership skills; and a record of academic excellence. Department website and full position description are at website: http://www.canr.uconn.edu/nusci. Submit curriculum vitae; letter of application; and names and addresses of four references to: Dr. D. W. Allinson, U-4090, University of Connecticut, Storrs, CT 06269-4090 by November 1, 2001. University of Connecticut actively solicits applications from minorities, women, and people with disabilities.

Two MICROBIAL GENETICIST positions (not tenured) are immediately available at the University of Florida. Each is for a Ph.D. with postdoctoral experience in bacterial genetic engineering and fermentation technology. Please send curriculum vitae and three letters of reference to: L. O. Ingram, Department of Microbiology and Cell Science, Box 110700, University of Florida, Gainesville, FL 32611. E-mail: ingram@ufl.edu.



DEPARTMENT OF NEUROSCIENCE UNIVERSITY OF MINNESOTA Faculty Positions in Neural Stem Cell Biology

The Department of Neuroscience and the Stem Cell Institute at the UNIVERSITY OF MINNESOTA – Twin Cities invite applications for tenure-track positions at the Assistant/Associate Professor level. Both the Department of Neuroscience and the Stem Cell Institute are recently established academic/research units at the University of Minnesota and have combined resources and facilities to stimulate the advancement of basic science research on stem cells and their clinical applications. We are inviting researchers who want to pursue studies of stem cells, including embryonic stem cells or those derived from other tissues, to join an exciting, new cross-disciplinary effort in which neuroscience and stem cell research have become major targets of development and growth at the University of Minnesota. We encourage applications from investigators in all fields of inquiry that are relevant for understanding nerve/glial cell function through the use of stem cells. New laboratory facilities will be provided and tailored for each individual investigator. Faculty will have access to academic and graduate programs through our vigorous Graduate Program in Neuroscience as well as several other interdisciplinary programs that flourish at the University of Minnesota. The University of Minnesota in Minneapolis is located on an urban campus site which overlooks the Mississippi River and which houses many colleges in addition to the Medical School and Academic Health Center. Starting date negotiable.

Successful candidates will be expected to develop a strong, extramurally funded research program in the field of stem cell neurobiology. Salary and start-up funds will be competitive and commensurate with education and experience. Candidates must have a Ph.D. and/ or M.D. degree and must be US citizens or must be able to secure permanent residence status. See www.neurosci.umn.edu, www.neurosci.umn.edu, stemcell/sci/page/pg/patch2gar2v2-8_6.htm.

Applicants should send a current curriculum vitae, statement of research interests and intentions, and three letters of reference to:

Neural Stem Cell Search Committee Attention: Joan Bailey Department of Neuroscience, University of Minnesota 6-145 Jackson Hall, 321 Church Street, S.E. Minneapolis, MN 55455 USA or bail3y@umn.edu

Electronic versions of the required information may be e-mailed but must be followed with a hard-copy for the official search files. Review of applications will continue until the positions are filled.

The University of Minnesota is an equal opportunity educator and employer.



The U.S. Environmental Protection Agency (EPA) is seeking candidates for the position of Director, Neurotoxicology Division (NTD), National Health and Environmental Effects Research Laboratory (NHEERL). NTD is a multi disciplinary neurotoxicology program with an EPA staff of 55 employees. The Division is the focal point for planning, conducting, coordinating, supporting and evaluating a program aimed at studying the effects of chemical agents on the nervous system. The overall objective

of the Neurotoxicology Division is to provide the scientific basis and technological means to enable the prediction of whether or not an environmental agent will produce neurotoxicity in humans. This position, located in the Research Triangle Park, North Carolina, is a permanent. full time position with a salary range of approximately \$85,832 - \$111,581 per annum, commensurate with qualifications. The selected candidate will be eligible for a full benefits package, including relocation expenses, health insurance, life insurance, retirement, and vacation and sick leave benefits. United States citizenship is required. The incumbent will direct and manage this research program which includes an intramural research program and postdoctoral/predoctoral programs. The incumbent provides scientific and managerial leadership of the program, develops the program to meet the evolving needs of the EPA, presents the program to both EPA and non-EPA audiences, develops and manages budgets, supervises the staff, directs the progress of the program, and ensures the highest possible scientific quality and productivity. The preferred candidate for this posi-tion would possess the following qualifications: (1) advanced degree in a toxicological, biological, biochemical, or medical discipline; within any of these areas the candidate must have at least six years of professional research experience, and applicable graduate course work may be substituted for a portion of the preferred experience; (2) experience as a supervisor of scientific and professional staff; (3) recognized scientific extensive expertise as evidenced by multiple peer-reviewed publications, invited presentations at national and international meetings and panels, and involvement with international organizations; and (4) proven ability to provide leadership in directing the development and progress of a creative and effective multi disciplinary neurotoxicological research program.

How to apply: Vacancy announcements and application instructions will be posted on the U.S. Office of Personnel Management's (OPM's) web site at http://www.usajobs.opm.gov as of September 10, 2001 under announcement number EPA-RTP-DE-2001-190. The application deadline is October 26, 2001. For further information, contact the EPA Human Resources Management Division at (800) 433-9633, and reference "NTD Division Director position."

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UMass Medical School

The University of Massachusetts Medical School's Department of Pathology is currently recruiting for the following:

Immunology Faculty Positions

Applications are invited for tenure track faculty positions at the Assistant, Associate or Full Professor level. Candidates are sought with research interests in Immunology to complement a growing Immunobiology research program including Drs. Kenneth Rock, Ray Welsh, Leslie Barg, Cynthia Chambers and Joonsoo Kang. Specific research areas include, but are not limited to, immunobiology of receptors, signal transduction and gene regulation; cell biology of accessory cells; tolerance and autoimmunity; and tumor immunobiology. Selection will be based on excellence in research and the potential to maintain an outstanding research program.

Applicants should send a curriculum vitae, description of research accomplishments and future objectives and names and addresses of 3 references to: Dr. Kenneth L. Rock, Chairman, Department of Pathology, University of Massachusetts Medical School, 55 Lake Ave. N., Worcester, MA 01655.



The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer and encourages applications from females and minority candidates.

Faculty Positions Department of Biological Sciences

The Department of Biological Sciences at Dartmouth seeks applicants for two tenure track positions, open at all levels, in the broadly defined area of Cellular and Molecular Biology One position will be filled by an individual whose area of research is Biochemistry/Cell Biology and the other by an individual whose area of research is Genetics/Developmental Biology. The successful candidates will be expected to supervise independent research programs that will attract extramural funding and provide research training for graduate and undergraduate students. The candidates will join a group of faculty whose research involves cellular, biochemical and genetic approaches to studying problems in a number of model plant, fungal and animal systems. Candidates should expect to participate in teaching at the undergraduate and graduate levels. Send a current curriculum vitae, a statement of research and teaching interests, a list of referees (including FAX numbers and e-mail addresses), and arrange to have at least three letters of reference sent under separate cover to: Cell/Molecular Search Committee, Department of Biological Sciences, Dartmouth College, Hanover, NH 03755-3576

A separate application for each position is not necessary. Although materials can be submitted by FAX (603-646-1347), note that the original documents are ultimately required. Application review will begin on October 15, 2001 and continue until the positions are filled. For further information about the department and graduate program, see http://www.dartmouth.edu/~biology/

Women and members of minority groups are strongly encouraged to apply. Dartmouth College is an Equal Opportunity/Affirmative Action Employer.

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Section Head, Psychopharmacology Job Code: DIA-2291



In this leadership role this Principal Scientist will guide a research group in the area of psychopharmacology which will include 4-6 members of the CNS Pharmacology staff. The Scientist will

establish, develop and utilize procedures with animals for the characterization of compounds in psychiatric indications. This includes the coordination of primary and secondary behavioral screening for potential antipsychotic and antidepressant drugs. In this critical role the Scientist will assume project team leadership roles and will be expected to interact across departments to optimally achieve goals. The candidate should have a record of scientific excellence in areas of psychopharmacology or behavioral biology research with a proven track record of employing animal models for drug discovery and for understanding the mechanism of action of novel agents. Having laboratory experience in chronobiology or with nonhuman primates would be considered a plus. For consideration, the candidate should have a Ph.D. in pharmacology, psychology or neuroscience with excellent presentation and writing skills, supervisory competence, and 5-10 years experience.

Associate Scientist- CNS

Job Code: DIA-3172

In this position the Scientist will provide histo- and cyto-pathological support to CNS Disease Group according to the project's needs. Will develop and apply appropriate immunohistochemistry and in situ hybridization protocols. Also will perform histological techniques such as tissue fixation, cryoprotection, sectioning, staining, as well as conducting microscopic image collecting and processing. MS/BS in Biology or related fields with 3-5 years industrial or academic experience required. Strong background in human and rodent neuroanatomy, histo-pathology, and microscopy (bright- and dark-field, fluorescence, and confocal).

Apply online at Careers at Aventis, the Aventis Recruitment Center:

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EPPLEY INSTITUTE

FACULTY POSITIONS CANCER RESEARCH



The Eppley Institute for Research in Cancer of the University of Nebraska Medical Center (UNMC) is seeking faculty to conduct research in three general areas. These faculty appointments may be tenure leading with academic rank based on candidates' qualifications.

- Basic Cancer Research: all areas of molecular, cellular or structural biology related to cancer

- Cancer Prevention: molecular, genetics and/or genomics based approaches to cancer prevention

- Tumor Immunology: basic or clinical aspects of tumor immunology

The Eppley Institute is an academic unit of UNMC and a key component of the UNMC Eppley Cancer Center, an NCI-designated Cancer Center. Both the Eppley Institute and Cancer Center are in a dynamic growth phase. Applicants should possess a Ph.D., M.D. or other terminal degree and appropriate postdoctoral training. Successful applicants will be expected to develop funded laboratory research programs, collaborate with other faculty and participate in the pre- and post-doctoral training programs of the Eppley Institute, including an NCI-funded Cancer Research Training Program and a DOD-funded Breast Cancer Training Program.

Applicants should indicate which position they are applying for and forward a complete curriculum vitae, a 3 page description of research accomplishments and future research plans, and a minimum of 3 letters of reference to: Dr. Kenneth H. Cowan, Director, Eppley Institute for Research in Cancer, University of Nebraska Medical Center, 986805 Nebraska Medical Center, Omaha, Nebraska, 68198-6805. Review of applications will begin November, 2001 and will continue until the positions are filled. See http://www.unmc.edu/Eppley/ for more information.

> The University of Nebraska Medical Center is an equal opportunity employer.



The Mars Nutrition Research Council, Inc. Postdoctoral Fellowship for Phytochemicals and Human Health Announcement for 2002

The MNRC Postdoctoral Fellowship Award was created to encourage young scientists to focus their research on the investigation of the effects of functional food/food ingredients on human nutrition and physical or mental health. The research should involve bioactive food components other than the traditional nutrients. The MNRC intends to fund one Fellow who has recently completed a PhD or MD degree. The MNRC plans to fund the fellowship for two years. Funding for the second year will be based upon demonstration of normal progress in the first year. Research should be carried out in the laboratory of an established researcher, but the fellowship applicant and the host laboratory need not have previously conducted research on functional foods.

The criteria for selection will include quality of prior training and research, publications and abstracts of the applicant, the research proposal, and the quality of the sponsoring institution/mentor.

Application and award schedule: 2002 Applications Available Application Receipt Deadline Announcement of Award

October 1, 2001 January 15, 2002 March 15, 2002

To obtain an application form: e-mail: or write to:

hannum l@uiuc.edu John W. Erdman, Jr., PhD Executive Director Mars Nutrition Research Council P.O. Box 53 Urbana, IL 61803-0053

Two Cell Biologists

The Division of Biological Sciences at the University of Missouri–Columbia (www.biology.missouri.edu) invites applications for two new tenuretrack positions in cell biology at the assistant professor or associate professor level. We are particularly interested in individuals whose research interests complement those of our current faculty. MU also features strong interdisciplinary programs in Molecular Biology, Genetics and Neuroscience.

The Division offers highly competitive salaries, generous start-up packages, modern research laboratories and support facilities, an active graduate program with institutional support for students and postdoctoral associates and a highly interactive faculty. We are firmly committed to fostering ethnic and racial diversity in our faculty and our student body, and thus strongly encourage applications from women and members of groups underrepresented in science.

Send curriculum vitae, reprints, statement of teaching and research interests and three letters of reference to: Dr. John David, Chair, Division of Biological Sciences, University of Missouri, Columbia MO 65211-7400. The review of application materials will begin on **November 1, 2001**.

MU is an Equal Opportunity—Affirmative Action Employer. To request ADA accommodations contact Robin Brueckner at (573) 882-6650 or by e-mail at BruecknerR@missouri.edu.

UNIVERSITY OF CALIFORNIA, DAVIS CENTER FOR GENETICS AND DEVELOPMENT

ASSISTANT, ASSOCIATE, AND FULL PROFESSORS

The Center for Genetics and Development, University of California, Davis, invites applications for tenure-track positions at the levels of Assistant, Associate, or Full Professor. The Center will be a physical and intellectual focal point for research in advanced molecular genetics and development across the five sections of the Division of Biological Sciences and in related campus units. The Center will be recruiting 14 new faculty members at the Assistant, Associate, and Full Professor levels over the next four years. These appointments will be made jointly with an academic unit in the biological sciences as is appropriate to the background and interests of the candidates, and appointments will reside in an appropriate academic department to be determined in consultation with the successful candidate. A Ph.D. (or equivalent) is required. Candidates must have an outstanding record of achievement in research and will be expected to develop a strong research program in an area broadly related to genetics and development. We seek outstanding individuals in all areas of molecular, cellular, and developmental biology, and we seek to augment and complement existing strength in chromosome biology and signal transduction. The successful candidate will be expected to teach and advise at the undergraduate and graduate level. Applicants should submit (1) a cutriculum vitae, (2) copies of no more than five published and in-press papers, (3) a statement of current and proposed research, and (4) arrange to have at least three letters of recommendation sent to:

> Dr. Stephen Kowalczykowski, Director Search Committee Center for Genetics and Development University of California, Davis One Shields Avenue, Davis, CA 95616-8665

Closing date: Open until filled, but all application materials, including letters of recommendation, should be received by October 15, 2001 to be assured full consideration.

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





Director Division of Cancer Biology The Elizabeth M. and Richard M. Ross Chair in Pediatric Research

Columbus Children's Hospital, a 313 bed academic medical center serving families in central Ohio and surrounding states, and The Department of Pediatrics, The Ohio State University College of Medicine and Public Health, seek a distinguished scientist to lead the newly created Division of Cancer Biology. The Director will hold The Elizabeth M. and Richard M. Ross Chair in Pediatric Research at Columbus Children's Hospital. She/he will be expected to build a robust research program in cancer biology, recruit new faculty, and further the national and international prominence of the Division. Prospective candidates should hold a M.D., Ph.D., or M.D./Ph.D. degree(s) and possess credentials appropriate for appointment at the rank of tenured Professor at The Ohio State University. In addition, applicants should have a well-funded, peer-reviewed research program in cancer biology and demonstrable administrative experience. A scientific interest in the biology and treatment of childhood cancer (e.g., leukemia, sarcomas, or CNS tumors) is preferred, but not required.

The Division of Cancer Biology will be administratively positioned within The Department of Pediatrics, The Ohio State University College of Medicine and Public Health. The Department is wholly located on the campus of Columbus Children's Hospital and currently consists of 147 full-time faculty who are actively engaged in research, teaching, and patient care. The Division of Cancer Biology will be closely aligned with the Division of Pediatric Hematology-Oncology whose roster includes 12 full time faculty. Division faculty will also be members of the NCI Comprehensive Cancer Center located on the Ohio State University campus at the Arthur G. James Cancer Hospital/Richard J. Solove Research Institute.

The Division will occupy laboratories to be housed in a new research building on the campus of Columbus Children's Hospital. This new building represents a major expansion of Children's Research Institute (CRI), which is located on the Columbus Children's Hospital campus. CRI is currently housed in the Wexner Institute for Pediatric Research, a 140,000 sq. ft. facility with state-of-the-art laboratories and a full-service vivarium. CRI is also the designated site for the new Children's Oncology Group Cooperative Human Tissue Network directed by Dr. Steve Qualman. CRI is ranked ninth among free-standing Children's Hospitals in NIH research funding and is now embarking on a five year plan to markedly expand research facilities and faculty.

Interested parties should forward a curriculum vitae and letter of interest to:

Philip R. Johnson, M.D. President Children's Research Institute Room W591 Children's Hospital 700 Children's Drive Columbus, OH 43205 johnsonp@pediatrics.ohio-state.edu

Children's Hospital, Inc. and The Ohio State University are Affirmative Action/ Equal Opportunity Employers. Qualified women, minorities, Vietnam-era veterans, disabled veterans and the disabled are encouraged to apply.

Graduate Student Recruiter The University of Texas Southwestern Medical Center at Dallas

Position available immediately

The University of Texas Southwestern Graduate School of Biomedical Sciences seeks applications for a new full-time position to expand our program of aggressive recruiting of basic science graduate students. The position will require extensive travel to present opportunities for graduate education at UT Southwestern to students and faculty at colleges and universities nationwide. The successful individual will also assist in recruiting students who are members of underrepresented minorities and undergraduate summer research fellows, in addition to other recruiting activities that develop. We seek an individual with a suitable scientific background for successfully representing the expanding training opportunities at UT Southwestern Medical Center for students with degrees in chemistry, physics, mathematics and computer sciences. This individual must exhibit strong interpersonal skills, an enthusiastic outgoing personality, and the ability to interact with students from diverse academic backgrounds. The successful individual will have a Ph.D. and must have a working knowledge of research trends in chemistry, structural biology, proteomics and related topics. Applicants who are familiar with research and education at UT Southwestern Medical Center are especially encouraged to apply. Salary and rank are negotiable depending on experience.

The University of Texas Southwestern Medical Center at Dallas is an equal opportunity/affirmative action employer and encourages women and members of underrepresented minorities to apply. Applications will be considered starting September 28, 2001 and thereafter until the position is filled.

To apply send a curriculum vitae or resume and have three letters of recommendation sent to:

Dr. Philip S. Perlman Southwestern Graduate School of Biomedical Sciences The University of Texas Southwestern Medical Center at Dallas 5323 Harry Hines Blvd. Dallas, TX 75390-9004 Philip.Perlman@utsouthwestern.edu

Barbara Ann Karmanos Cancer Institute Director Developmental Therapeutics

The Institute seeks an outstanding basic or clinical translational researcher as Director of Developmental Therapeutics and as Professor, Wayne State University. The Director leads 40 full-time and affiliate members in discovering and developing novel therapeutics, assessing response, and validating clinical effectiveness. Wayne State University and the Detroit Medical Center are the academic and clinical affiliates of the Institute, which serves more than 3 million people and operates an NCI comprehensive cancer center and SEER registry. The Director must have an MD, DO and/or PhD, active research program, and strong leadership abilities.

Send letter of interest, curriculum vitae, brief statements of research vision and administrative philosophy, and three (3) references to **Dr. George B. Corcoran, c/o Ms. Sharon L. Lukas, Karmanos Cancer Institute, Executive Office, 110 East Warren, Detroit, MI, 48201.** Applications will be evaluated on an ongoing basis after November 15, 2001. Wayne State University is a premier institution of higher education offering more than 350 academic programs through 14 schools and colleges to more than 31,000 students in metropolitan Detroit.

Barbara Ann Karmanos Cancer Institute, The Detroit Medical Center and Wayne State University are Equal Opportunity/Affirmative Action Employers.

www.karmanos.org

mayo

MAYO CLINIC Rochester, Minnesota Postdoctoral Position

Two NIH funded postdoctoral positions are available to study structure and function of nicotinic acetylcholine receptors. One position focuses on the structure of the agonist binding site using protein expression, protein chemistry and structural determination and modeling. The second position combines mutagenesis with high-resolution single channel recording and kinetic analysis to investigate agonist binding, the energy landscape governing channel gating, and mechanisms by which inherited mutations alter receptor function. Seeking highly motivated applicants experienced in protein chemistry or electrophysiology. Send curriculum vitae, description of research interests and names of three references to:

> Steven M. Sine, PhD Mayo Clinic 1-135 MS 200 First Street SW Rochester, MN 55905 Email: sine@mayo.edu See also: http://www.mayo.edu/research

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

Graduate training opportunities for **Chemists** in biomedical research

The University of Texas Southwestern Medical Center at Dallas has hired internationally recognized faculty and built state-of-the-art facilities for research using synthetic organic and combinatorial chemistry to study problems in biomedical sciences. UT Southwestern Medical Center ranks among the top ten biomedical research institutions in the country based on NIH research grant support to the basic science faculty. With four Nobel Laureates and twelve members of the National Academy of Sciences UT Southwestern provides a rich scholarly environment for graduate study.

We are looking for undergraduate- or masters-prepared chemists who wish to pursue PhD training in an interdisciplinary research environment. The Chemical Biology Track of the Biological Chemistry Graduate Program is designed to prepare students to engage in emerging research opportunities at the crossroads of modern chemistry and discovery biology. An open house at UT Southwestern is scheduled for October 13, 2001; prospective applicants interested in participating should contact **Dr. Margaret Phillips at (214) 648-8414** or **Margaret.Phillips@utsouthwestern.edu**.

To learn more about the UT Southwestern Chemical Biology Track, visit our web page at: http://biochemistry.swmed.edu/training/CBTP/

All PhD students are supported throughout their studies by a nationally competitive stipend. Supplemental scholarships will be offered to students with superior academic credentials.

A complete catalog of our programs, our faculty and their research interests, as well as on-line application, can be found at http://www.utsouthwestern.edu/gradschool/.

Or contact:

Dr. Nancy Street, Assistant Dean Southwestern Graduate School of Biomedical Sciences 5323 Harry Hines Boulevard Dallas, Texas 75390-9004 Telephone 214-648-6708 Nancy.Street@utsouthwestern.edu

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

We have the following exciting career opportunities available:

Research Scientist, Pharmacology

You will develop and implement in vivo toxicology-related animal models and manage a pharmacology lab focused on in vitro high-throughput screening and in vivo toxicity and PK studies for determination of the mechanisms of action and characterization of selected leads. Requires a PhD or equivalent with 2+ years extensive hands-on experience in pharmacological and toxicological research the cellular signal transduction, apoptosis, inflammation, organ injury mechanism and drug metabolism. Special expertise in pathology preferred. (Job #: 01-141)

Research Scientist, Pharmacology

You will conduct in vitro ADME and in vivo PK metabolism studies to describe the fate of new chemical entities. Manage a pharmacology tab facused on small molecule formulations, in vitro high-throughput screening and in vivo metabolism and PK studies for determination of the mechanisms of action and characterization of selected leads. Requires a PhD or equivalent in pharmacology, toxicology, pharmaceutics or a related field and 1+ year(s) experience designing, executing, and reporting non-clinical metabolism studies of new drug candidates. Familiarity with bioanalytics (HPLC, LC/MS/MS, NMR) to define metabolic pathways and elucidate structure and an understanding of pharmacokinetics principles and formulations are preferred.(Job #: 01-147)

Research Scientist, Protein Crystallography

You will be responsible for the determination and interpretation of novel 3D structures of protein-drug targets and protein-drug complexes. Requires a PhD or equivalent with 2+ years experience in structural biology or a closely related discipline and proven success in macromolecular crystallography. Expertise in all aspects of protein crystallography, including protein crystallization, data collection, phasing by MAD/MIR/molecular replacement and structural refinement is required. Experience with protein-ligand complexes and/or other biophysical methods (such as BlAcore and microcalorimetry) is preferred. (Job #:01-123)

Research Scientist, New Lead Discovery

You will support the development of biochemical assays for high-throughput screening, compound evaluation and lead optimization projects. Requires a PhD or equivalent in a biological science and 1+ year(s) HTS experience with *in vitro* assay development. You should have advanced computer skills and data processing, and the ability to maintain accurate records and tracking of large data sets. Experience with automated liquid handling and other robotics is preferred. (Job #: 1-130)

Assistant/Associate Research Scientist Research Scientist, C. elegans Genetics

Experience the benefits of working in a world-class, interdisciplinary, collaborative group using model organism genetics to identify novel therapeutic targets for human pharmaceutical development. You will utilize *C. elegans* genetics, comparative genomics, and molecular biology techniques to investigate therapeutically important biochemical pathways. Research Scientist position requires a PhD or equivalent with in-depth *C. elegans* genetics and molecular biology experience. Assistant/Associate Research Scientist position requires BS/MS or equivalent. (Job #: 01-113/117/162)

Exelixis offers competitive salaries and benefits, equity participation, and an interactive research setting that recognizes and rewards achievement. Please send your resume/CV to Exclixis, Inc., HR Department; Job #____; Fax: (650) 837-7226; or Email: carcers@exelixis.com. EOE

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www.exelixis.com

to view additional exciting career

opportunities and job descriptions.



UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL Department of Biochemistry and Molecular Pharmacology

The Department of Biochemistry and Molecular Pharmacology is pleased to announce the second phase of its faculty expansion program. Under the leadership of Professor C. Robert Matthews, the department is recruiting new and established investigators to participate in the unprecedented research expansion that is taking place at the University of Massachusetts Medical School. During the next year, two new tenure-track faculty positions will be filled in the area of **Chemical Biology**. We are seeking innovative individuals with strong research accomplishments in synthetic, combinatorial, medicinal, and/or mechanistic organic chemistry who wish to address fundamental problems in biology. UMASS Medical School offers a unique and exciting research environment and opportunities for creative collaboration with groups in biophysics, molecular biology, structural biology, immunology, genetics, cell biology and neurobiology. UMASS Medical School is well equipped with modern instrumentation. The department occupies two floors in a newly completed 350,000 square foot research building. Salaries and start-up packages will be commensurate with the high level of accomplishment expected for successful applicants. New faculty members will develop cutting-edge research programs, mentor and train graduate students and postdoctoral fellows, and pursue innovative research as leaders in their fields. A dedication to problems at the interface of chemistry with biological sciences is required.

Junior applicants should send a cover letter explaining their interest in the department and a *curriculum vitae* that includes honors, publications and a two to three page research plan. Senior applicants should also include a brief description of current and future research activities. Applicants should provide the names and addresses of three individuals who are familiar with their accomplishments and potential for success. Materials should be sent to:

Professor Tariq M. Rana, Director of Chemical Biology Program Department of Biochemistry and Molecular Pharmacology The University of Massachusetts Medical School 55 Lake Avenue North Worcester, MA 01655

Web site (http://www.umassmed.edu/bmp/)

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

E. O. Lawrence Berkeley National Laboratory

Physical Biosciences Division invites applications for a

DIVISION FELLOW IN ADVANCED MICROSCOPIES OF BIOMOLECULES

The Lawrence Berkeley National Laboratory's Physical Biosciences Division is seeking a person with outstanding promise and creative ability interested in the development of advanced microscopies for the study of biological macromolecules. The appointment will be as Divisional Fellow for a term of 5 years with the expectation of promotion to Senior Scientist upon successful review. The successful candidate will have several years research experience in advanced microscopy beyond the PhD and is expected to establish an independent research program aimed at the understanding of the fundamental forces governing biomolecular interactions.

Applicants are requested to submit a curriculum vitae, list of publications, statement of research interests, and the names of at least 4 references by September 30, 2001 to: Search Committee for Divisional Fellow, c/o Carolyn Charles, Job PB/014061/JS, by e-mail to biosciemployment@lbl.gov or by mail to Biosciences Human Resources Center, Lawrence Berkeley National Laboratory, 1 Cyclotron Road, MS 941, Berkeley, CA 94720.

Berkeley Lab is an Affirmative Action/Equal Opportunity Employer committed to the development of a diverse workforce.



TENURE TRACK FACULTY POSITIONS

Anticancer Drug Pharmacology, Preclinical Drug Development & Mouse Models for Cancer Prevention and Therapy

Grace Cancer Drug Center Roswell Park Cancer Institute, Buffalo, NY

The Department of Pharmacology and Therapeutics at Roswell Park Cancer Institute seeks to fill two faculty positions at the level of Assistant Member in the areas of mechanisms of anticancer drug action, selectivity or resistance; preclinical cancer drug development with emphasis on drug combinations and/or identification of determinants of *in vivo* drug action; mouse models for developing or evaluating prevention or treatment strategies. The Grace Cancer Drug



ROSWELL

r treatment strategies. Ine Grace Cancer Drug Center provides a rich multidisciplinary environment and the opportunity to interact with basic research scientists, anticancer pharmacologists and oncologists. Competitive salaries and start-up packages will be provided. Interested candidates should send a CV, names of 3 references, and a summary of research interests to: GCDC Faculty Search, c/o Dr. Carl W. Porter, Grace Cancer Drug Center, Elm and Carlton Streets, Buffalo, NY 14263. Electronic inquiries will be received at cheryl.melancon@roswellpark.org

Roswell Park Cancer Institute is an Equal Opportunity/Affirmative Action Employer.

Assistant, Associate or Full Professors UMDNJ -ROBERT WOOD JOHNSON MEDICAL SCHOOL

The Department of Pathology & Laboratory Medicine invites applications for full-time tenured-track Aenured faculty positions. Disciplines of interest include molecular cell biology, biochemistry/biophysics, vertebrate/invertebrate developmental biology and genetics. The positions are in the Research Division of the Department, located on the Piscataway Campus of the Robert Wood Johnson Medical School and Rutgers University.

Appointment requires a Ph.D. or M.D. degree, postdoctoral experience, and evidence of outstanding research potential, or for the more senior applicants, evidence of outstanding academic achievement. Applicants should provide a curriculum vita, brief description of research plans, reprints of recent papers, and the names of three or more individuals who would provide letters of recommendation to be sent to: Peter D. Yurchenco, M.D., Ph.D., Professor and Vice-Chair, Department of Pathology & Laboratory Medicine, UMDNJ-Robert Wood Johnson Medical School, Medical Education Building - Room 212, One Robert Wood Johnson Place, New Brunswick, NJ 08903

UMDNJ is an Affirmative Action/Equal Opportunity Employer, M/F/D/V, and a member of the University Health System of New Jersey. Regrettably we can respond only to those candidates chosen for an interview.



To learn more about us, visit our website: http://www.umdnj.edu/hrweb/



Director, Division of Viral Products

The FDA, Center for Biologics Evaluation and Research, Office of Vaccines Research and Review is searching for a Director for its Division of Viral Products. The Director is responsible for managing a staff of approximately 75 scientists and support staff in assuring the safety and effectiveness of vaccines used in the prevention of viral diseases. US Citizenship is required. Applicants possessing an M.D., PhD. or M.D./PhD. are highly desired. Applicants must have experience in managing a broad scientific research or regulatory program; a demonstrated ability to deal effectively with high-level governmental officials, the scientific and academic communities, medical and health-related organizations, representatives of the regulated industry and others; and the ability to implement equal employment opportunity programs. For additional information including salary and benefits, please contact Linda McGahey at 301-827-0655 by November 2, 2001 and/or log on to www.fda.gov/cber/inside/vacancy.htm, select Director, Division of Viral Products.

This Agency Provides Reasonable Accommodations to Applicants with Disabilities. Equal Opportunity Employer. Smoke Free Environment.

EMBL

FUNCTIONAL GENOMICS PROTEOMICS MOUSE BIOLOGY

The European Molecular Biology Laboratory, EMBL, wishes to recruit excellent young **research group leaders** in the above areas. Several positions are available at the headquarters laboratory in Heidelberg, Germany with a further position in the Mouse Biology Programme in Monterotondo, Italy. The Heidelberg laboratory provides facilities to support multiple relevant activities including microarray analysis, protein production, mass spectrometry, DNA sequencing and advanced light microscopy. High-level expertise in computational biology, many aspects of experimental molecular biology as well as physics, biophysics, chemical biology and instrument development is available at EMBL Heidelberg. The mouse biology programme currently consists of five independent research groups and is in the process of expansion. In addition, it offers in-house transgenic and knock-out service, as well as full access to the facilities of the other EMBL units.

EMBL is an international research organisation with its Headquarters Laboratory in Heidelberg, Germany and four additional units in Grenoble, Hamburg and Hinxton (the European Bioinformatics Institute, EBI) and Monterotondo, near Rome. The EMBL Research Programme in Mouse Biology is situated on the research Campus Adriano Buzzati-Traverso at Monterotondo (20km north of Rome). EMBL offers a highly collaborative international culture. It is committed to fostering top quality, interdisciplinary research by promoting an exciting and stimulating research environment consisting of young independent research groups with access to outstanding graduate students and postdoctoral fellows.

Informal enquiries can be made directly to the Scientific Coordinator, Dr. Iain Mattaj (mattaj@embl-heidelberg.de) or, for the Mouse Biology position, to the Mouse Biology Programme Coordinator, Dr. Nadia Rosenthal (rosenthal@embl-monterotondo.it).

Closing date: 31 October 2001. The positions will be available in early 2002.

EMBL Web site: http://www.embl-heidelberg.de/

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international organisation.

Applicants should submit a curriculum vitae, quoting ref. no. 01/127, with a concise description of research interests and future plans, and should arrange for three letters of recommendation to be sent to:

The Personnel Section, EMBL, Postfach 10.2209, D-69012 Heidelberg, Germany. Fax: +49 6221 387555; email: jobs@embl-heidelberg.de

DEAN, COLLEGE OF NATURAL SCIENCES Colorado State University Fort Collins, Colorado

Colorado State University continues the search for the position of Dean, College of Natural Sciences, and invites applications and nominations. The College consists of eight departments including Biochemistry and Molecular Biology, Biology, Chemistry, Computer Science, Mathematics, Physics, Psychology, and Statistics. The Center for Science, Mathematics, and Technology Education (CSMATE) is partially supported by the College. The College offers 10 B.S. and nine M.S. and Ph.D. degree programs and participates in two interdisciplinary graduate degree programs: ecology and cell and molecular biology.

Information about this position and the College can be found at website: http://www.colostate. edu/Depts/NatSci/.

Qualifications: The candidate must have an earned Doctorate and have a documented record of teaching and research excellence sufficient to qualify for faculty appointment as a tenured **PROFESSOR** in the College.

The following attributes will be important in evaluating candidates: (1) evidence of effective administrative experience and leadership, (2) evidence of ability to create and implement a shared strategic vision for the College, (3) evidence of ability to develop and sustain strong College programs while addressing central University priorities, (4) strong communication skills, (5) ability to work with people of diverse backgrounds, (6) success in developing and implementing interdisciplinary undergraduate and graduate curricular and research innovations, (7) commitment to diversity of students and faculty and to programs enhancing cultural pluralism, (8) success in working with the private sector to achieve development goals, and (9) commitment to K-12 collaboration.

Preferred starting date is on or before July 1, 2002. Applicants should send a letter stating their interest and qualifications for the position including a summary of their personal innovations and accomplishments related to the above attributes. Include curriculum vitae and the names, postal and e-mail addresses, and telephone numbers of at least five references. Applicants are encouraged to submit materials electronically. Applications and nominations should be sent to: James L. Fry, Dean of the Graduate School, 204 Student Services Building, Colorado State University, Fort Collins, CO 80523-2015. Telephone: 970-491-6817; FAX: 970-491-2194; email: cnsdean@grad.colostate.edu.

Screening of candidates will begin on October 29, 2001, and will continue until a qualified candidate is selected and the position is filled.

Colorado State University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF BIOLOGY Linfield College

The college seeks applicants for a tenure-track Assistant Professor beginning July 1, 2002. We seek a Conservation Biologist with a specialization in mycology and an ability to apply geographic information systems (GIS) concepts to conservation. Four courses taught annually include two advanced biology majors courses in area of specialty with laboratory or field experience, participation in a team-taught introductory sequence for biology majors, and first semester of an introductory sequence for environmental studies majors. Opportunities available for an intensive seminar or travel course taught in January term. Ph.D. in biology or related field and commitment to developing a research program involving undergraduates required; postdoctoral experience desirable. Linfield College is a selective, private liberal arts college where excellence in teaching and research is highly valued. Send application letter; statements of teaching philosophy and research interests; teaching evaluations (if available); three letters of reference; and curriculum vitae by November 2, 2001, to: Dr. Kareen Sturgeon, Linfield College, 900 S.E. Baker Street, Mc-Minnville, OR 97128.

POSITIONS OPEN



TENURE-TRACK FACULTY POSITIONS University of Pittsburgh School of Medicine Department of Pharmacology

University of Pittsburgh School of Medicine has committed to enhance further its basic research faculty. We seek two research-oriented individuals to join our well-funded faculty as ASSISTANT or ASSO-CIATE PROFESSORS. The desired candidates will have an M.D. or Ph.D. from any subdiscipline of the life sciences including pharmacology, biochemistry, molecular biology, and neurobiology. We are especially interested in individuals with outstanding communication skills who will complement our existing strengths in ion channels, G protein-mediated signaling, cell death, drug discovery, and drug resistance. Candidates using structural approaches are encouraged to apply.

Successful candidates will be expected to develop outstanding independent research programs. Very attractive start-up packages have been committed for the successful candidates. Interested applicants should provide a one-page statement on their proposed research, curriculum vitae, and the names and contact information of three professional references. The application deadline is November 1, 2001. Application should be sent to:

Faculty Search Committee Department of Pharmacology University of Pittsburgh, School of Medicine Chair, Search Committee W1340 Biomedical Science Tower Pittsburgh, PA 15261

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

Tenure-track position in microbial pathogenesis. Applicants are being sought for a tenure-track faculty sition at the ASSISTANT or ASSOCIATE PRO-FESSOR level in Richmond, Virginia. Applicants should have a Ph.D. or equivalent, a record of research accomplishments, and an interest in graduate and medical education. Strong consideration will be given to candidates that apply modern molecular, genomic, and systemwide approaches to the understanding of infectious diseases mechanisms. For additional information, see website: http://views. vcu.edu/micro/. Interested candidates should submit curriculum vitae, a statement of current and future research interests, and arrange to have at least three letters of reference sent to: Dr. Dennis Ohman and Search Committee, Department of Microbiology and Immunology, P.O. Box 980678, Medical College of Virginia Campus, Virginia Commonwealth University, Richmond, VA 23298-0678. E-mail: deohman@hsc.vcu.edu. Applications will be reviewed upon receipt and considered until December 31, 2001. VCU is a culturally diverse, Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.

STRUCTURAL BIOLOGISTS

The Department of Biochemistry and Biophysics at the University of Rochester School of Medicine and Dentistry invites applications for tenure-track positions in structural biology, particularly in NMR and X-ray crystallography. We are targeting recruitment at the ASSISTANT PROFESSOR level, but recruiting at higher ranks will be considered based on qualifications. The University of Rochester School of Medicine is undergoing a major expansion in its research enterprise. Structural Biologists will find a stimulating and collaborative environment. Please submit curriculum vitae; a research proposal; and arrange to have three letters of reference sent by October 31, 2001, to: Structural Biology Search Committee, Department of Biochemistry and Biophysics, University of Rochester Medical Center, 601 Elmwood Avenue, Rochester, NY 14642

POSITIONS OPEN

FACULTY POSITIONS IN BIOLOGY Northeastern University BIOINFORMATICS

The Department of Biology of the College of Arts and Sciences, in conjunction with the Bouve College of Health Sciences and the College of Computer Science, invites applications for a tenure-track ASSIST-ANT PROFESSORSHIP available September 2002. Qualifications include a Ph.D. in bioinformatics or a related discipline and postdoctoral experience. The successful candidate will be expected to develop an externally funded research program in bioinformatics and to participate enthusiastically in undergraduate and graduate teaching. Our website: (http://www.biology.neu.edu) provides information about the Department. The websites of Bouve College of Health Sciences (http://www.bouve. neu.edu) and the College of Computer Science (http://www.ccs.neu.edu) provide additional background on bioinformatics-related research at Northeastern.

ECOLOGY

The Department of Biology invites applications for a tenure-track ASSISTANT PROFESSORSHIP available September 2002. Qualifications include a Ph.D. in ecology or a related discipline and postdoctoral experience. The successful candidate will be expected to develop an externally funded research program in ecology and to participate enthusiastically in undergraduate and graduate teaching. All areas of ecological science will be considered for this position including community, population, behavioral, evolutionary, physiological, and biochemical ecology. Applicants should note the opportunity for marine ecological research available at our Marine Science Center in Nahant, Massachusetts, but Ecologists working in other habitats will also be considered. Our web sites: http://www.biology.neu.edu and http:// www.dac.neu.edu/msc) provide information about the Department and Marine Science Center.

Applicants should send curriculum vitae, a statement of research interests and plans, and a statement of teaching experience and interests to: Bioinformatics Faculty Search Committee or the Ecology Faculty Search Committee, 414 Mugar Hall, Northeastern University, Boston, MA 02115. The applicant should also arrange to have at least three letters of reference sent independently to the appropriate committee. Review of applications will begin on December 1, 2001. Northeastern is an Equal Opportunity/Affirmative Action Title IX University. Women and minority candidates are especially encouraged to apply.

STAUFFER ASSISTANT PROFESSOR ANALYTICAL CHEMISTRY California Lutheran University

The California Lutheran University Department of Chemistry invites applications for a tenure-track appointment as the Stauffer Assistant Professor of Analytical Chemistry to begin fall 2002. Individuals with interests in environmental and/or inorganic chemistry with interdisciplinary applications are especially invited to apply. Candidates must possess a Ph.D. in chemistry and must be committed to excellence in teaching and in developing an active research program that involves undergraduates. Funds will be available. Prior experience in teaching and postdoctoral research is desirable. The successful candidate will teach undergraduate courses in analytical chemistry, in the introductory/general chemistry courses, and advanced courses in areas of interest. Submit a letter of application, curriculum vitae, statement of teaching philosophy and of research plans, and have three letters of recommendation sent to: Stauffer Chemistry Search Committee 3700, California Lutheran University, 60 West Olsen Road, Thou-sand Oaks, CA 91360. To ensure full consideration, all materials should be received by October 15, 2001. You may visit the CLU website: http://www. clunet.edu for more information about our university. CLU is an Equal Opportunity Employer. The University encourages candidates who wll contribute to the cultural diversity of CLU to apply.

TENURE-TRACK FACULTY POSITIONS

The Department of Biomedical Sciences (BMS) in the College of Veterinary Medicine at Iowa State University is seeking candidates for tenure-track Assistant Professor faculty positions in physiology and pharmacology. Candidates are expected to establish and conduct independent research and to teach undergraduate, graduate, and professional students. BMS has focused its main research interests in neuroscience; however, applicants in other fields are also encouraged to apply. Teaching responsibilities include system physiology or pharmacology. The Department is looking for energetic candidates to join the expanding BMS faculty and interact with the interdisciplinary graduate programs at Iowa State University. A PhD or PhD/DVM (or equivalent) degree with potential to conduct research and teach is required. Teaching experience, good publication record, and ability to secure extramural funding are preferred.

Applications will be processed as received, and review of candidates will begin October 15, 2001. Please send a hard copy of: (1) signed letter of application, (2) curriculum vitae, (3) statement of career goals, and (4) three names of reference to:

Dr. Richard J. Martin Professor and Chair Department of Biomedical Sciences College of Veterinary Medicine Iowa State University Ames, IA 50011-1250 telephone 515-294-2470

In addition please send a complete e-mail application to Linda Erickson at lericks@iastate.edu

For further information contact our Website: http://www.vm.iastate.edu/departments/bms

Iowa State University is an Affirmative Action/ Equal Opportunity Employer.

The University of North Carolina At Chapel Hill



Faculty Position Biochemistry and Biophysics

The Department of Biochemistry & Biophysics in the School of Medicine invites applications for a tenure-track faculty position at the Assistant Professor level. We seek candidates whose interests are in the areas of proteomics, mechanistic enzymology, cellular biophysics, or computational or structural biology (especially involving NMR investigations of macromolecules). Exceptional candidates in other areas of biophysics will also be considered, however. A highly competitive start-up package, quality research space, and access to numerous core facilities, including a well funded, state-of-the-art proteomics core facility, are available. Our large and scientifically diverse department is ranked 8th nationally in total NIH funding. We have a highly regarded departmental graduate program, and a strong biophysics predoctoral training program involving 45 faculty preceptors from across the university is also centered in our department.

Chapel Hill is an attractive college town with excellent schools and diverse cultural opportunities.

Review of applications will begin October 15, 2001, and continue until the position is filled. To apply, please send a CV, statement of research interests, representative publications, and at least three letters of recommendation to:

Dr. David Lee, Chair Department of Biochemistry & Biophysics, CB#7260 The University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-7260

Homepage http://www.med.unc.edu/wrkunits/2depts/biochem/ The University of North Carolina is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

Whole Genome Scanning



Discovering the genetic basis of complex disease to improve lives

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

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

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

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

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



FACULTY POSITIONS BIOCHEMISTRY/MOLECULAR BIOLOGY Johns Hopkins University

The Department of Biochemistry and Molecular Biology invites applications for multiple tenure-track faculty positions. Preference will be given to candi-dates at the ASSISTANT PROFESSOR level, but exceptional candidates at more senior levels will also be considered. We seek creative and energetic candidates with exceptional promise and strong records of accomplishment. Outstanding candidates in any area of biochemistry or molecular and cell biology will be considered, but we are particularly interested in the following research areas: the molecular genetics of cancer, mechanisms of eukaryotic DNA repair, X-ray crystallography/structural biology, developmental biology/reproductive biology, and chemical biology. The successful candidates will be expected to establish a dynamic research program and to demonstrate a strong commitment to graduate training and education. Applicants should submit curriculum vitae, a concise summary of research accomplishments, and a two-page statement of research plans as well as arrange for three letters of recommendation to be sent to: Dr. Roger McMacken, Chair, Department of Biochemistry and Molecular Biology, Johns Hop-kins University, School of Public Health, 615 North Wolfe Street, Baltimore, MD 21205. Review of applications will begin November 1, 2001. Please visit our website: http://www.jhsph.edu/ bmb/ for additional information about our Department. This recruitment is supported in part by monies from Maryland's Cigarette Restitution Fund. The Johns Hopkins University actively encourages interest from women, underrepresented minorities, individuals with disabilities, and veterans. The University is an Equal Opportunity/ Affirmative Action Employer.

FULL-TIME, TENURE-TRACK ASSISTANT/ASSSOCIATE PROFESSOR Department of Biological Sciences

East Stroudsburg University is seeking applications for a full-time, tenure-track Biotechnologist/Molecular Biologist at the Assistant or Associate Professor level beginning spring 2002. Requirements: Ph.D. in biological sciences, a strong commitment to undergraduate teaching, and expertise in both molecular techniques and biotechnology concepts. Final determination will be based upon successful interview, which may include a teaching demonstration. Experience in biotechnology applications along with teaching experience in biological sciences is preferred. This individual may be asked to teach Introduction to Biotechnology, Introduction to Molecular Biotechnology, Introductory Biology, and laboratories. Applicants may also teach courses in an area of specialization. Applicants should submit a brief letter of introduction; description of teaching and research experiences; curriculum vitae; transcripts; and three letters of reference by October 10, 2001, to: Dr. Jane E. Huffman, Search and Screen Committee Chair, Department of Biological Sciences, East Stroudsburg University, East Stroudsburg, PA 18301. Visit our website: http://www.esu.edu.

ESU is an Equal Opportunity Employer. Minorities and women are strongly encouraged to apply.

ASSISTANT/ASSOCIATE PROFESSOR

One long-term-track faculty position. Begin January 2002 or August 2002. Ph.D. required. Primary teaching responsibility will be environmental science courses along with freshman biology courses. Experience in small college preferred. Liberal arts environment. Responsibilities include academic advising and committee work. Expected to engage in research with undergraduates, to publish, and to seek extramural funding for one's research. Strong record of teaching excellence and scholarship desirable. Letter stating interests; complete résumé; transcripts; and three letters of reference due prior to November 1, 2001, to: Sr. John Karen Frei, Dean, School of Natural and Health Sciences, Barry University, Miami Shores, FL 33161.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR POSITIONS Amherst College

Two full-time, tenure-track faculty positions are available for Ph.D. Chemists, one in organic chemistry and one in physical chemistry, beginning in July 2002. Both positions call for teaching at the introductory and advanced undergraduate level. Participation in interdisciplinary courses and programs is also encouraged. Successful candidates will be expected to establish a vigorous research program in which undergraduates can substantively participate. The research program in organic chemistry can be drawn from any area of experimental organic chemistry including fields that span the boundaries between organic and other chemical disciplines. Similarly, the research program in physical chemistry can be drawn from any area of experimental physical chemistry including fields that span the boundaries of physical chemistry and other sciences. Amherst College, a private, coeducational liberal arts college of some 1,600 students and 165 faculty located in the Connecticut River Valley of Western Massachusetts, participates with Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts in the Five-College Consortium. Applicants should submit detailed curriculum vitae, a description of their teaching and research plans, and should arrange for the forwarding of three letters of reference to: Professor Patricia B. O'Hara, Chair, Department of Chemistry, Amherst College, Amherst, MA 01002. Review of material will begin October 19, 2001. Amherst College is an Affirmative Action/ Equal Opportunity Employer and encourages women, minorities, and persons with disabilities to apply.

Tenure-track ASSISTANT PROFESSORSHIP available in Department of Microbiology and Immunology, Medical College of Virginia campus, Virginia Commonwealth University (VCU). Position at Assistant Professor level or higher is available in the Department of Microbiology and Immunology at VCU. Applicant must hold Ph.D. degree or equivalent and have at least two years of postdoctoral experience. Candidates must have formal training and expertise in cellular and/or molecular immunology. The successful applicant is expected to establish a strong, grant-supported independent research program and to contribute to departmental teaching responsibilities. Applicants with expertise in any immunological subspecialty are encouraged to apply, but preference will be given to those who complement existing research strengths in immediate type hypersensitivity, B cell biology, etc. For additional information, see website: http://views. vcu.edu/micro/. Send statement of research interests; curriculum vitae; and arrange submission of at least three letters of reference by November 30, 2001, to: Dr. John G. Tew and Search Committee, Microbiology and Immunology, Box 980678, Richmond, VA 23298-0678. E-mail: tew@hsc.vcu.edu. VCU is a culturally diverse, Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.

TENURE-TRACK ASSISTANT PROFESSOR IN SUBSTANCE ABUSE Duke University Medical Center Department of Psychiatry and Behavioral Sciences

We are seeking a Psychologist with a Ph.D. or equivalent degree with treatment training in clinical research to work in the North Carolina node of the National Drug Abuse Clinical Trials Network. The successful applicant will develop and implement multisite trials of medication and behavioral interventions in real world settings and will also be expected to develop an independent but related fundable research portfolio. Please forward your curriculum vitae to: **Robert L. Hubbard, Ph.D., DCRI, P.O. Box 17969, Durham, NC 27715. FAX (with cover page): 919-668-7020; e-mail: hubba014@onyx. dcri.duke.edu.** Duke University is an Equal Employment Opportunity/Affimative Action Employer; women and minorities are encouraged to apply.

POSITIONS OPEN

ASSISTANT PROFESSOR OF BIOLOGY Amherst College

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

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

ASSISTANT PROFESSOR Terrestrial Vertebrate Ecologist

Lawrence University, an undergraduate liberal arts college, seeks applicants for a full-time, tenuretrack Assistant Professor in biology to begin Sep-tember 2002. We seek an Ecologist with expertise in terrestrial vertebrate studies and with interests in conservation or ecological restoration issues. Experience with information technology pertaining to spatial dynamics or landscape studies is desirable. The individual will be expected to contribute to the introductory biology sequence and develop courses in vertebrate ecology and an area of expertise. Participation in the Environmental Studies and Freshman Studies programs will be required. The successful applicant will be expected to maintain a research program appropriate for undergraduate participa-tion. Application deadline is December 1, 2001. To apply, send curriculum vitae, statements of teaching philosophy and research interests, undergraduate and graduate transcripts, and three letters of reference to: Bart De Stasio, Chair, Biology Department, Lawrence University, Appleton, WI 54912. E-mail: destasib@lawrence.edu. Affirmative Action/Equal Opportunity Employer.

THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER The Endowment for Scholars in Biomedical Research

UT Southwestern is pleased to announce the continuation of the Endowed Program for Scholars in Biomedical Research. The Program, which is fully funded from private endowment, will provide \$600,000 over four years to support the research activities of each new ASSISTANT PROFESSOR (tenure track) appointed to the Program; five will be appointed annually. In addition, regular funding for salary as well as research space will be provided by the medical school department or research center offering the appointment. Positions in both basic science and clinical departments are available. The goal of the program is to assure a successful beginning of the research careers of an ever-growing cadre of outstanding young Investigators at UT Southwestern.

For detailed information about currently available faculty positions, please access our website: http://www.utsouthwestern.edu/home_pages/scholars/. Southwestern, The University of Texas Southwestern Medical Center at Dallas.

UT Southwestern is an Equal Opportunity Institution.

BIOMECHANICS

Department of Integrative Biology, University of California at Berkeley

Applications are invited for a tenure-track/tenured ASSISTANT, ASSOCIATE, or full PROFESSOR position starting July 1, 2002. Preference will be given to candidates who have received their Ph.D. within 15 years of the appointment date. The position is open to candidates with programs in any field of biomechanics. Candidates working at any level of organization and on any system/species are encouraged to apply. The appointee will join a well-equipped department with a strong multidisciplinary emphasis. Interactions with the newly formed Bioengineering Department, the Health Sciences Initiative and the Center for Neuroscience will be encouraged. Candidates should have a strong commitment to undergraduate and graduate teaching. Teaching responsibilities include participation in an upper division course in the candidate's specialty and in a core course on organismal form and function.

Applications, including a curriculum vitae, a list of publications, reprints of the three most significant publications, a brief (2 page maximum) statement of research and teaching objectives, and names, telephone numbers, and addresses (postal and e-mail) of at least three references should be sent to: **Biomechanics Search Committee**, **Department of Integrative Biology**, **University of California at Berkeley**, **Berkeley**, **CA 94720-3140**. Applications must be postmarked by October 15, 2001. Early applications are encouraged.

The University of California, Berkeley is an Affirmative Action/Equal Opportunity Employer committed to excellence through diversity.



Postdoctoral positions available immediately at the National Institute on Aging for the study of gene expression mo-

lecular mechanisms in ovarian cancer using Serial Analysis of Gene Expression (SAGE), cDNA arrays and other strategies. Our laboratory is interested in the identification of genes deregulated during ovarian tumorigenesis that may be used as potential targets for diagnosis and/or therapy. Our ongoing SAGE study of gene expression in ovarian cancer has identified a myriad of genes differentially expressed in ovarian cancer, including many novel ones (see Cancer Res. 60:6281 (2000)). The successful candidate for this position will be involved in the functional characterization of these genes and related pathways. Clinical applications will also be explored. Highly competitive salaries. A doctoral degree in molecular biology or related field is required.

Interested applicants should send a letter describing research interests and professional goals as well as a resume to: Pat J. Morin, Ph.D., Laboratory of Cellular and Molecular Biology, Gerontology Research Center, NIA, 5600 Nathan Shock Drive, Baltimore, MD 21224; Email: Morinp@grc.nia.nih.gov.

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Providing therapeutic protein production to the pharmaceutical industry using cost-effective, commercially proven and government regulated plant biotechnology.

The people at Integrated Protein Technologies use plant biotechnology to help meet the growing need for lifeenhancing pharmaceuticals with large-scale therapeutic protein production. As a division of **Monsanto**, Integrated Protein Technologies draws on the experience, technological excellence, intellectual property and resources of the world's leading agriculture and biotechnology scientists. Our commitment to deliver safe, economical and environmentally-beneficial products is backed by a proven and extensive track record of commercially successful and responsible biotechnology products and services.

Several positions are available at our St. Louis, MO and Madison, WI locations.

The following three positions are located at Monsanto's Biotechnology research facility on a wooded campus in suburban St. Louis, MO:

Senior Scientist - Small Scale Monoclonal Antibody Purification Lead

The experienced scientist we seek will lead a small group in purifying/characterizing novel monoclonal antibodies produced in transgenic plants. Strong monoclonal antibody purification and characterization skills are required. Experience with purifying a variety of different antibodies is a plus. You will also be responsible for ensuring that your area is compliant with GLP/GMP regulations. Requirements: A Ph.D. in Biochemistry or related field and 3-5+ years of relevant experience is preferred; exceptional BS/MS candidates with 10+ years of applicable experience will be considered. Strong organizational skills, excellent written and oral communication skills, and the ability to work well with other functions are essential.

Senior Scientist - Protein Purification

We seek an innovative, results-oriented Biochemist with expertise in protein purification to join a team responsible for the discovery and development of large scale purification processes for the manufacturing of monoclonal antibodies and other pharmaceutical proteins from transgenic plants. As a member of our process development team, the selected candidate will be responsible for developing novel protein separation technology and improving the understanding of the chemistry of existing processes. Requirements: A Ph.D. in Biochemistry with a strong background in protein purification and protein chemistry is required.

Senior Scientist - Protein Analytical Technology

As a member of our analytical technology group, you will develop methods for the analysis and characterization of protein biopharmaceutical products. You will work closely with the process technology group to provide analytical support for protein purification research and develop methods for characterization of monoclonal antibody products. Requirements: A Ph.D. in Analytical Chemistry or Biochemistry with a strong analytical emphasis. Strong skills in a variety of protein characterization methods (e.g. HPLC, immunoassays, gel electrophoresis, CE, mass spectroscopy) are essential. Experience in the analysis and characterization of monoclonal antibodies is a plus.

The following four positions are located at Monsanto's Agracetus research campus in Madison, WI:

Quality Assurance Manager

We seek a Quality Assurance Manager with expertise in GMP related guidelines and regulations. Responsibilities include establishing core GLP and cGMP management systems and ensuring training on quality and regulatory compliance. Requirements: A Bachelor's degree in physical, biological, or related science. Five or more years of experience preferably in the pharmaceutical industry. Strong organizational skills, written/oral communication skills, and the ability to work well with other functional groups are essential.

Research Assistant

In this research position, responsibilities will include vector construction, plant sampling, genome/RNA/protein analysis, experimental design, data integrity and interpretation. The ideal candidate should have a minimum of a B.S. degree in Biology or Chemistry with 2+ years of biological lab experience, preferably with transgenic plants.

Research Assistant

In this product development position, responsibilities will include vector construction, plant sampling, genome/RNA/protein analysis, experimental design, data integrity and interpretation. Experience with GMP/GLP is a plus. The ideal candidate should have a minimum of a B.S. degree in Biology or Chemistry with 2+ years of biological lab experience, preferably with transgenic plants.

Research Associate

In this product development position, responsibilities will include genomic analysis, molecular probe development, development of PCR protocols, vector construction, high throughput screening, plant sampling, experimental design, data integrity and interpretation. Minimally, a Biology or Biotechnology B.S. degree with 2-4 years experience or an M.S. degree with 0-2 years experience, preferably with transgenic plants, required.

For the Research Assistant/Associate positions, all candidates must be able to work productively in a team-based research environment, have excellent oral/written communication skills and good problem solving skills. Demonstrated skills are required in recombinant DNA methods, enzyme or immunological quantification, genome analysis and molecular biology. Effective collaboration with greenhouse, purification and regulatory specialists is essential. Experience with statistical analysis, database management and cGMP/GLP is a plus.

For confidential consideration, please submit resume online, which is our preferred method of response, at: sidham@qn.net Monsanto is an equal opportunity employer. We value a diverse combination of ideas, perspectives, and cultures. EEO/AA EMPLOYER M/F/D/V

For detailed information on career opportunities at Monsanto, visit www.monsanto.com.

TENURE-TRACK POSITION INTEGRATED PHYSIOLOGY Medical University of South Carolina

The Department of Physiology and Neuroscience at the Medical University of South Carolina invites applications for a 12-month tenure-track appointment. Rank will be commensurate with experience Applicants must have a Ph.D., M.D., or both with significant activity in biomedical research and in the teaching of systems-level physiology to professional and graduate students. Preference will be given to applicants who can demonstrate a record of excellence in teaching as well as in curriculum leadership and innovation. An individual holding this position will be expected to spend approximately one-third of their effort in laboratory research compatible with departmental interests including cellular and systems neuroscience and cardiovascular physiology. Review of applications will begin October 1, 2001, and continue until the position is filled. Applicants should submit curriculum vitae, a statement of teaching philosophy with copies of teaching evaluations and selected course materials, a statement of research interests and goals, and the names of three letters of reference to: Christopher Fredericks, Ph.D., Department of Physiology/Neuroscience, Medical University of South Carolina, P.O. Box 250510, Charleston, SC 29425. E-mail: frederic@musc.edu; website: http://www2.musc.edu/pgy/pgy.html. Medical University of South Carolina is an Equal Employment Opportunity Affirmative Action Employer.

CELL BIOLOGIST University of Michigan

The Department of Molecular, Cellular, and Developmental Biology at the University of Michigan solicits applications for a tenure-track ASSISTANT PROFESSOR. We seek an individual who uses a wide range of genetic, biochemical, and molecular approaches to study fundamental problems in eukaryotic cell biology. The successful candidate must have a Ph.D. in biology, cell biology, molecular biology, or a related field as well as postdoctoral experience. In addition to establishing a successful research program, the candidate will be expected to participate in under-graduate and graduate teaching in the Department. To apply, send curriculum vitae; copies of reprints; brief summaries of present research and future research plans and teaching interests; and arrange to have three letters of reference sent directly by October 19, 2001, to: Chair, Cell Biology Search Commit-tee, Department of Molecular, Cellular, and Developmental Biology, University of Michigan, 830 North University Avenue, Ann Arbor, MI 48109-1048

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

ASSISTANT PROFESSORSHIPS ORGANIC CHEMISTRY AND CHEMICAL BIOLOGY Harvard University

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

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

POSITIONS OPEN

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BOSTON BIOMEDICAL RESEARCH INSTITUTE FACULTY POSITION

Boston Biomedical Research Institute, an independent nonprofit research institute (website: http:/ www.bbri.org), invites applications for a JUNIOR or SENIOR RESEARCH FACULTY position from Scientists with postdoctoral experience and significant research accomplishments. The successful candidate will establish an independent, externally funded research program that will complement the research of other Investigators at the Institute. Current faculty include Biochemists, Biophysicists, Cell Biologists, and Structural Biologists with research programs in cell motility/contractility, signal transduction, and regulation of cell growth. A generous start-up package is available. The Institute is located in a new state-of-the-art research facility in Watertown, Massachusetts, in an attractive 60,000-squarefoot building less than two miles from Harvard Square in Cambridge. Applicants should submit by mail their curriculum vitae, a brief statement of research plans, and arrange to have letters from three references sent to: Chair, Search Committee, Boston Biomedical Research Institute, 64 Grove Street, Watertown, MA 02472. Screening of applications will begin on November 1, 2001. BBRI encourages applications from women and underrepresented minorities.

BIOMECHANICS POSITION

Biomechanist: **ASSISTANT PROFESSOR**, tenure track, beginning July 1, 2002. The successful candidate will teach an advanced-level course and coteach a biology core course. Essential qualifications include a Ph.D., excellence in teaching, and development of an active research program in biomechanics (preferably at the whole organism level) that will involve undergraduates. Information about the Department is available at website: http://www.mtholyoke.edu/ acad/biol/.

Mount Holyoke is an undergraduate liberal arts college for women with 2,000 students and 200 faculty. It is located 80 miles west of Boston in the Connecticut River Valley, and is a member of the Five College Consortium consisting of Amherst, Hampshire, Mount Holyoke and Smith Colleges, and the University of Massachusetts.

Send statements of teaching and research interests (including descriptions of possible courses), curriculum vitae, copies of publications, list of any relevant courses taught, transcripts, and three letters of recommendation to: Biomechanics Search Committee, Department of Biological Sciences, Mount Holyoke College, South Hadley, MA 01075-6418. Email: biology@mtholyoke.edu. Applications received by October 22, 2001, are assured full consideration. Mount Holyoke is committed to fostering multicultural diversity and awareness in its faculty, staff, and student body and is an Affirmative Action/Equal Opportunity Employer. Women and people of color are especially encouraged to apply.

HEMATOLOGIST FACULTY POSITION

The Division of Hematology at Stony Brook University is seeking a Physician/Scientist for a full-time academic position at the **ASSISTANT** or **ASSOCI**-ATE PROFESSOR level. Primary responsibilities will be in research (75%) and patient care/teaching. Preference will be given to candidates with independent funding whose research interests are broadly related to genetics, vascular biology, hemostasis/ thrombosis, and hematopoiesis. Must be Boardcertified in internal medicine and Board eligible/certified in hematology and/or oncology. Board Considerable start-up funds and laboratory space are available to support this expanded research effort. Please send letter of interest and curriculum vitae to: Dr. Wadie F. Bahou, Chief of Hematology, Stony Brook University/SUNY, HSC, Level 15, Room 040, Stony Brook, NY 11794-8151. Stony Brook is an Affirmative Action/Equal Opportunity Educator and Employer.

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION Structural Biology

The School of Biological Sciences, University of Missouri-Kansas City (UMKC) invites applications for a tenure-track faculty position (ASSISTANT or ASSOCIATE PROFESSOR) in X-ray crystallography. Consideration will be given to applicant research areas compatible with but not limted to existing lines of the School's research focus on molecular recognition including macromolecular assembly. We seek an outstanding scholar with demonstrable achievements in research, teaching experience in an Englishlanguage institution, and exemplary communication and supervisory skills. Teaching activities will involve participation in at least two of the following disciplines: biophysics, biochemistry, molecular biology, cell biology. State-of-the-art research facilities including membership in the SER-CAT at APS (Argonne), start-up funds, competitive salary, and fringe benefits are available. Review of applications will begin immediately and will continue until the position is filled. Submit curriculum vitae with summary of present and future research interests and request that three letters of recommendation be forwarded to: CBB Search Committee, Division of Cell Biology and Biophysics, School of Biological Sciences, BSB 403, University of Missouri-Kansas City, 5100 Rockhill Road, Kansas City, MO 64110-2499

Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR of medicinal chemistry. The Division of Medicinal and Natural Products Chemistry of the College of Pharmacy at the University of Texas at Austin invites applications for a tenure-track position at the Assistant Professor level to be filled by September 2002. The selected candidate will be expected to establish a vigorous research program in any area of modern medicinal or bioorganic chemistry. Teaching in the professional (Pharm.D.) program and the development of graduate courses in the area of research expertise are also expected. A Ph.D. in medicinal chemistry, chemistry, biochemistry, or the biological sciences and relevant postdoctoral experience are required. The University of Texas College of Pharmacy offers an exciting and highly visible research environment with excellent opportunities for collaboration with faculty in the Department of Chemistry and Biochemistry and the Institute for Cellular and Molecular Biology. Send curriculum vitae, a summary of research plans, and the names of three references to: Dr. Chris Whitman, Medicinal Chemistry Di-vision, PHR 4.220B, College of Pharmacy, The University of Texas, Austin, TX 78712-1074. The deadline for the receipt of applications is October 31, 2001. The University of Texas at Austin is an Equal Opportunity Employer. Qualified women and minorities are encouraged to apply.

ASSISTANT PROFESSOR ANIMAL ECOLOGY Tennessee Technological University Cookeville, Tennessee

Responsibilities: The successful candidate will teach general biology (each semester), entomology, and advanced animal ecology. Maintain an externally funded research program and serve as an advisor to undergraduate and graduate students.

Qualifications: Ph.D. in ecology, zoology, or a related discipline. Demonstrated potential to teach entomology and upper-division animal ecology courses and to develop a funded research program. Research interests that complement those of current faculty.

Screening date: Screening will begin on October 15, 2001; applications will be accepted until the position is filled.

Contact: Submit a résumé, letter of application describing teaching and research interests, copies of transcripts, TTU application, and names of three references to: Ecology Search Committee, Department of Biology, Box 5063, Tennessee Technological University, Cookeville, TN 38505. For complete position summary, see website: http:// www2.tntech.edu/jobs.

Affirmative Action/Equal Employment Opportunity.



ASSISTANT PROFESSOR IN BEHAVIORAL NEUROGENETICS

The UNIVERSITY OF MINNESOTA - Twin Cities seeks outstanding candidates for a joint faculty position in Neurogenetic Approaches to Behavior shared between the Department of Psychology in the College of Liberal Arts and the Institute of Human Genetics and the Department of Neuroscience in the Academic Health Center. This appointment will be made at the tenure-track Assistant Professor level. Decisions about the tenure home for this position will be determined by a candidate's qualifications and departmental fit. Essential qualifications are a PhD in psychology, neuroscience, genetics or related field, by August 2002, the potential for carrying out outstanding interdisciplinary research, and a commitment to teaching; postdoctoral experience is preferred.

The successful applicant will be expected to carry on an active program of research and scholarship, and contribute to the education and training of graduate and undergraduate students in the Departments of Psychology and Neuroscience. The applicant's research should involve neurogenetic approaches to behavior. We are especially interested in individuals who are studying complex behavioral systems using modern molecular, cellular or genetic methods. These systems may include learning and memory, psychopathology, or emotion. Preference will be given to candidates who bridge interests of existing faculty in the Departments of Psychology and Neuroscience and the Institute of Human Genetics. Teaching responsibilities will include contributions at the undergraduate, graduate and professional levels in the Departments of Psychology and Neuroscience. The applicant selected to fill this position will also be expected to contribute to the service needs of the relevant departments, colleges, and University. Standard teaching and service duties will be divided among the sponsoring departments. Beginning date for this full-time academic faculty position is August 2002. Salary is competitive and will depend on the candidate's qualifications and experience.

This position announcement is available at http://www.psych.umn.edu or http://www.neurosci.umn.edu. Information about the departments, facilities, and faculty can also be obtained at these web sites. Interested candidates should submit a curriculum vitae, a 500-word statement of research and teaching interests, selected reprints and preprints, and three letters of evaluation to:

Chair, Behavioral Neurogenetics Search Committee Department of Neuroscience, University of Minnesota 6-145 Jackson Hall, 321 Church Street S.E. Minneapolis, Minnesota 55455 USA or kingx040@umn.edu

Review of applications will begin immediately and continue until the position is filled.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

ASSISTANT/ASSOCIATE PROFESSOR DEPARTMENT OF GENETICS HARVARD MEDICAL SCHOOL

The Department of Genetics invites applicants for the position of Assistant/Associate Professor. Qualifications for the position include a strong potential for imaginative research in any area of contemporary biology. This position offers very significant scholarly and scientific resources as well as the opportunity to teach graduate and medical students with a strong interest in research.

Applicants should submit, as soon as possible, but prior to October 31, 2001, curriculum vitae, bibliography, a brief (limit to 500 words) description of research interests and ask three references to send letters of recommendation. These materials should be directed to:

> Dr. Philip Leder, Chairman Department of Genetics Harvard Medical School 200 Longwood Avenue Boston, MA 02115

Harvard University is an Equal Opportunity/Affirmative Action Employer and encourages the application of qualified women and minorities.

Faculty Positions at The James A. Baker Institute for Animal Health College of Veterinary Medicine

The Baker Institute for Animal Health seeks candidates for tenuretrack faculty positions at the Assistant, Associate, or Full Professor levels. The Institute has a distinguished record of discovery in areas that benefit animal and human health. This commitment to excellence continues today, with strong, federally funded programs in infectious diseases and immunology, developmental and reproductive biology, and medical genetics / genomics (web site: http://bakerinstitute.vet.cornell.edu/).

Outstanding individuals with expertise and interests compatible with or complementary to the Institute's existing strengths are strongly encouraged to apply. The Institute offers competitive startup packages, new laboratory facilities, and a supportive and highly interactive research environment. Successful candidates will be expected to develop an extramurally-funded program in biomedical research and to participate in teaching programs for professional and graduate students.

Review of applications will begin immediately. Applicants should send a cover letter with their curriculum vitae, description of research goals, and names, addresses, phone, fax numbers, and email addresses of three references to:



Dr. D. F. Antczak, Director James A. Baker Institute for Animal Health College of Veterinary Medicine Cornell University, Ithaca, NY 14853 Telephone: 607-256-5633 FAX: 607-256-5608 e-mail: <u>dfa1@cornell.edu.</u>

Cornell is an Equal Opportunity/Affirmative Action Employer/Educator.

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

ASSISTANT/ASSOCIATE OR FULL PROFESSOR OF CELLULAR BIOLOGY AND ANATOMY Medical College of Georgia

The Department of Cellular Biology and Anatomy at the Medical College of Georgia is seeking tenuretrack faculty at the Assistant/Associate or Full Professor level with research interests in cellular and molecular biology. The areas of research emphasis at the Medical College of Georgia include vision, epithelial cell biology, cardiovascular research, developmental biology, neuroscience, and a new state-supported cancer research initiative. Excellent opportunities exist for collaboration using state-of-the-art imaging, transgenic mouse, proteomics, and molecular biology core facilities. Competitive start-up packages are available. The quality of research will be the primary criterion for selection. Faculty will be expected to participate in teaching in the Schools of Medicine, Allied Health Sciences, or Graduate Studies. Applicants with a Ph.D. and/or M.D. should submit curriculum vitae, a letter describing research interests, and the names of at least three references to: Sylvia B. Smith, Ph.D., Chair, Faculty Search Committee, Department of Cellular Biology and Anatomy, Medical College of Georgia, CB2820, Augusta, GA 30912-2000. The Medical College of Georgia is an Equal Employment Opportunity/Affirmative Action Employer.

FACULTY POSITION ASSISTANT PROFESSOR

Faculty position, cellular or molecular physiology. The Department of Physiology, University of Wisconsin-Madison, invites applications for a tenuretrack Assistant Professor position in cellular or molecular physiology. We especially encourage applications from outstanding individuals who use state-of-the-art approaches in their research including functional genomics, proteomics, or animal models of human disease. The Department has recently recruited faculty in the neurosciences and is specifically addressing needs in other areas of physiology in this search. The successful candidate will participate in our teamtaught first-year medical physiology course and in the graduate and postdoctoral teaching programs of the Department. Opportunities for participation in campuswide interdisciplinary research and training programs are excellent.

Applicants should send curriculum vitae, a one- totwo-page summary of research interests and plans, and three letters of reference to: Dr. James Ervasti, Search Committee Chair, Department of Physiology, University of Wisconsin Medical School, Madison, WI 53706. Applications will be accepted until October 20, 2001. The University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply. Please reference PLV Number 40512.

PLANT PHYSIOLOGICAL ECOLOGIST

The Environmental Studies Department at University of California Santa Cruz seeks a Plant Physiological Ecologist for a tenure-track appointment at the ASSISTANT PROFESSOR level. The successful applicant will have expertise in (1) plant responses to the environment; (2) impacts of anthropogenic increases in carbon dioxide, temperature, precipitation, and pollutants on plant functions; (3) scaling of functional phenomena from molecular to global scales; and (4) the impact of plant responses to global climate change and their impact on social systems. Ph.D. in environmental studies, botany, plant physiological ecology, or related field. Applicants should submit a letter of application discussing their research agendas and teaching interests; three to five publications; three confidential letters of recommendation; and curriculum vitae to: Chair, Search Committee, Environmental Studies Department, University of California, Santa Cruz, CA 95064 by October 15, 2001. The full job announcement is posted at website: http://www2.ucsc.edu/ahr/academic.htm. UCSC is an Affirmative Action/Equal Employment Opportunity Employer.

POSITIONS OPEN

FACULTY POSITION MOLECULAR AND CELLULAR PHARMACOLOGY School of Medicine University of Miami

The Department of Molecular and Cellular Pharmacology at the University of Miami School of Medicine is seeking applications for a TENURE-TRACK FACULTY POSITION (rank open). Rank and salary will be commensurate with experience. Excellent laboratory space and start-up funds are available. Candidates must have a Ph.D. and/or M.D. degree and have an established record of research excellence. Applicants from all areas of molecular/cellular biology and biomedical research are welcome. The new faculty member will complement existing research efforts in the Department, which include regulation of cardiac and skeletal muscle function, ion channels, receptors and signal transduction, function and development of the nervous system, and steroid hormone action

Applicants should send curriculum vitae, description of current and future research interests, and the names and addresses of three references to: Dr. James D. Potter, Chairman, Department of Molecular and Cellular Pharmacology, University of Miami School of Medicine, P.O. Box 016189, Miami, FL 33101. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS IN PHYSICS University of Illinois at Chicago

The Department of Physics at the University of Illinois at Chicago (UIC) seeks highly qualified applicants for filling faculty positions at the **ASSISTANT PROFESSORSHIP** level. The search focus is in the areas of experimental condensed matter physics, experimental biophysics, and fundamental theory. At present, we have 30 faculty members active in many areas of physics and biophysics. Successful candidates will have a Ph.D. degree or equivalent and are expected to develop scientific programs to complement active research groups in the Department. Applicants should submit curriculum vitae, statements of research and teaching interests, and future plans. They should also arrange to have three letters of recommendation sent to:

Professor Inder P. Batra, Head Department of Physics University of Illinois at Chicago (MC 273) 845 West Taylor Street, Room 2236 Chicago, IL 60607-7059

Applications received by 7 January 2002 shall receive fullest consideration. The University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer.

CHAIR Department of Molecular Biology and Microbiology

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

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

POSITIONS OPEN

FACULTY POSITION INSECT NEUROBIOLOGY

The Arizona Research Laboratories Division of Neurobiology, an interdisciplinary research and teaching unit at the University of Arizona devoted to behavioral, cellular, developmental, molecular, and systems neurobiology using insects as experimental models, invites applications for a tenure-track ASSISTANT PROFESSORSHIP. See website: http://www.neurobio.arizona.edu/arldn/. We expect to fill this position in 2002. While all

We expect to fill this position in 2002. While all areas of insect neurobiology are open to consideration, the fields of neurophysiology, neurochemistry, and neuropharmacology (and particularly molecular and genetic studies of neural function in *Drosophila*) have priority in this search.

The successful candidate will be expected to conduct independent, externally funded, and productive research; teach undergraduate and graduate classes; supervise research trainees; and provide service to the Division and the University. Candidates must have a Ph.D. or equivalent degree, postdoctoral experience demonstrating commitment to and success in research, and teaching experience.

Review of applications will begin on October 15, 2001, and continue until position is filled. Send curriculum vitae, list of publications, reprints of key papers, a statement of research and teaching accomplishments and future plans, and arrange for at least three letters of recommendation to be sent to:

> Dr. John G. Hildebrand ARL Division of Neurobiology University of Arizona P.O. Box 210077 Tucson, AZ 85721-0077 U.S.A. E-mail: jgh@neurobio.arizona.edu

The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer; Minorities/Women/ Disabled/Veterans.

ECOLOGIST James Madison University Department of Biology

One tenure-track **ASSISTANT PROFESSOR** position. Start in January or August 2002. Ph.D. required. Preference given to Aquatic Ecologists using experimental and/or quantitative methods.

Teaching duties include half-time teaching in nonmajors biology, participation in majors ecology courses, and courses in area of specialty. Successful candidate must be committed to nonmajors education and show evidence of excellent teaching and communication skills including familiarity with instructional technologies. A continuing commitment to scholarly activity involving research by undergraduate and Master's students is required.

The Department has 600 majors, 80 minors, 12 M.S. students, and 31 full-time faculty. We have a departmental focus on involving undergraduates in scholarly research. Please visit our website: http:// www.jmu.edu/biology/. Submit curriculum vitae, statement of teaching philosophy and experiences, and summary of scholarly interests and goals. Arrange to have three letters of recommendation sent to: Chair of Ecology Searches, Department of Biology, MSC 7801, James Madison University, Harrisonburg, VA 22807. Applications will be reviewed beginning 15 October 2001 until suitable applicants are found.

JMU is an Equal Opportunity/Affirmative Action/Equal Access Employer and especially encourages applications from minorities, women, and persons with disabilities.

ASSISTANT/ASSOCIATE PROFESSOR, Natural Resources Management, Asian Institute of Technology, Thailand. Appointment at this diverse international institute of higher education is a renewable two-year contract. Duties include teaching M.Sc./Ph.D.-level courses in NRM policy and NRM planning for conservation and sustainable development, graduate supervision, and independent research. Ph.D. required. Application deadline 30 October 2001. For further details, refer to the AIT website: http://www.serd.ait.ac.th.



Plant Biology at The Salk Institute

The Salk Institute for Biological Studies invites applications for a faculty position in Plant Molecular and Cellular Biology. Candidates must have an outstanding record of research achievement. The successful candidate is expected to develop a strong research program in the general area of modern plant biology using innovative approaches. The position is open to candidates at the Assistant Professor level. All applicants must be legally employable in the United States. The Salk offers a competitive package and excellent benefits.

Qualified candidates should send a curriculum vitae, a short statement of research interests and scientific goals, reprints of key publications, and the names and addresses of three individuals who have been asked to submit letters of recommendation to:

Dr. Joanne Chory and Dr. Joe Ecker Plant Biology Search Committee Plant Biology Laboratory The Salk Institute for Biological Studies 10010 N. Torrey Pines Rd. La Jolla, CA 92037

The Salk Institute is an Affirmative Action/ Equal Opportunity Employer

Manager, Molecular Cytogenetics Facility

Memorial Sloan-Kettering Cancer has established a Molecular Cytogenetics Facility as part of a strategic plan to expand its research activities in genomics, especially in the areas of genetic mechanisms of carcinogenesis and identification of new diagnostic and therapeutic markers.

We are seeking a dynamic scientist to assume day-to-day management of the facility. The manager will be responsible for the development of the facility, supervision of staff, and providing sate-of-the-art molecular cytogenetics (chromosomal and fiber FISH, chromosome painting, SKY, CGH) assays for murine and human tumor studies by institutional investigators. The facility manager also will collaborate with the well established Microarray Core Facility in developing human and murine BAC arrays.

The successful candidate is expected to have a doctoral degree with specialization in cytogenetics, sound knowledge of human and murine chromosome analysis, and experience in molecular biology techniques as applied to genome analysis. Two to three years of postdoctoral training in academic or corporate research, attention to detail and accuracy, strong organizational and troubleshooting abilities, and good communication skills are required.

Appointment will be in the Laboratory (non-tenure) Track Faculty, equivalent to Assistant or Associate Research Professor at most Universities. Salary and rank according to qualifications. Address all inquiries along with CV and names of three references to: RSK Chaganti, PhD, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, NY 10021. Telephone: 212-639-8121; Fax: 212-717-3541; E-mail: chagantr@mskcc.org. EOE/AA



Memorial Sloan-Kettering Cancer Center The Best Cancer Care. Anywhere. www.mskcc.org/www.ski.edu



GSK Chair of Neuroscience The UNIVERSITY Manchester

The School of Biological Sciences wishes to appoint an individual of the highest international calibre to Chair of Neuroscience. Appointment to this Chair will present the successful candidate with a unique opportunity to develop a research group in one of the largest and most successful Bioscience Schools in Europe. The School has over £100M of external grant income, nearly 400 Graduate students, and a highly successful undergraduate programme. The Chair is supported in part by endowment from GlaxoSmithKline, which will enable the appointee to develop a relationship with one of the largest pharmaceutical companies in the world. Our strong culture of interdisciplinary collaborations encourages the establishment of links with groups in biology, medicine, the physical sciences and at the growing edge of biotechnology. This Chair will be complemented by an additional Chair in Clinical Neuroscience. The successful candidate may have a background in any area of neuroscience.

For informal discussion please contact Professor Nancy Rothwell, e-mail: nancy.rothwell@man.ac.uk

Information about the School of Biological Sciences, application forms and further particulars can be found at http://www.biomed.man.ac.uk

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

Closing date: 20th November 2001. Please quote reference number 689/01.



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.

Science Policy Director

The National Institute of Neurological Disorders and Stroke is seeking an energetic, articulate person to work at the intersection of science and public policy. NINDS, a component of the National Institutes of Health, is leading the fight to reduce the burden of neurological disease. We are looking for someone with a passion for science in the service of health who can lead a talented staff in identifying and responding to science policy issues that affect the Institute's mission and oversee a complex strategic planning process whose participants include the neuroscience research community, NINDS and other institute program staff, and patient advocates. Ideal candidates will possess experience in one or more of the following areas: the science policy component of a Federal science agency; a Congressional committee or Member office active in biomedical research issues; a policy institute concerned with issues affecting publicly funded research; or a patient or science advocacy group. NINDS values collaboration within and outside the institute, diversity in experience, background, and points of view, and managers who cultivate and encourage staff initiative. Salary range \$87,864 to \$114,224, depending on qualifications. US citizenship required. To receive a copy of the full vacancy announcement and application, visit the NINDS homepage: http://www.ninds.nih.gov/hrb. Announcement # NINDS-01-0494 . For questions contact Ms. Erica Greene at (310) 496-6334. Applications are due by 10/12/01.

NINDS is an Equal Opportunity Employer



The National Institute of N

The Department of Chemistry and Biochemistry at Denison University invites applications for a tenuretrack faculty position at the ASSISTANT PROFES-SOR level to begin in August 2002. Applications are sought from individuals with a strong commitment to teaching at the undergraduate level and the capacity to develop an active research program that involves undergraduates. Teaching responsibilities will include organic chemistry, general chemistry, and advanced courses in the applicant's field of expertise. Our ACSaccredited department has well-developed programs in both chemistry and biochemistry, excellent classroom and laboratory facilities, extensive computer resources, and a broad range of instrumentation that is used in both teaching and research: spectroscopy (300 MHz NMR, FT-IR, UV-vis); separations (GC/ MS and other GC methods, HPLC, electrophoresis); electrochemistry; and biochemistry (bioseparations, high-speed centrifugation, and PCR). AFM, STM, powder X-ray, and AA instrumentation are also available. A Ph.D. is required and postdoctoral experience is preferred. Applicants should submit curriculum vitae, transcripts, a statement of teaching philosophy, and a summary of research plans. These materials and three letters of recommendation should be sent to: Dr. Charles W. Sokolik, Department of Chemistry and Biochemistry, Ebaugh Laboratories, Denison University, Granville, OH 43023.

Denison University is located in central Ohio, 30 minutes cast of Columbus and about 2.5 hours from Cleveland and Cincinnati, Ohio, and Pittsburgh, Pennsylvania. Visit us at our website: http://www. denison.edu/chem. Informal inquiries may be made via e-mail: sokolik@denison.edu. Our review of completed applications will begin December 1, 2001, and continue until the position is filled. Denison University. an Equal Opportunity and Affirmative Action Employer, is committed to enhancing the diversity of its faculty, staff, and students and encourages applications from ivomen, minorities, veterans, and disabled persons.

ASSISTANT PROFESSORS OF BIOLOGY, Haverford College. Outstanding individuals for two tenure-track positions to begin fall 2002: a Molecular Neurobiologist who participates in the Area of Concentration in Neural and Behavioral Sciences, and a Molecular Microbiologist. Successful candidates will contribute to a vibrant curriculum and receive teaching credit for maintaining active research programs engaging undergraduate students in the study of important biological problems. Interest in developing classes for interdisciplinary students or nonscience majors welcomed. At least two years of postdoctoral research experience required. Send letter of application; curriculum vitae; statements of research plans and teaching interests; and three current letters of reference by October 15, 2001, to: Merleen Macdonald, Search Secretary (Neurobiology) or Terry Timberlake-Kinter, Search Secretary (Microbiol-ogy), Haverford College, 370 Lancaster Avenue, Haverford, PA 19041-1392. Questions to: Karl Johnson, Chair; e-mail: kjohnson@haverford.edu; website: http://www.haverford.edu. Haverford College is an Equal Opportunity/Affirmative Action Employer and, to diversify its faculty and enrich its curriculum, women and minority candidates are especially encouraged to apply.

TENURE-TRACK FACULTY POSITIONS Point Loma Nazarene University San Diego, CA

The Biology Department invites applications for two tenure-track positions to begin mid-August 2002. The first position is for a **MOLECULAR BI**-**OLOGIST/GENETICIST**, and the second is for an **ECOLOGIST/ANIMAL BEHAVIORIST**. Responsibilities include teaching courses for upperdivision majors in biology, courses in nonmajors biology, and active participation in a vigorous summer undergraduate research program. Ph.D. is required; postdoctoral research experience is preferred. For details and application instructions, go to **website:** http://www.ptloma.edu/academicaffairs/ Faculty/FacultyOpenings.htm. Point Loma Nazarene University is a Christian undergraduate liberal arts institution in the evangelical and Wesleyan tradition. POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR(S) University of Louisville School of Medicine

The University of Louisville School of Medicine invites applications and nominations for tenuretrack Assistant or Associate Professor(s) with appointment in the Department of Pharmacology and Toxicology and The James Graham Brown Cancer Center. Selected candidate(s) will transfer or develop a vigorous and independently funded research program that incorporates molecular, genetic, and/ or epidemiological approaches applicable to cancer prevention or treatment. The University of Louisville Health Sciences Center has established interdisciplinary research centers of excellence in genetics and molecular medicine and environmental health science. Applicants with research interests in these areas are particularly encouraged to apply. The primary responsibilities will be in research and Ph.D. training. For further information, please visit our website: http://www.louisville.edu/medschool/ pharmacology.

Applicants should send a letter outlining career research goals, curriculum vitae, and the names of three individuals who can be contacted for letters of reference to: David W. Hein, Chairman, Department of Pharmacology and Toxicology, University of Louisville School of Medicine, Louisville, KY 40292. Please include a second copy of your application addressed to: Donald M. Miller, Director, James Graham Brown Cancer Center. Applications should be received by November 1, 2001, for full consideration, but the application process will continue until the position is filled. The University of Louisrinies an Affirmative Action/Equal Opportunity Employer. Women and minorities are particularly encouraged to apply.

ANIMAL PHYSIOLOGIST

Lyon College seeks applications for a tenure-track position in biology at the **ASSISTANT PROFES**-SOR level beginning January or August 2002. A Ph.D. in a relevant area of biology is desired, but A.B.D. candidates will also be considered. Primary teaching responsibilities will include comparative animal physiology and cell biology or biochemistry. Other majors and general education courses will be taught by the successful candidate on a rotating basis. A research program that actively involves undergraduate students is expected. Research interests in a nonmammalian system preferred. Additional responsibilities will include participation in advising and college service. Salary and appointment will be commensurate with experience. Lyon College is an independent, selective, residential liberal arts college affiliated with the Presbyterian Church (U.S.A.). U.S. News and World Report has regularly ranked Lyon among the best regional liberal arts colleges in the South and as a best educational value. Beginning in 2002, the biology program will be housed in the Derby Center for Science and Mathematics, which is currently under construction. Located in the Ozark foothill community of Batesville, the picturesque campus is 90 miles north of Little Rock, Arkansas, and 125 miles west of Memphis, Tennessee. Review of applications will begin immediately and will continue until the position is filled. Interested candidates should send a cover letter; curriculum vitae; statements of teaching philosophy and research interests; unofficial copies of graduate transcripts; and the names, addresses, telephone numbers, and e-mail addresses of three references to: Dr. Bob Gregerson, Chair, Biology Search Committee, Lyon College, 2300 Highland Road, Batesville, AR 72501. Applications may also be submitted as e-mail attachments to e-mail: rgregerson@lyon.edu. The address of the Lyon website is http://www.lyon.edu/. Screening will begin immediately and will continue until the position is filled. Lyon College is an Equal Opportunity Employer.

POSITIONS OPEN

CHEMISTRY DEPARTMENT UNIVERSITY OF UTAH

Three TENURED or TENURE-TRACK POSI-TIONS are available. Applications will be considered in all areas of chemistry and at all levels, although those complementing our current faculty are most desirable. Candidates are expected to demonstrate the background, motivation, and ability to develop vigorous, competitive research programs and to be excellent teachers at the undergraduate and graduate levels. A Ph.D. is required; postdoctoral experience is desirable. Applicants for junior-level positions should send an application letter, a description of proposed research, detailed curriculum vitae, and should arrange for three letters of recommendation to be sent directly to the address below. Senior applicants should send an application letter and curriculum vitae. We do not accept applications by e-mail. To direct the applications to the appropriate subcommittee, applicants should indicate in their cover letter the areas of chemistry in which their teaching and research interests lie. Review of applications will begin Monday, October 1, 2001, and continue until suitable candidates are identified. Reply to:

Search Committee Department of Chemistry University of Utah 315 South 1400 East, Room 2020 Salt Lake City, UT 84112-0850

The University of Utah is an Affirmative Action/Equal Employment Opportunity Employer, encourages applications from women and minorities, and provides reasonable accommodation to the known disabilities of applicants and employees.

HUMAN GROSS ANATOMIST

Tenure-track ASSISTANT PROFESSOR/AS-SOCIATE PROFESSOR. Ph.D. or other Doctoral degree in anatomy, medical sciences, or a closely related discipline completed by 28 August 2002. Human Gross Anatomist with research experience in anatomy or related areas. Broad training in anatomy or physiology preferred. A strong commitment to college teaching, prior teaching at the college level, and experience working with diverse groups preferred. Duties: teaching upper-division and graduate courses in gross anatomy for biology and physical therapy majors, teaching introductory anatomy and human biology courses for nonmajors, developing new courses, participating in the physical therapy graduate program, engaging in scholarly activities, advising, supervising undergraduate and Master's research, serving on Department and University committees, and engaging in community service. Duties may also include participation in Department and University programs designed to recruit and retain students in science. Submit curriculum vitae, all transcripts, names and telephone numbers of three references, and statements of teaching and scholarly interests. Also arrange to have three letters of recommendation sent to: Laurel Heffernan, Chair, Biological Sciences, California State University, Sacramento, CA 95819-6077. Website: http://www.csus. edu/bios/. To ensure consideration, applications should be received by October 12, 2001; position open until filled. Affirmative Action/Equal Employment Opportunity.

BIOLOGY/MICROBIOLOGY: Elon University (website: http://www.elon.edu/) seeks a broadly trained Microbiologist for a tenure-track ASSIST-ANT PROFESSOR position starting August 2002. Ph.D. and evidence of excellence in teaching are required. Successful candidate will develop undergraduate research program, teach molecular/cellular core courses, classical microbiology, and interdisciplinary general studies courses. May teach upper-level biology and general biology for nonmajors. Review begins November 15, 2001, continuing until position is filled. Letter of application, curriculum vitae, teaching philosophy, research goals, transcripts, and three letters of support to: Dr. Herbert House, 2625 CB, Elon University, Elon, NC 27244. E-mail: househ@elon.edu. Equal Employment Opportunity Employer. Minority applicants are enouraged to apply. Symposia

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES NATIONAL INSTITUTES OF HEALTH TOXICOGENOMICS SYMPOSIUM ON

GENE EXPRESSION AND PROTEOMICS IN ENVIRONMENTAL HEALTH RESEARCH

Natcher Center National Institutes of Health Bethesda, Maryland

December 3-4, 2001

Symposium Co-Chairs:

Leona D. Samson, Massachusetts Institute of Technology Raymond W. Tennant, National Institute of Environmental Health Sciences James K. Selkirk, National Institute of Environmental Health Sciences

The goal of the symposium is to bring together experts in the fields of functional genomics, proteomics, toxicology, informatics and database development. The new science of toxicogenomics aims to discover mechanisms by combining clinical, genomic, and proteomic knowledge into a common framework of biochemical and genetic pathways to disease. The meeting format will consist of a keynote address, a special lecture, and presentations by invited speakers as well as panel discussions and audience participation to facilitate a free exchange of information.

Symposium Topics:

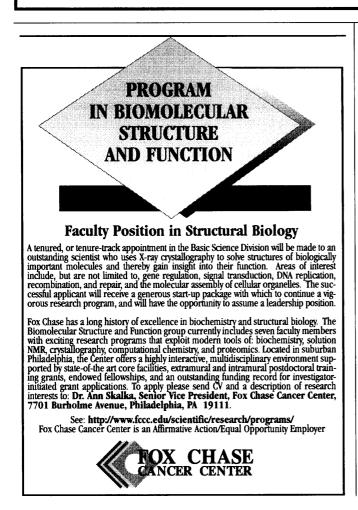
-Gene Expression -Proteomics, Biomarkers -Toxicogenomics -Environmental Genomics -Ethical, Legal, Social Issues

Program Participants:

Cynthia A. Afshari Chris A. Bradfield David C. Christiani Edwin A. Clark David Duggan Stephen H. Friend Carol S. Giometti Dave R. Goodlett Denis F. Hochstrasser Leroy E. Hood *(Keynote Address)* Michael Karin *(Special Lecture)* Lance A. Liotta Gary Marchant Daniel W. Nebert

- Deborah A. Nickerson Kenneth Olden Richard S. Paules William D. Pennie Bing Ren Denise Robinson Mark A. Rothstein
- Leona D. Samson Richard Sharp Raymond W. Tennant Roger R. Ulrich Cheryl L. Walker Robert B. Weiss Samuel H. Wilson

To receive Registration Information, please contact Dr. James Selkirk or Ms. Sandy Sandberg at the National Institute of Environmental Health Sciences, (919) 541-2548 or 541-3464. Additional information and an agenda can be found at http://www.niehs.nih.gov/nct/







MICROBIOLOGIST/MOLECULAR GENETICIST. The U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), National Center for Agricultural Utilization Research (NCAUR), Peoria, Illinois is seeking a permanent full-time Microbiologist/Molecular Geneticist, GS-12 (salary range \$50,139 to \$65,179 per annum, plus a comprehensive benefits package) for the Microbial Genomics and Bioprocessing Research Unit. The successful candidate is expected to develop a vigorous research program utilizing molecular genetic analyses to address problems associated with food-borne and other agriculturally important bacteria. The individual will be responsible for all aspects of the research and will benefit from excellent facilities. The candidate selected will join an established group of researchers focusing on molecular systematics and population biology of agriculturally important bacteria and fungi and will also serve as a resource person on bacteria for the ARS Culture Collection (NRRL), an internationally recognized collection of microbial germplasm. Applicants must have a Ph.D. or equivalent, significant training and research experience in molecular sytematics and/or population genetics, and a strong interest in the genetics and diversity of agriculturally important bacteria. U.S. Citizenship is required. For full text of the vacancy announcement, which includes application information, call Mike Horn (309) 681-6478; or visit the ARS vacancy website at www.ars.usda.gov/afm2/divisions/hrd/ hrdhomepage/empopp.htm, announcement number ARS-X1W-1464. For information on the research program and/or position, contact Dr. Cletus Kurtzman (309) 681-6561. Applications in response to this ad must be marked ARS-X1W-1464 and postmarked by October 15, 2001. USDA/ARS IS AN EQUAL **OPPORTUNITY PROVIDER AND EMPLOYER.**

ASSISTANT PROFESSOR Neuroscience

The Department of Biological Sciences at UMBC (University of Maryland, Baltimore County) requests applications for a tenure-track position at the Assistant Professor level in the broad area of neuroscience with an anticipated start date of fall 2002. A Ph.D. and two years of postdoctoral experience are required. The Department of 27 faculty members has a core group of Neuroscientists plus research strengths in molecular, cellular, and developmental and evolutionary biology and biochemistry. Interest groups in neuro and cognitive science draw from faculty of several departments and nearby academic and research institutions. The Biological Sciences Department (website: http://www.umbc.edu/biosci) occupies 100,000 square feet of newly renovated and wellequipped research space. We offer Doctoral programs in biological sciences, neurobiology and cognitive science, molecular and cellular biology, and marine/ estuarine/environmental sciences. New faculty are expected to establish strong research programs and contribute to teaching at the undergraduate and graduate levels. Salaries, start-up funds, and facilities are competitive

UMBC is located in the Baltimore–Washington area and has a "doctoral/research university, extensive" Carnegie classification. The university has a tradition of combining excellence in research with outstanding educational programs.

Review of applications will begin December 1, 2001, and continues until the position is filled. Include curriculum vitae, summary of current and future research, and arrange to have three letters of reference sent to: Phyllis Robinson, Ph.D., Chair, Neurobiology Search Committee, Department of Biological Sciences, UMBC, 1000 Hilltop Circle, Baltimore, MD 21250. UMBC is an Affirmative Action/ Equal Opportunity Employer.

MOLECULAR BIOMETRY University of Wisconsin-Madison

Candidates trained in mathematics, statistics, or related fields whose research responds to challenges from molecular and cell biology are sought for three **FACULTY POSITIONS** in molecular biometry, at least one of which is expected to be at the senior level. Research interests of the candidates should focus on models and methods of inference that exploit molecular information to guide understanding of biological systems and processes. Appointments are expected to be 50% in the Department of Mathematics and/or Statistics and 50% in an appropriate department in the biological sciences. Alternative arrangements are possible depending on the background and interests of the candidate.

Applicants should submit a letter of application, curriculum vitae, a statement of research accomplishments and interests, and should arrange for three letters of recommendation to be sent to: Thomas G. Kurtz, Chair, Molecular Biometry Search Committee, c/o Janis Simons, 140 Agricultural Hall, 1450 Linden Drive, Madison, WI 53706. At least one of the letters of recommendation should address the applicant's effectiveness as a teacher. For additional information, including closing dates, see website: http://www.math.wisc.edu/~kurtz/cluster/ ann.htm.

UW–Madison is an Equal Opportunity/Affirmative Action Employer.

California State University Channel Islands invites applications for FULL-TIME FACULTY POSI-TIONS in the Biology program with an emphasis in cell and molecular biology to start in fall 2002. Rank open. Candidates must have a Ph.D. in biology or a related field, a record of published research, and show potential for developing an externally funded research program. Areas of specialization include microbiolo gy, biotechnology, genetics, physiology, and/or environmental biology. Online applications and detailed information can be found at website: http://www. csuci.edu. Review of applications with begin November 1, 2001. CSU Channel Islands is an Equal Opportunity/Title IX Employer. POSITIONS OPEN



UNIVERSITY OF MASSACHUSETTS AMHERST

The Department of Biochemistry and Molecular Biology expects to fill several faculty positions in the next three to four years in areas at the interface of biology and chemistry. We now invite applications for up to two positions in structural biology to begin September 2002. While we expect to hire at the **AS-SISTANT PROFESSOR** level, applications from more senior Scientists will be considered for appointment at the Associate or Full Professor level. Individuals working in areas that complement existing campus strengths in biological chemistry such as signal transduction, protein trafficking/folding, organelle biogenesis, structure-function of membrane proteins, and protein-nucleic acid interactions are particularly encouraged to apply.

We seek individuals with a record of significant accomplishment in research and creative scholarship. The successful candidates will have access to graduate students from several interdisciplinary graduate programs and will be expected to participate in teaching at the undergraduate and graduate levels.

Applicants should send curriculum vitae, a description of research interests, and three letters of recommendation to: Professor Lila M. Gierasch, Head, Department of Biochemistry and Molecular Bilogy, LGRT 913, University of Massachusetts, Amherst, MA 01003-4505. Review of applications will begin on October 31, 2001, and continue until the position is filled.

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

DEPARTMENT OF BIOLOGICAL SCIENCES Bowling Green State University

The Department of Biological Sciences at Bowling Green State University (website: http://www.bgsu. edu/departments/biology) invites applications for three tenure-track ASSISTANT PROFESSOR positions beginning August 2002. All candidates will be expected to develop a vigorous, externally funded research program; advise Ph.D. and M.S. students; and teach undergraduate and graduate courses. A Ph.D. and postdoctoral experience in an appropriate field are required.

CONSERVATION BIOLOGIST: The successful candidate will complement a growing program in ecology and conservation biology. We especially encourage applications from candidates with research experience in field studies or modeling at the community, ecosystems, or landscape levels. Search Committee Chair: **Dr. Rex Lowe**.

MICROBIAL PHYSIOLOGIST: The successful candidate will complement a growing program in biomolecular sciences. A strong publication record and excellent communication skills are required. Research areas should be in microbial physiology and genetics and structure/function and assembly of macromolecules, gene regulation, or related areas. Search Committee Chair: Dr. Nara Gavini.

PROTEIN BIOCHEMIST: The successful candidate will complement a growing program in biomolecular sciences. Expertise should be in any of these areas reflecting department research interests: biochemistry of nitrogen fixation, molecular microbiology, protein-protein interactions, transcription, metalloproteins, bioenergetics, and proteomics. Search Committee Chair: **Dr. George Bullerjahn**.

Send letter of application with curriculum vitae; research and teaching statements; three original and current reference letters; and representative reprints by November 5, 2001, to: Search Chair (names listed above), Department of Biological Sciences, Bowling Green State University, Bowling Green, OH 43402-0212.

Affirmative Action/Equal Opportunity Employer.

TWO FACULTY POSITIONS Plant Systematics and Biology Education

The Department of Biology at New Mexico State University invites applications for two tenure-track positions. Candidates for the ASSISTANT PRO-FESSOR (Requisition Number 20023824) position in plant systematics should have a Ph.D. and postdoctoral experience, research productivity commensurate with experience, and a commitment to teaching and mentoring undergraduate and graduate students. Applicants who integrate classical and modern approaches to plant systematics and whose research involves the systematics, evolution, conservation, or morphology of plants are especially encouraged to apply. The successful candidate will be expected to develop an independent research program, to teach courses in plant systematics and botany, and to participate in the Department's general biology curriculum and to curate the NMSU herbarium. Candidates for the ASSIST-ANT or ASSOCIATE PROFESSOR (Requisition Number 20022661) position in biology education should have a Ph.D. in biology or biology education, postdoctoral experience, prior teaching experience, and research productivity commensurate with experience ence. We seek an individual trained in biology with a demonstrated commitment to education and with research interests in creative curriculum design, innovative teaching methods and materials, community outreach, or other aspects of science education. The successful candidate will be expected to develop an independent research program, teach undergraduate and graduate courses, and assist the Department in seeking external funding in support of educational initiatives.

The Department offers degrees from Bachelor's to the Ph.D. and opportunities exist to participate in NIH- and NSF-supported research and student training programs (e.g., MBRS-RISE, SCORE, the Jornada Basin LTER program). More information about the Department is available at website: http:// www.cs.nmsu.edu/~biology/. Applicants should submit the following nonreturn-

Applicants should submit the following nonreturnable materials (we will not accept e-mail attachments of applications or letters of reference): curriculm vitae, statements of research and of teaching interests, and three letters of reference to:

Chair, Plant Systematist (or) Biology Educator Search Committee Department of Biology, MSC 3AF Box 30001, New Mexico State University Las Cruces, NM 88003-8001 Telephone: 505-646-3611 FAX: 505-646-5665

Review of applications will begin September 28, 2001. NMSU is a Carnegie Doctoral/Research Extensive Institution and an Equal Employment Opportunity/Affirmative Action Employer.

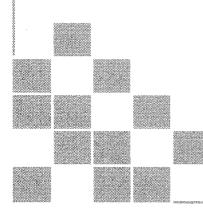
PHYSIOLOGIST: The Department of Exercise Science at The University of Iowa invites applications for a tenure-track faculty position commencing in Au-gust 2002. The position will be filled at the **ASSIST**-ANT PROFESSOR level (beginning or advanced). Applicants must have a Ph.D. or equivalent degree and a strong potential to attract external funding. Postdoctoral training and teaching experience are highly desirable. Applications are invited from candidates investigating areas broadly related to integrative and exercise physiology. Research approaches can range from the cellular to the system level. Duties will include the development of a strong, independent research program and participation in the teaching of undergraduate and graduate courses in the broad areas of integrative and exercise physiology. Review of applications will begin in October 2001 and continue until the position is filled. Submit an application letter, curriculum vitae, selected reprints, a statement of research interests, and the names and contact information of three references to: Dr. Kevin C. Kregel, Department of Exercise Science, 532 FH, The University of Iowa, Iowa City, IA 52242. The University of Iowa is an Affirmative Action/Equal Opportunity Employer. Minorities and women are especially encouraged to apply.

U NOVARTIS

Novartis Pharma Development, Basel, Switzerland offers a

Post-doctoral position in Laser Capture Microdissection and Angiogenesis

Novartis is a world leader in healthcare with core businesses in pharmaceuticals, consumer health, generics, eye-care and animal health.



As part of the Oncology Research Department, we are offering a position for a qualified and highly motivated cell and molecular biologist with a strong background in angiogenesis and Laser Capture Microdissection (LCM). Interest and/or experience in the area of angiogenesis would be of advantage. The Department offers a complete, state-of-the-art infrastructure, with all technologies and required reagents available internally to pursue the project.

For this challenging job in a highly competitive field, we are looking for a skilled person with a strong background in angiogenesis, molecular biology as well as hands on experience with LCM .

We are offering this position with a competitive salary for 18 to 36 months, in a stimulating interdisciplinary environment of molecular biology, biochemistry, structural biology and drug discovery, together with excellent connections to leading academic institutions.

Applications with full CV and references should be sent to:

Novartis Pharma AG Human Resources, Mr. René Zbinden, Ref. 1644 CH-4002 Basel, Switzerland

E-mail: rene.zbinden@pharma.novartis.com

FACULTY POSITIONS Cellular and Molecular Pharmacology

The Department of Pharmacology at the Robert Wood Johnson Medical School -University of Medicine & Dentistry of New Jersey, invites applications for tenure-track positions at the level of Assistant Professor. These positions offer competitive salaries and start-up packages. Exceptional candidates at more senior levels with strong research programs will also be considered. Preference will be given to candidates whose research involves chemical and/or molecular approaches to important problems in biology and medicine. Candidates will be expected to teach graduate and medical students. Current research interests of the Department of Pharmacology can be accessed at http://www2.umdnj.edu/~pharm/pharmdep.htm.

Robert Wood Johnson Medical School (RWJMS) is on the science campus of Rutgers University in semi-rural Piscataway, approximately an hour from New York City and Philadelphia. RWJMS is adjacent to the Center for Advanced Biotechnology and Medicine and the Waksman Institute of Microbiology. The Pharmacology Department also has strong ties to the Cancer Institute of New Jersey (CINJ) across the river in New Brunswick. There are more than 200 active research groups on our campus, and many of the world's major pharmaceutical companies are nearby.

Applicants should submit their curriculum vitae, future research plans, reprints or preprints of no more than three significant publications, and three letters of recommendation to: Dr. N. Ronald Morris, c/o Brenda Dunlop, Chair of the Search Committee, Department of Pharmacology, Robert Wood Johnson Medical School - UMDNJ, 675 Hoes Lane, Piscataway, NJ 08854. UMDNJ, is an Affirmative Action/Equal Opportunity Employer, M/F/D/V, and a member of the University Health System of New Jersey. Regrettably we can respond only to those candidates chosen for an interview.



Visit our website at: http://www.umdnj.edu/hrweb/

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

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

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

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

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

NIH is an Equal Opportunity Employer.

THREE ASSISTANT/ASSOCIATE PROFESSORS Molecular Biosciences

The Department of Molecular Biosciences at the University of Kansas will recruit extensively over the next five years. We invite applications for three tenuretrack positions in three research areas at the ASSIST-ANT and/or ASSOCIATE PROFESSOR levels to begin fall 2002. Candidates must have postdoctoral experience, demonstrated excellence in research, and be committed to quality undergraduate and graduate education. Applicants at the Associate Professor level must have external funding. New faculty will have the opportunity to collaborate with faculty in the many interdisciplinary programs within the Department and University.

(1) Biochemist/Structural Biologist: Research interests should be in the area of macromolecular structure and function, e.g., dynamics and structure of membrane proteins/receptors, nucleic acid binding proteins, or protein-protein inteactions. Required: Ph.D. (or equivalent degree) in biochemistry/biophysics or a related field. Contact person: Dr. Mark Richter; e-mail: markl@ku.edu; Telephone: 785-864-3334.

(2) Microbiologist: Research interests should focus on the study of host-pathogen interactions including viral, prokaryotic, and eukaryotic pathogens. Required: Ph.D. (or equivalent degree) in microbiology or a related field. Contact person: **Dr. Bill Picking;** e-mail: picking@ku.edu; Telephone: 785-864-3299.

(3) Molecular/Cellular/Developmental Biologist: Research interests include but are not limited to molecular mechanisms that regulate cell polarity, cellular trafficking, cytoskeletal dynamics during development, and signaling in cell migration and differentiation. Required: Ph.D. (or equivalent degree) in cell or molecular biology or a related field. Contact person: Dr. Erik Lundquist; e-mail: erikl@ku.edu; Telephone: 785-864-5853.

Application materials should be sent to the appropriate contact person at: Department of Molecular Biosciences, 2034 Haworth Hall, University of Kansas, 1200 Sunnyside Avenue, Lawrence, KS 66045-7534, and include a letter of application, a statement of research interests, a statement of teaching interests and philosophy, and curriculum vitae. Applicants should also arrange to have three letters of reference sent to the appropriate contact person. Detailed position announcements can be obtained from the Department's website: (http://www.ukans. edu/~mb/bcmb.html) or from the contact person. Review of applications will begin October 25, 2001. Positions are contingent upon budgetary approval. Equal Opportunity/Affirmative Action Employer.

EXTRACELLULAR MATRIX RESEARCH GROUP Louisiana State University Health Science Center, Shreveport

The Extracellular Matrix research group within the Department of Pathology is seeking applicants for two tenure/tenure-track appointments at the **ASSO-CIATE/ASSISTANT PROFESSOR** level. This position is open to individuals having either M.D., Ph.D., or M.D./Ph.D. degrees. Those applying at the Associate Professor level must have a record of research excellence and current grant funding. The Center is seeking expertise in one of the following areas: cell adhesion and signaling, cell/molecular biology of extracellular matrix molecules and matrix metalloproteinases, angiogenesis, modulation of growth factor activity or gene expression by matrix molecules, and/or vascular wall pathology.

Applicants should submit curriculum vitae; list of at least three references; and a brief description of research interests and direction by November 1, 2001, to: Guillermo A. Herrera, M.D., Professor and Chairman, Department of Pathology, LSU Medical Center in Shreveport, P.O. Box 33932, Shreveport, LA 71130. LSUHSC is an Affirmative Action Employer.

POSITIONS OPEN

Faculty positions in chemistry. The Department of Chemistry at Washington University in St. Louis invites applications for two tenure-track faculty positions at the **ASSISTANT PROFESSOR** level to begin in fall 2002. The positions are in the areas of theoretical chemistry, experimental physical chemistry, or solution-state NMR spectroscopy. The positions will require the development or maintenance of an outstanding research program and the teaching of core chemistry courses at the undergraduate and graduate levels. Candidates should receive their Ph.D.s by the appointment date. The application should consist of curriculum vitae and a concise research proposal or proposals. These documents are to be submitted in electronic form as PDF (portable document format) files to **e-mail: search@ wuchem.wustl.edu**. Applicants should also arrange for three letters of reference to be sent to **e-mail: search@wuchem.wustl.edu** with signed originals sent to:

> Faculty Search Committee Department of Chemistry Campus Box 1134 Washington University One Brookings Drive St. Louis, MO 63130-4899 FAX: 314-935-4481

Completed applications must be received by 1 November 2001 to ensure inclusion in the initial review. However, late applications will be accepted until the positions are filled. In addition to the current search for Assistant Professors, the Department of Chemistry is always prepared to consider applications from outstanding candidates for senior-level positions in any field of chemistry, and no application format is specified. Washington University is an Equal Opportunity/Affirmative Action Employer. Individuals from underrepresented groups are especially encouraged to apply.

The Biomedical Engineering Program in the Purdue School of Engineering and Technology, on the Indiana University Purdue University Indianapolis campus (IUPUI), is seeking qualified individuals for tenure-track positions at the ASSISTANT/ASSO-CIATE PROFESSOR level in the area of biomaterials and/or biomechanics. The candidates must have a Ph.D. in engineering or a related discipline and research expertise in one of the following areas: polymeric biomaterials, musculoskeletal biomechanics, biofluids, tissue engineering, or cellular/molecular biomechanics. Successful candidates will be expected to teach courses in biomaterials and/or biomechanics for the Purdue Biomedical Engineering Program (website: http://www.engr.iupui.edu/bme/) and establish a state-of-the-art research program in collaboration with the Department of Orthopaedic Surgery within the Indiana University School of Medicine. Qualified candidates may be offered joint appointments in both engineering and orthopaedics. The desired start date is August 15, 2002. All applications received before December 31, 2001, will receive full consideration, although applications will be accepted until the position is filled. Send curriculum vitae along with a statement of professional accomplishments, academic and research goals, and a list of at least three references to: Dr. Charles H. Turner, Chair of the Search and Screen Committee, Biomedical Engineering, 541 Clinical Drive, Room 600, Indianapolis, IN 46202. IUPUI is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.

POSTDOCTORAL POSITION NYU SCHOOL OF MEDICINE

A position is available to study various strategies to target replicating adenoviral vectors to cancer cells. Experience in molecular biology and virology would be helpful. Please send curriculum vitae to:

John G. Hay, M.D. Division of Pulmonary and Critical Care Medicine NYU School of Medicine 550 First Avenue, NB 7N-24 New York, NY 10016 E-mail: john.hay@med.nyu.edu

POSITIONS OPEN

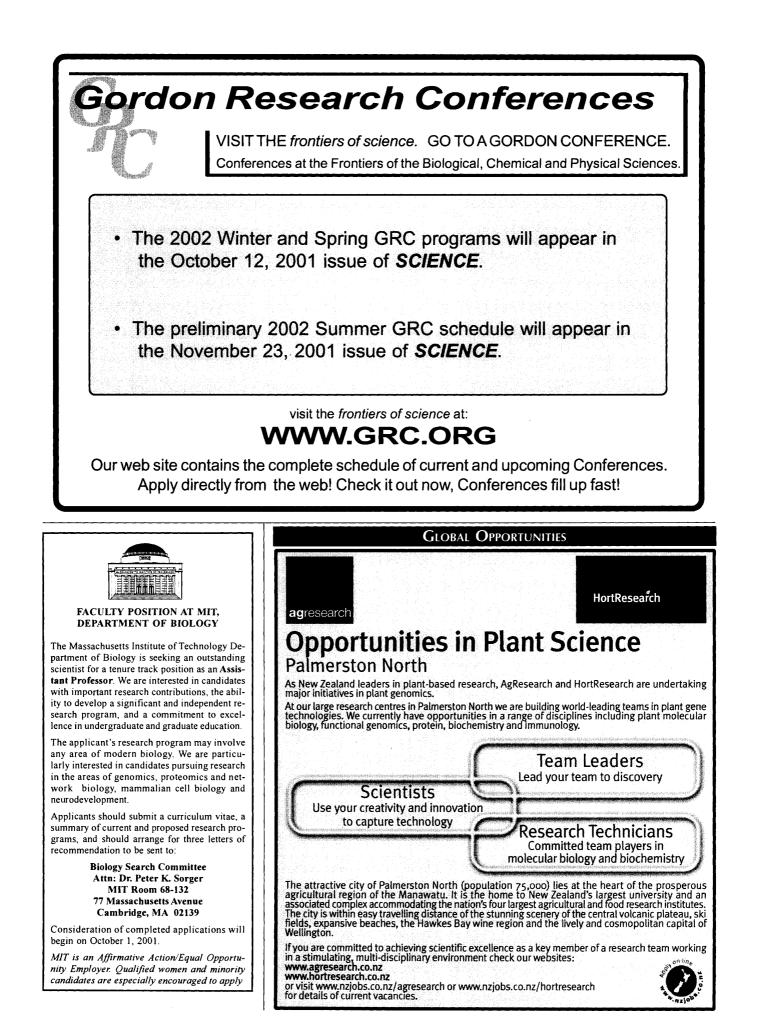
The University of Wisconsin–Madison Department of Psychology anticipates making two new appointments at the ASSISTANT or ASSOCIATE PRO-FESSOR levels beginning in August 2002. We seek applicants in (1) any area of behavioral neuroscience that complements existing strengths (any animal model will be considered); and (2) any area of cognitive science and/or cognitive neuroscience. Integrative approaches are particularly welcome. We encourage applicants with interests in high-level vision, memory, attention, and/or categorization. See our website: http://psych.wisc.edu for information about relevant programs and resources including the Harlow Primate Laboratory, the Genome Center of Wisconsin, the Biotechnology Center, and the Wisconsin Regional Primate Center.

Applications will be accepted until November 26, 2001. Candidates should submit a letter of application, curriculum vitae, three letters of recommendation, and selected reprints to: Chair of either the Behavioral Neuroscience or Cognitive Science Search Committee, Department of Psychology, University of Wisconsin-Madison, 1202 West Johnson Street, Madison, WI 53706-1696. The University of Wisconsin-Madison is an Equal Opportunity/ Affirmative Action Employer and especially encourages women and minorities to apply. Unless confidentiality is requested information regarding applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

ANALYTICAL BIOCHEMIST

The California State University, Hayward, Department of Chemistry and Biochemistry, invites applications for a tenure-track biochemistry position for the 2002-2003 academic year. The preferred candidate will have a strong commitment to teaching and experience in the use of modern analytical techniques. Teaching responsibilities include undergraduate courses in chemistry and biochemistry including instrumental analysis and graduate courses in biochemistry. The successful candidate is expected to establish an externally funded research program appropriate for undergraduate and M.S. students. A Ph.D. degree is required; postdoctoral research and teaching experience are desirable. Applications including a cover letter, curriculum vitae, brief statement of teaching philosophy and research plans, and three letters of recommendation should be sent to: Dr. Richard Luibrand, Chair, Department of Chemistry and ward, CA 94542. Refer to Position Number 01-02 CHEM-BIOCHEM/INSTR-TT. Review of the applications will begin December 1, 2001, and will continue until the position is filled. CSUH is an Equal Opportunity/Affirmative Action Employer and does not discriminate on the basis of age, race, color, national origin, sex, sexual orientation, or disability.

The University of California, San Diego, Department of Chemistry and Biochemistry, invites applications for a faculty position in bioinformatics with a strong preference for the ASSISTANT PROFES-SOR level. Candidates must have a demonstrated ability for creative research and teaching at the undergraduate and graduate levels. Successful candidates will be individuals who develop new approaches to understanding the flow of information in living things and who apply bioinformatic thinking to fundamental questions of biomolecular structure, function, and evolution. Salary commensurate with qualifications and based on University of California pay scale. Candidates should send curriculum vitae, list of publications, reprints of up to five representative papers, and a summary of research plans to: Chair, Bioinformat-ics Search Committee 3-918S, University of California, San Diego, Department of Chemistry and Biochemistry, 9500 Gilman Drive 0332, La Jolla, CA 92093-0332. Candidates should also arrange to have three letters of reference sent under separate cover. The deadline for applications is October 15, 2001, but until positions are filled, all applications received will be assured full consideration. UCSD is an Equal Opportunity / Affirmative Action Employer with a strong institutional commitment to the achievement of diversity among its faculty and staff.



FACULTY POSITION PLANT MOLECULAR BIOLOGY Department of Biology University of Central Florida

The Department of Biology invites applications for a broadly trained Plant Biologist to fill a tenure-track ASSISTANT PROFESSOR position. Candidates must have a Ph.D. in an appropriate discipline and postdoctoral experience. Specific research area is open, but the search will focus on candidates who are using modern molecular approaches to address cellular, developmental, ecological, evolutionary, or physiological questions in plant biology. The successful candidate will develop a nationally competitive research program supported by extramural funds and participate in training of Master's and Doctoral students. Teaching responsibilities will include a graduate course in area of specialty and an upper-level undergraduate course in plant physiology. Pending funding, the position will include a competitive salary and start-up package as well as laboratory space in our new research facility. The University of Central Florida offers a virbrant research and teaching environment and an excellent benefits package. All applicants should submit curriculum vitae, statements of research plans and teaching philosophy and experience, and names of three references. Application materials should be sent to: John F. Weishampel, Plant Mo-lecular Biology Search Committee, Department of Biology, University of Central Florida, 4000 Cen-tral Florida Boulevard, Orlando, FL 32816-2368. Review of applications will begin November 30, 2001. The University of Central Florida is an Equal Opportunity/Affirmative Action Employer. As an agency of the State of Florida, UCF makes all search materials available for public review on request.

FACULTY POSITIONS: virology/bacterial pathogenesis. The Department of Microbiology at the University of Texas Southwestern Medical Center is seeking new faculty (tenure track) at the ASSIST-ANT PROFESSOR level. Faculty will be expected to develop front-rank, competitive, independent re-search programs in their chosen fields and contribute to the teaching of medical and graduate students. For exceptional candidates, an Endowed Scholars Program offers a competitive salary, new laboratory space in an attractive and dynamic research environment. and start-up funds of \$600,000 over a four-year period. Candidates should have a Ph.D. and/or M.D. degree with at least two years of postdoctoral experience and an outstanding publication record. Some preference may be given to virology candidates with interests in STDs (e.g., HSV, HPV) but all outstanding candidates are encouraged to apply. For bacterial pathogenesis, areas of particular interest include STDs, emerging/reemerging pathogens, cellular microbiology, and opportunistic infections. Candidates should forward curriculum vitae, three letters of recommendation, two or three representative publications, and a brief summary of future research to: Dr. Michael V. Norgard, Chairman, Department of Microbiology, U.T. Southwestern Medical Center, 6000 Harry Hines Boulevard, Dallas, TX 75390-9048. FAX: 214-648-5905. U.T. Southwestern is an Equal Opportunity University.

ASSISTANT PROFESSOR

The Department of Human Anatomy and Cell Science, Faculty of Medicine, University of Manitoba, invites applications for a tenure-track position at the Assistant Professor level. Start date is January 1, 2002. Further information including qualifications, areas of research and teaching, and application details are posted on the departmental website: http:// www.umanitoba.ca/faculties/medicine/anatomy. Applications including curriculum vitae and contact in formation for three references should be sent to: Dr. J. A. Thliveris, Professor and Head, Department of Human Anatomy and Cell Science, University of Manitoba, Winnipeg, Manitoba R3E 0W3 Canada. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada.

POSITIONS OPEN

The Department of Pathology at the University of Virginia is recruiting tenure-track research faculty at the ASSISTANT/ASSOCIATE PROFESSOR level. The Department is undergoing significant expansion in research effort including occpation of new research space beginning January 2002. Areas of research emphasis include cancer, signal transduction, and neural and inflammatory degenerative diseases, but outstanding Investigators with any sys-tem relevant to human disease will be considered. Applicants should have Ph.D., M.D./Ph.D., or M.D. degree with laboratory-based postdoctoral experience. Faculty with clinical training in pathology will have the option of developing Clinician-Scientist careers. Faculty will be supported by generous startup packages and salaries and a graduate (Ph.D.granting) training program housed within the Department. The University of Virginia offers the advantage of a major research university in the beautiful and livable community of Charlottesville. The University is located at the foot of the Blue Ridge Mountains in central Virginia, two hours south of Washington, D.C. The Medical School houses world-class Investigators in cancer, signal transduction, and structural biology within a highly collegial and interactive environment. For more information, consult website:http://www.virginia.edu. Applicants should respond with curriculum vitae and the names and contact numbers of three references to: Dennis J. Templeton, M.D., Ph.D., Chairman, Department of Pathology, University of Virginia Health System, P.O. Box 800214, Charlottesville, VA 22908. E-mail: templeton@virginia.edu. Applications will be considered continuously until the positions are filled. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

DEAN Wake Forest University School of Medicine

Wake Forest University School of Medicine invites nominations and applications for the position of Dean. The Dean will lead the medical school and will be responsible for all educational programs and for the institutional research enterprise. The Dean reports to the Senior Vice President for Health Affairs of Wake Forest University. Applicants and nominees must have a M.D. degree and must be certified in a medical specialty. We are seeking a strong leader with excellent academic credentials and demonstrated ability as an effective decision maker. Wake Forest University School of Medicine has 750 full-time faculty members (clinical and basic science). The school will celebrate its centennial in 2002. Applications and nominations will be accepted immediately. Please submit a letter of interest, curriculum vitae, and the names and contact information for three to five references to: Gail Vergara (e-mail: gvergara@ spencerstuart.com) or Ira Isaacson, M.D. (e-mail: iisaacson@spencerstuart.com). Wake Forest University School of Medicine is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

TENURE-TRACK POSITION MICROBIOLOGY

Indiana University School of Medicine, N.W. Center for Medical Education, is seeking applicants for a tenure-track position as ASSISTANT/ASSOCI-ATE PROFESSOR. Successful candidate will participate in teaching, research, and service missions of the Center. Strong commitment to medical student teaching in a problem-based curriculum in microbiology is required. Candidate will be expected to develop and maintain an innovative, externally funded re-search program. Preference will be given to candidates with ability to attract extramural funding and whose research expertise complement ongoing programs. Applicants must have a Ph.D. and/or M.D. or equivalent degree. Send curriculum vitae, description of research, statement of teaching philosophy, and names and contact information of three references to: William Baldwin, Ph.D., Assistant Dean and Director, IU School of Medicine, 3400 Broadway, Gary, IN 46408. Equal Opportunity / Affirmative Action Employer; Minority/Female/Disabled.

POSITIONS OPEN

TERRESTRIAL ECOLOGY BAYLOR UNIVERSITY

Baylor University, a private, comprehensive university of over 13,000 students, seeks a Terrestrial Ecologist for a TENURE-TRACK FACULTY POSITION (rank open) beginning summer 2002. Ph.D. is required. Position responsibilities: Teach a combination of courses from the following: introductory ecology, graduate courses in evolutionary/ population ecology and/or in subdiscipline of exptertise, and introductory biology for majors; establish a research program that uses current methods to examine ecological processes and involves undergraduate and graduate students; participate in departmental and university service activities. Baylor is known for teaching and emphasizes research that involves students. Applications will be accepted un-til the position is filled. To ensure full consideration, your application must be completed by 24 September 2001. A complete application consists of application letter, statements of teaching philosophy and research interests, curriculum vitae, reprints of up to three representative publications, graduate and undergraduate transcripts, and three letters of refer-ence. Send materials to: **Professor Ken Wilkins**, Search Committee Chair, Department of Biology, Baylor University, Waco, TX 76798-7388. Telephone: 254-710-2911; FAX: 254-710-2969; e-mail: ken_wilkins@baylor.edu; website: http://www.baylor.edu/Biology/Home_Page. html. Baylor University is a Baptist university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Employment Opportunity Employer, Baylor encourages minorities, women, veterans, and persons with disabilities to apply.

PLANT ECOLOGIST ASSISTANT PROFESSOR

The Department of Biological Sciences at Mary Washington College is seeking a Plant Ecologist for a tenure-track appointment at the Assistant Professor level. Applicants are required to have a Ph.D. or equivalent terminal degree and must be committed to excellence in teaching. Course responsibilities will include general biology, introduction to ecology, and plant ecology. The area of research interest should complement those of current members of the Department.

Mary Washington College is a liberal arts and sciences college located 50 miles south of Washington, D.C. Interested persons must submit curriculum vitae, transcripts and brief statements of teaching philosophy and research goals, and must arrange to have three letters of reference sent directly to: Rosemary Barra, Department of Biological Sciences, Mary Washington College, 1301 College Avenue, Fredericksburg, VA 22401. Deadline for receipt of applications is October 22, 2001, by 5 p.m. Postmarks will not be honored. Visit our website: http://www. mwc.edu. In a continuing effort to enich its academic environment and provide Equal Educational and Employment Opportunities, Mary Washington College actively encourages women and minorities to apply.

Two faculty positions: The Department of Biomedical Sciences at Marquette University invites applications for two tenure-track positions at the ASSIST-ANT or ASSOCIATE PROFESSOR level for a Pharmacologist and a Molecular Biologist. The departmental research focus is neuroscience, and suc-cessful candidates will be expected to develop an independent, funded research program in an area of neuroscience. Existing strengths in the Department include functional neuroanatomy, stress neurobiolo-gy, mechanisms of cell death, and the neuropsychopharmacology of drug abuse. The pharmacologist will participate in teaching pharmacology courses to professional and undergraduate students. The Molecular Biologist will develop a course on the molecular basis of disease. Send curriculum vitae, description of research interests, and the names of three references to: Search Committee, Department of Biomedical Sciences, Marquette University, P.O. Box 1881, Milwaukee, WI 53201-1881. Affirmative Action/ Equal Opportunity Employer.



MOLECULAR EVOLUTION FACULTY POSITIONS

The Department of Biological Sciences and the Center for Comparative Genomics at the University of Iowa invite applications for two faculty positions in the area of molecular evolution at the Associate

or Assistant Professor level. Successful candidates are expected to have an internationally visible research program that uses molecular approaches to study significant problems in evolution. These problems include, but are not limited to, genome evolution, comparative genomics, population genetics, evolution of regulatory circuits, and evolution of host-pathogen interactions in animals and plants. Under the leadership of a new head, the Department is committed to building an internationally recognized program in comparative genomics and successful candidates will participate in filling additional positions in subsequent years.

Candidates are expected to have an established record of publications in leading scientific journals. The successful candidates will occupy completely renovated research facilities and substantial start-up packages will be provided. Applicants should forward a curriculum vitae, statement of research objectives, description of teaching interests, names of three references and selected reprints or preprints to:

Evolution Search Committee Department of Biological Sciences University of Iowa 138 Biology Bldg Iowa City, Iowa 52242-1324

Applications will be reviewed beginning October 1, 2001, until suitable candidates are identified.

The University of Iowa is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are especially encouraged to apply.

UNIVERSITY OF MINNESOTA Twin Cities Department of Genetics, Cell Biology, and Development Tenure-Track Faculty Positions

The Department of Genetics, Cell Biology, and Development seeks candidates for two new tenure-track positions at the **Assistant** or **Associate Professor** level in the discipline of Cell Biology. The Department serves as a focal point for the University of Minnesota's initiative in Molecular and Cellular Biology and will be housed largely in the new MCB building to be occupied in the summer of 2002. Research strengths in the Department include structure/function of the cytoskeleton, genome manipulation, human and cancer genetics, and developmental genetics of model organisms (including fungi, protists, worms, flies, zebrafish and mice). Candidates working in all areas of Cell Biology will be considered, but specific areas of research expertise sought in Cell Biology include transmembrane signaling, endocytosis and secretion, cell junctions, cell polarity, nucleoplasmic structure and function, and cell growth regulation.

Candidates must have a Ph.D. and/or M.D. degree, at least two years of postdoctoral experience, and a strong publication record. The ability to interact collaboratively among a variety of disciplines will be encouraged and participation in the undergraduate, graduate, and/or professional teaching programs of the Department will be expected. Successful candidates will receive substantial start-up packages and starting salaries commensurate with education and experience. For additional information about the Department, and the University, see http://www.gcd.med.umn.edu.

Please send a curriculum vitae, statement of research interests, and three letters of recommendation that consider both research and teaching potential to: GCD Faculty Search Committee, c/o Mary Muwahid, University of Minnesota, Department of Genetics, Cell Biology, and Development, 6-160 Jackson Hall, 321 Church Street SE, Minneapolis, MN 55455. Review of applications will begin October 15, 2001 and will continue until the positions are filled.

The University of Minnesota is an Equal Opportunity Educator and Employer.

NCAM

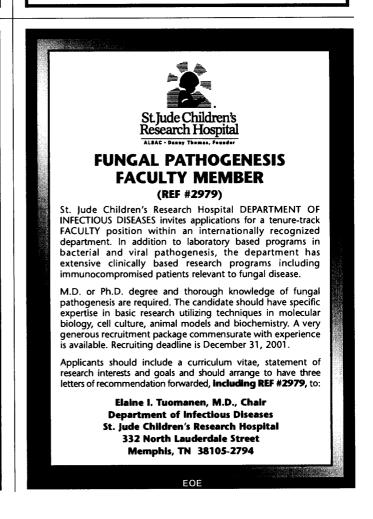
SCIENTIFIC REVIEW ADMINISTRATORS

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

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

National Center for Complementary and Alternative Medicine, NIH ATTN: Mary Weber, Human Resource Office 6707 Democracy Blvd., Suite 200 Bethesda, Maryland 20892 Applications must be postmarked by September 30, 2001.

NIH is an Equal Opportunity Employer





Openings for research on small nucleolar RNAs (snoRNAs) and snoRNPs. Themes include discover-ing the effects of snoRNP-directed nucleotide modification on yeast rRNA function (we've shown pseudoU and Nm modifications are needed for ribosome function), characterizing the roles of proteins involved in snoRNP synthesis and function, and developing snoRNPs as tools for altering RNA activity in vivo for use in biotechnology and medical applications. The last thrust involves use of snoRNAs to carry ribozymes to the nucleolus and targeting nucleotide modifications to novel sites in RNAs that reside in or pass through the nucleolus; excellent success has been obtained with both technologies. See our website: http://www.bio.umass.edu/biochem/fournier/ index.html. Send curriculum vitae and names and contact information for three references to: Dr. Maurille J. Fournier, Department of Biochemistry and Molecular Biology, University of Massachusetts, LGRT, Amherst, MA 01003. E-mail: 4nier@ biochem.umass.edu. The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION CELL/DEVELOPMENTAL BIOLOGY Department of Biology University of Central Florida

The Department of Biology and the Molecular Biology Institute CD3 invite applications for a tenuretrack position at the ASSISTANT or ASSOCIATE PROFESSOR level in any contemporary area of cell or developmental biology. Applicants at the Assistant Professor level must demonstrate outstanding potential to develop a well-funded, extramural research program. Applicants at the Associate Professor level should have established a funded research program. Candidates must have a Ph.D. in an appropriate discipline and postdoctoral experience. The successful candidate for this primarily research position will hold a joint appointment in CD3, hold a tenure-track position in the Department of Biology, and contribute to teaching in the Biomolecular Ph.D. program. The position includes a competitive start-up package and salary with excellent benefits. The University of Central Florida offers a rapidly growing research environ-ment with modern facilities. All applicants should submit curriculum vitae, statement of research plans, and the names of three references to: Dr. David T. Kuhn, Chair Cell/Development Search Committee, Department of Biology, 4000 Central Florida Boulevard, Orlando, FL 32816-2368. Review of applications will begin October 19, 2001, and proceed until the position is filled. The University of Central Florida is an Equal Opportunity/Affirmative Action Employer. Application materials (including transcripts) are public documents available for review upon request.

POSTDOCTORAL POSITION

Available immediately to conduct research on the active site of nucleotide-binding enzymes using sitedirected mutagenesis and affinity labeling. Recent Ph.D. in biochemistry, molecular biology, or biophysics required. Send curriculum vitae and names of three references to: Dr. Roberta F. Colman, Department of Chemistry, University of Delaware, Newark, DE 19716. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL/JUNIOR RESEARCH FACULTY to study projects related to brain aging. Transgenic mice breeding, molecular biology, and lipid/cholesterol biochemistry experience is required. Enjoy the Sun Belt, beautiful beaches, and low cost of living. Apply to: Dr. Miguel Pappolla, University of South Alabama Medical Center Pathology, 2451 Fillingim Street, Mobile, AL 36617. E-mail: Alzheimercenter@yahoo.com. USA is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

THREE FACULTY POSITIONS MICROBIAL SYMBIOSIS University of Wisconsin-Madison

Applicants who take an integrated approach to the study of symbiosis (between plants and microbes, animals and microbes, or among microbes) are in-vited to apply for three full-time tenure-track openings. Suitable candidates must investigate mutualistic associations using the full range of technologies available and must consider each member of the symbiotic association and the interface between them. The focus is primarily on ASSISTANT PROFESSOR-level applicants, although outstanding and appropriate senior candidates will be considered. This is an interdisciplinary initiative with opportunity for a tenure home in one of multiple departments. (For more information, see website: http://www.cals.wisc.edu/symbiosis). Candidates must have a Ph.D. or equivalent and an outstanding research record with high potential for extramural funding. Candidates will be expected to develop an independent, dynamic, and extramurally funded research program and to participate actively in graduate and undergraduate teaching, training, and advising. Send detailed curriculum vitae, statement of current and future research plans, representative reprints, teaching philosophy and relevant experience, and three letters of reference to: Search Committee Co-Chair Heidi Goodrich-Blair, c/o Janis Simons, Dean's Office, Agricultural Hall, 1450 Linden Drive, Madison, WI 53706-1562. E-mail: jsimons@cals.wisc.edu. To ensure full consideration, all materials should be received by November 1, 2001. UW-Madison is an Equal Opportunity and Affirmative Action Employer. Unless confidentiality is requested in writing, information regarding applicants and nominees must be released upon request. Finalists cannot be guaranteed confidentiality.

FACULTY POSITIONS MOLECULAR BIOLOGY

As part of a continuing expansion in the life sciences, Georgia Institute of Technology announces tenure-track faculty positions at the ASSISTANT/AS-SOCIATE level in the School of Biology. We are seeking Molecular Biologists with a record of scientific accomplishment in the areas of gene regulation, signal transduction, cell differentiation, and organization and dynamics of subcellular structures. Biology faculty have the opportunity to interact with strong groups in bioengineering, bioinformatics, and biochemistry. For more information, see website: http://www.biology.gatech.edu. All applicants should send an application letter, curriculum vitae, a summary of research plans, and have three letters of reference sent to: Molecular Biology Search Committee, c/o Susan Longuepee, Institute for Bioengineering and Biosciences, Georgia Institute of Technology, 315 Ferst Drive, Atlanta, GA 30332-0363. Applications will be reviewed beginning October 22, 2001. Georgia Tech is an Equal Education/Employment Opportunity Institution.

RESEARCH MICROBIOLOGIST OR VETERINARY MEDICAL OFFICER (Interdisciplinary)

U.S. Department of Agriculture, Agricultural Research Service, Southeast Poultry Research Laboratory, Athens, Georgia, has a permanent, full-time opening for an interdisciplinary Microbiologist or Veteri-nary Medical Officer, GS-12/13. The Scientist will be part of a multidisciplinary team of Scientists conducting basic and applied research on avian influenza pathobiology, epidemiology, and genomics. Candidates must obtain vacancy announcement for qualification requirements. Salary commensurate with experience (\$51,927 to \$80,279). For application infor-mation, Telephone: 706-546-3029; indicate Announcement Number ARS-X1S-1332. Full text vacancy announcement may be obtained via website: http://www.afm.ars.usda.gov/divisions/hrd/ index.html. Applications must be postmarked by September 30, 2001. USDA is an Equal Opportunity Provider and Employer.

MANAGER TEMPLATE PREPARATION

Genaissance Pharmaceuticals, Inc., has an immediate opening in its New Haven, Connecticut, office for a Manager, Template Preparation.

Directs a production group whose overall responsibility is to produce large numbers of DNA templates for the sequencing group. Designs and tests oligonucleotide primers; produces and prepares DNA templates with the primers and, from the libraries which pass the quality control tests, designs the nested primers to sequence the DNA templates and tests small insert libraries to insure that they pass quality control tests.

Qualified applicants must possess a Ph.D. or its equivalent in molecular biology or a related field and relevant work experience including a demonstrated record of scientific accomplishments by at least five publications; use of molecular biology techniques including DNA isolation, cloning, PCR amplification, library screening, and DNA sequencing; and use of variety of software programs including designing oligonucleotide primers.

Résumé and/or cover letter must reflect each requirement above and specify Reference Code MTP or it will be rejected.

Forward résumé to: Jennifer Barretta, Five Science Park, New Haven, CT 06511. Equal Opportunity Employer; Minorities/Females/ Disabled/Veterans.

NEUROSCIENTIST NEUROLOGICAL SCIENCES INSTITUTE Oregon Health and Science University

The NSI has a new faculty opening for a Neuroscientist at the level of **ASSISTANT**, **ASSOCIATE**, or **SENIOR SCIENTIST**. Preference will be given to applicants with good potential for extramural funding in an area of research that complements current NSI research (website: http://www.ohsu.edu/nsi).

The NSI is a multidisciplinary research center dedicated to advancing our understanding of the brain and neurological disorders. We are part of a university that is strong in basic and clinical neurosciences. We have new research facilities located in OHSU's West Campus adjacent to the Oregon Regional Primate Research Center and the Vaccine and Gene Therapy Institute.

Applicants should submit curriculum vitae, a statement of research interests, and three letters of recommendation to: Search Committee, Neurological Sciences Institute, Oregon Health and Science University, 505 N.W. 185th Avenue, Beaverton, OR 97006-3499. Applications must be received by November 12, 2001.

OHSU is an Equal Opportunity Employer.

HARVARD UNIVERSITY: The Department of Psychology anticipates making two appointments at the ASSISTANT or (untenured) ASSOCIATE PROFESSOR level to begin July 1, 2002. One appointment will be in the area of cognition. We are particularly interested in individuals working in the areas of memory, language, or problem solving and including techniques such as behavioral, neuroimaging, neuropsychological, and/or computational modeling. The other appointment will be in the area of either neuroethology, behavioral neuroscience, or animal cognition. Candidates with strong research and teaching interests in any of these areas are invited to submit curriculum vitae and representative reprints to: Search Committee, Department of Psychology, Harvard University, WJH 230, 33 Kirkland Street, Cambridge, MA 02138. Candidates should also arrange to have at least three letters of recommendation sent to the above address. Closing date for applying is November 30, 2001. Harvard University is an Affirmative Action / Equal Opportunity Employer. Applications from women and members of minority groups are especially welcome.

Faculty Position Center for Allergy, Asthma & Immunology Creighton University School of Medicine

We are seeking an assistant/associate professor level candidate with strong publication record and current extramural funding. The successful candidate should hold a Ph.D. or M.D. with postdoctoral experience in immunology and would be expected to develop an externally funded basic research program with relevance to the immunobiology and immunopharmacology of allergic respiratory diseases. The candidate will participate in training medical and graduate students. Laboratory space and facilities, substantial start up funds and a competitive salary will be provided. Applicants should send curriculum vitae, statement of research interest and intentions, and three letters of reference to:

Thomas B. Casale, M.D. Director of Clinical Research, School of Medicine Professor and Assistant Chair, Department of Medicine Chief of Allergy and Immunology Creighton University School of Medicine 601 No. 30th Street, Suite 5850 Omaha, NE 68131 email: tbcasale@creighton.edu

Creighton University is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. Creighton University is an equal opportunity affirmative action employer.

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Keck Graduate Institute of Applied Life Sciences

Postdoctoral Fellows

The Keck Graduate Institute of Applied Life Sciences is seeking highly creative and motivated postdoctoral research fellows to participate in the following research areas of the faculty members:

- T. Gregory Dewey: Analysis and dynamic modeling of whole-genome expression profiles. Ongoing projects involve the investigation of network properties of gene regulatory and protein-protein interaction maps. Individuals with strong programming and analytic skills are preferred and we are willing to consider people from a variety of disciplinary backgrounds.
- David J. Galas: Development of novel nucleic acid technologies for genotyping and gene expression analysis. Biochemical training is essential, computational and molecular biology training is preferred. Candidate will work closely with geneticists, computational biologists and molecular biologists.
- Brenda Mann: Developing bioactive scaffolds for peripheral nerve regeneration. Applicants must have a Ph.D. with a strong background in bioengineering. Experience in mammalian cell culture and polymer chemistry is preferred.
- Ali Nadim: Candidates with a strong background in experimental microscale fluid dynamics are sought to work with a team of theoretical and computational scientists on applications of microfluidics in biology and medicine; familiarity with interfacial phenomena, electrocapillary effects, and fluid mechanics of drops or bubbles is desirable.
- Angelika Niemz: Model systems for cell surface recognition and transmembrane signaling events. Projects involve synthesis of glycolipids and peptide conjugates, and the study of recognition events at lipid bilayer interfaces. Candidates with expertise in bio-organic chemistry are preferred.
- James Sterling: Capillary and electrokinetic microfluidic processes supporting the engineering of gene expression microarrays and other biomolecular diagnostics. Candidates with experience in particle image velocimetry, microfabrication, and a desire to perform interdisciplinary research in the applied life sciences are preferred.
- Animesh Ray: Analysis of gene regulatory network by whole-genome mRNA expression profile and genetic analysis. Candidates with training in yeast genetics, and/or mRNA micro-array analysis will be preferred. There will be opportunity for close interaction with computational biologists.

KGI is located 35 miles east of Los Angeles, at the foot of the San Gabriel Mountains. Its campus is contiguous with those of the other Claremont Colleges, which together with surrounding educational institutions in Southern California provide a rich intellectual and cultural environment.

Prospective candidates should apply with a cover letter stating interest in a particular laboratory, enclose a CV, and ask for at least two letters of recommendation to be sent to the individual faculty member at: Keck Graduate Institute, 535 Watson Drive, Claremont, CA 91711. Email: job_applications@kgi.edu; FAX 909/607-8086; 909/607-8598; Web site: www.kgi.edu. EOE

Texas A&M University Dean of the College of Science

Texas A&M University invites nominations and applications for the position of Dean of the College of Science. This position will provide administrative and academic leadership to develop the research, teaching and service missions of one of the premier colleges of science in the United States. The Dean's leadership roles include the coordination of College priorities and goals with Department Heads and faculty, supporting faculty development, and fostering quality research and educational programs.

The College of Science is composed of the Departments of Biology, Chemistry, Mathematics, Physics and Statistics. The College also includes the Cyclotron Institute, the Institute for Scientific Computation, the NSF Center for Application of Information Technology in the Teaching and Learning of Science, the Center for Mathematics and Science Education, and the Center for Chemical Characterization and Analysis. The College has over 200 tenured and tenure track faculty, 1,800 undergraduate majors, over 600 graduate students and a total research and teaching budget of \$60 million. Ph.D programs are offered in all departments in basic and interdisciplinary research programs.

Texas A&M University is the fourth largest university in the nation, with over 43,000 students in 10 academic Colleges. It was ranked eleventh nationally in enrollment of new National Merit Scholars for Fall 2000, and is also ranked eleventh in endowments, with a total of more than \$4 billion. In addition, the university is consistently ranked in the top tier of research institutions by the NSF with annual research expenditures in the area of \$400 million. The Dean of Science, as a member of the Council of Deans, will also have opportunities to contribute to the future development of the university as it pursues goals identified in its Vision 2020 report.

The successful candidate will have an outstanding record of achievement in research and teaching and have demonstrable administrative skills and experience. Effective communication with multiple constituencies, a talent for management of complex organizations, and capacity for visionary leadership will be especially important. The Dean will also provide leadership in fundraising and obtaining extramural support.

More information about this position is posted on the web at: www.science.tamu.edu/deansearch.

The Search Advisory Committee will begin to review applications in October 2001, and review will continue until the position is filled. Applicants should submit a letter of interest, one to two page narrative summary of experience, curriculum vitae, and the names and telephone numbers of at least three references. (References will be contacted only after permission is obtained from the candidate). Nominations and applications should be sent in writing to: Dr. David B. Prior, Chair, Dean of Science Search Advisory Committee, Texas A&M University, College of Geosciences, Room 204, O&M Building, College Station, Texas 77843-3148, Phone: (979) 845-3651, Fax: (979) 845-0056, e-mail: dprior@ocean.tamu.edu

Please be advised that under Texas law, names and other information concerning applicants or nominees may be subject to disclosure upon request. Texas A&M University strongly encourages applications from women and members of minority groups and is committed to a diverse campus community through Affirmative Action and Equal Opportunity.

RESEARCH SCIENTIST

Luna Innovations, one of the fastest-growing companies in Virginia, seeks qualified candidates to conduct research and development of advanced chemical and biochemical sensors within a creative and dynamic environment. The candidates will be responsible for actively participating in ongoing research projects, understanding funding opportunities, fostering creative ideas, and promoting teamwork in successful completion of assigned tasks. Some travel and customer interface may be required.

Ideal candidates will have a Ph.D. or M.S. in chemistry, biochemistry, or a related discipline with experience in the fields of analytical, organic, and/or polymer chemistry. More than two years of minimum experience participating in multidisciplinary projects is preferred. Experience within technical areas related to polymer films, immunoassays, bioconjugate techniques, analytical instrumentation, and optical sensing methods is definitely a plus. A demonstrated ability to actively support efforts to secure research and development funding is strongly desired. Excellent communication and written skills are required as is familiarity with GLP.

Successful candidates will be offered excellent compensation, performance-based stock options, and comprehensive benefits including medical, dental, and 401(k) plans.

Luna is headquartered in Blacksburg, Virginia, a vibrant and diverse "small town" city. Located in the heart of the Blue Ridge Mountains, we have an exceptional climate, outstanding recreational activities, affordable housing, and quality education opportunities at all levels.

If interested, please send or e-mail résumé to: Luna Innovations Inc. Attention: Human Resources 2851 Commerce Street Blacksburg, VA 24060 E-mail: engebritsonl@lunainnovations.com Website: http://www.lunainnovations.com Equal Opportunity Employer/Affirmative Action.

RESEARCH SCIENTIST: Ph.D. in chemistry with preferred experience in nucleoside/tide synthesis, molecular modeling, and rational drug design principles for synthesis of nucelosides/tides derivatives. Implies purity and quality control assessments and testing of new compounds on enzymes, isolated cells, and tissues. Salary: \$35,700 to \$45,000 per year plus fringe benefits. Send résumé to: Roger A. Johnson, Physiology and Biophysics, Health Science Center, Stony Brook University/SUNY, Stony Brook, NY 11794-8661. Email: roger.johnson@sunysb.edu. Affirmative Action/Equal Opportunity Employer.

RESEARCH SCIENTIST Two-Photon Microscopy Facility University of North Carolina Neuroscience Center

We are seeking a highly motivated individual with demonstrated expertise in the use of two-photon laser scanning microscope in vital imaging of neural tissues. Apply with curriculum vitae and names of references to: E. Anton, University of North Carolina Neuroscience Center, CB Number 7250, Neurosciences Hospital, Chapel Hill, NC 27599. E-mail: anton@med.unc.edu.

BIOINFORMATICS SPECALIST/MATHE-MATICIAN sought by Torrey Mesa Research Institute in San Diego, California. Must possess a Master's of Science (M.S.) degree in mathematics plus one year of experience in computational mathematics or physics. Respond to: Job Code: BS/AYS, Human Resources Department, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121.

POSITIONS OPEN

ASSISTANT PROFESSOR MARINE ANIMAL PHYSIOLOGIST University of California, Santa Barbara

The Department of Ecology, Evolution, and Marine Biology seeks a Biologist who conducts quantitative, mechanistic studies of marine animal function from an ecological and/or evolutionary perspective. Qualified applicants would be expected to use any combination of molecular, physiological, or biochemical approaches in their research. Areas of study may include but need not be limited to animal-microbial or animal-algal symbioses, marine invertebrate physiology, biomechanics, cardiorespiratory physiology, and/or physiological and biochemical adaptation to the marine environment. The candidate selected shall be expected to establish a vigorous, externally funded research program and contribute to the Department's graduate and undergraduate programs. Undergraduate teaching is expected in the area of physiology as well as in invertebrate zoology or a specialized area of marine biology. Submit curriculum vitae, selected reprints, a brief description of previous and anticipated research, and arrange to have at least three letters of reference sent to: Marine Animal Physiologist Search Committee, Department of Ecology, Evolution, and Marine Biology, University of Califor-nia, Santa Barbara, CA 93106. Review of applications will begin November 15, 2001, and will continue until the position is filled. UCSB is an Equal Opportunity/Affirmative Action Employer.

The University of California, San Diego, Department of Chemistry and Biochemistry, invites applications for faculty positions in biochemistry with strong preference for the ASSISTANT PROFESSOR level. Candidates must have a Ph.D. and a demonstrated ability for creative research and teaching at the undergraduate and graduate levels. The Department will consider applicants in all areas of biochemistry, particularly the following: structure of supramolecular ma-chines, proteomics/mass spectroscopy, molecular evolution/protein design, signaling at membranes, functional genomics, carbohydrate biochemistry, cell signaling in stress responses, and quantitative analysis and modeling of complex molecular ensembles. Salary commensurate with qualifications and based on University of California pay scale. Candidates should send curriculum vitae, list of publications, reprints of up to five representative papers, and a summary of research plans to: Chair, Biochemistry Search Committee 3-919S, University of California, San Diego, Department of Chemistry and Biochemistry, La Jolla, CA 92093-0332. Candidates should also arrange to have three letters of reference sent under separate cover. The deadline for applications is October 15, 2001, but until positions are filled, all applications received will be assured full consideration. UCSD is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to the achievement of diversity among its faculty and staff.

ASSISTANT PROFESSOR OF BIOCHEMISTRY University of Washington

The Department of Biochemistry at the University of Washington School of Medicine invites applications for a tenure-track position at the Assistant Professor level. We seek creative Scientists who have strong research credentials and who plan to focus on molecular or structural aspects of important biological problems. Applicants should have a Ph.D. or the equivalent in biochemistry, structural or molecular biology, chemistry, or a related field, or an M.D. The successful candidate will be expected to participate in interdisciplinary graduate training programs and undergraduate teaching. Applicants should submit curriculum vitae; a description of future research directions; selected reprints and preprints; and three letters of recommendation (to be forwarded separately) by November 15, 2001, to: Alan Weiner, Chair, Department of Biochemistry, University of Wash-ington, Seattle, WA 98195-7350. Telephone: 206-543-1768; FAX: 206-685-9231. The University of Washington is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN



ASSOCIATE SCIENTIST/ SENIOR RESEARCH ASSISTANT

AtheroGenics, Inc., a biopharmaceutical company engaged in the discovery and development of pharmaceutical-based therapies for the treatment and diagnosis of chronic inflammatory diseases, is seeking a highly motivated individual for a laboratory research position in the Screening Group within Discovery Research. Candidates must have a B.S./M.S. in biology (or a related discipline) and several years of experience in mammalian cell culture, ELISA, protein purification, kinase assays, and transcriptional assays. Pharmaceutical industry experience preferred. A strong capacity for self-motivation, excellent communication skills, and the ability to interact successfully in a cooperative team environment are required. AtheroGenics offers an innovative and exciting scientific environment with competitive salaries and generous benefits package. To apply, FAX or send résumé to: AtheroGenics, Inc., Human Resources, Job Code: KS-2; 8995 Westside Parkway, Alpharetta, GA 30004. FAX: 678-336-4359. For more details, see our website: http://www.atherogenics.com. No telephone calls, please. Equal Opportunity Employer.

ASSISTANT/ASSOCIATE PROFESSOR Nutrition and Gene Interactions The University of North Carolina at Greensboro

The graduate program in nutrition at The University of North Carolina at Greensboro (website: http://www.uncg.edu/nfs) invites applications for a tenure-track position to begin August 1, 2002. Ph.D. and appropriate postdoctoral experience are required. Preference will be given to candidates studying the mechanisms by which nutrients regulate gene expression and developmental processes or the impact of genetic factors on nutrient metabolism.

Successful candidates will be expected to establish an externally funded research program and to participate in the teaching of the undergraduate and graduate curriculum. Modern, well-equipped laboratories, competitive salary, and start-up packages are available.

Submit a letter of application describing research and teaching qualifications and goals; curriculum vitae; and the names, telephone numbers, and e-mail addresses of at least three qualified references to:

> Michael McIntosh, Ph.D., R.D. Department of Nutrition and Foodservice Systems P.O. Box 26170 UNCG Greensboro, NC 27402-6170

Review of the applications will begin in early November and continues until the position is filled. The University of North Carolina at Greensboro is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

ASSISTANT PROJECT NEUROSCIENTIST. The Department of Neurosciences at the University of California, San Diego, has an academic position available immediately for a qualified Ph.D. or M.D. in pharmacological therapy of experimental stroke. Will perform studies using animal models of stroke to investigate new therapeutics and mechanisms of injury. Background in pharmacology and ability to perform animal surgery required. Knowledge of histology, statistics, and behavioral testing is desirable. Salary based on University of California pay scale. Send curriculum vitae, statement of research interests, and names of three references to: Justin A. Zivin, M.D., Ph.D., UCSD School of Medicine, Department of Neurosciences, 9500 Gilman Drive, La Jolla, CA 92093-0624. E-mail: lalford@ucsd.edu. Applications will be accepted until position is filled. Affirmative Action/Equal Opportunity Employer.



University of New Mexico DEAN College of Pharmacy

The University of New Mexico (UNM) invites applications and nominations for the position of Dean of the College of Pharmacy. The Dean serves as the chief administrative officer of the College, reports to the VP for Health Sciences and provides leadership for the College in the areas of instruction, research, scholarship, and service to the community and profession. Responsibilities of the position also include but are not limited to providing leadership in resource development, strategic planning, program development, faculty recruitment and retention and interactions with the practice community. The successful candidate must have a proven record of accomplishments in teaching and scholarly endeavors; be able to work collegially and effectively with faculty and multiple constituencies within the University and pharmacy practice community; and an appreciation of the key role of faculty governance within the College.

The College of Pharmacy is one of three schools (Pharmacy, Nursing and Medicine) and five hospitals comprising the University of New Mexico Health Sciences Center. The College maintains an enrollment of 320 students in a 4 year, entry level Pharm.D. program. The College also offers M.S. and Ph.D. degrees in Pharmacy Administration and Toxicology and an M.S. degree in Radiopharmacy. In addition the New Mexico Poison and Drug Information Center is administered and staffed under the auspices of the College.

MINIMUM QUALIFICATIONS:

- Academic credentials or equivalent experience that would qualify for an appointment as full Professor in the College of Pharmacy
- Earned doctoral level degree (Ph.D., Pharm.D., or equivalent) in the pharmaceutical sciences or closely related health sciences or biomedical discipline
- Three years leadership experience working with academic, research and/or pharmacy practice communities

Position is available beginning July 1, 2002. For best consideration all application materials must be received by Dec.1, 2001, however the position will remain open until filled. *EEO/AA*.

For complete information regarding this position please visit http:// www.unm.edu or http://hsc.unm.edu/hr/

Genetic Basis of Behavior Tenure Track Investigator National Institutes of Health Bethesda, MD

The National Institute of Mental Health Intramural Research Program invites applications for a tenure track investigator position emphasizing the genetic basis of behavior. The successful candidates should have a strong research interest in the study of animal models of neuropsychiatric disorders. Experience in making and evaluating transgenic and knockout animals is desirable. Applicants must have an M.D. and/or Ph.D. with significant scientific achievement as an independent investigator. This position includes an attractive start-up package and operating budget in an exciting multidisciplinary research environment. Applicants should send a curriculum vitae, statement of research interests, and have three letters of recommendation sent by November 7, 2001 to: Dr. Dennis S. Charney, Chair, Search Committee for Genes and Behavior Investigators, NIH, Building 10, Room 3N-210, 9000 Rockville Pike, Bethesda, MD 20892-1381.



The National Institutes of Health is an equal opportunity employer

Faculty Position in Evolution Department of Biological Sciences

The Department of Biological Sciences at **Dartmouth** seeks applicants for a tenure track position at the Assistant Professor level for individuals studying the evolution of cellular, developmental and/or genomic processes in animal systems at the molecular level. The successful candidate will be expected to supervise an independent research program that will attract extramural funding and provide research training for graduate and undergraduate students. The candidate will join a growing group of faculty whose interests span evolutionary biology. Candidates should expect to participate in teaching at the undergraduate and graduate levels. Send a current curriculum vitae, statements of research and teaching interests, a list of referees (including FAX numbers and e-mail addresses), and arrange to have at least three letters of reference sent under separate cover to:

Evolution Search Committee Department of Biological Sciences Dartmouth College Hanover, NH 03755-3576

Although materials can be submitted by FAX (603-646-1347), note that the original documents are ultimately required. Application review will begin on October 30, 2001 and continue until the position is filled. For further information about the department and its graduate programs, see http:// www.dartmouth.edu/~biology/.

Women and members of minority groups are encouraged to apply. Dartmouth College is an Equal Opportunity/ Affirmative Action Employer.

IMMUNOLOGY FACULTY POSITIONS

Roswell Park Cancer Institute

Continuing the expansion of its Immunology Program, the Department of Immunology invites applications for three tenure-track positions at the Assistant, Associate and Full Professor level. The research program in the department focuses on the molecular mechanisms underlying the development of effective anti-tumor immunity. The program has been enhanced during the past year by the recruitment to the department of 3 Assistant Professors with expertise in (a) molecular mechanisms of MHC class I antigen presentation; (b) T cell tolerance and immunity against tumor antigens in vivo and (c) adaptor protein mediated signaling in haematopoietic cells.

Candidates are sought who are pursuing the molecular mechanisms of immunity. Specific research areas would include, but are not limited to, T cell activation, NK cell biology, cytokines, and vaccine development. Selection will be based on excellence in research and potential to maintain an outstanding independent research program. We encourage applicants who desire an environment that fosters interaction with a diverse group of scientists and clinicians both within



New York at Buffalo. The Institute offers excellent laboratory space, flow cytometry, confocal and electron microscopy, biopolymer, microarray and animal facilities.

Applicants should send curriculum vitae, description of research accomplishments and future objectives and the names and addresses of three references to: Yasmin Thanavala, Ph.D., Search Committee Chair, Department of Immunology, Roswell Park Cancer Institute, Elm & Carlton Streets, Buffalo, NY 14263.

> RPCI is a M/F/D/V Affirmative Action Employer

RESEARCH SCIENTIST POSITION Goddard Earth Sciences and Technology (GEST) Center

Subject to funding approval, the Goddard Earth Sciences and Technology Center (GEST) will make a Research Faculty appointment (open rank) for the following position. GEST is a cooperative agreement between the University of Maryland, Baltimore County (UMBC), and the NASA Goddard Space Flight Center (GSFC) to collaborate in research programs in the Earth, information, and instrumentation sciences. GEST is a consortium whose members include UMBC, Hampton University, Howard University, and Caelum Research Corporation. Positions may be based at any of the consortium members.

GEST 915-19-133. Research activity: scientific instrument development for *in situ* chemical and isotopic composition measurements in planetary environments. Development of mass spectrometer and gas chromatograph mass spectrometer systems for *in situ* chemical and isotopic abundance determination of planetary atmospheres, surfaces, and subsurface materials. The instruments to be developed will be minaturized, designed, and fabricated to meet space qualification standards. The incumbent will also participate in the design of long-lived planetary probe missions. The work will be performed in collaboration with Scientists and Engineers at the NASA/Goddard Space Flight Center using existing facilities.

Requires Ph.D. in physics or chemistry with emphasis on experimental research in chemical composition measurements. Candidate should have demonstrated experience in technologies associated with mass spectroscopy, instrument miniaturization, and electronics for control and data handling. Applicants should identify this position by num-

Applicants should identify this position by number on a cover letter that includes home address and visa status (if any) and submit it together with complete curriculum vitae including the names, addresses, and telephone numbers of three references to: L. Anathea Brooks, GEST, 3.002 Technology Center, University of Maryland, Baltimore County, 1000 Hilltop Circle, Baltimore, MD 21250. Applications will be accepted until the position is filled. UMBS is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOW/RESEARCH ASSISTANT

To study the genetics of brain tumors and neuroimmunology using molecular techniques that include microarray profiling, cell capture, and molecular amplification. The laboratory is funded by the National Cancer Institute. Salary is based on NIH scale. Please send curriculum vitae and a list of three references to: Hassan Fathallah-Shaykh, M.D., Rush University Medical Center Department of Neurological Sciences, 2242 West Harrison Street, Suite 200, Chicago, IL 60612. E-mail: hfathall@rush.edu.

RESEARCH SCIENTIST Proteomics and Signaling

Available to apply proteomics to analysis of GPCR signaling complexes. Ph.D., Sc.D., M.D. and strong experience in MALDI, protein chemistry, GPCR signaling. Minimum of three years of postdoctoral training required. E-mail Craig C. Malbon, Stony Brook University, New York (e-mail: craig@ pharm.sunysb.edu) with letter of interest, references, and curriculum vitae. Affirmative Action/Equal Opportunity Employer.

MacroGenics, Inc., a biotechnology company focused on therapeutic antibody development, is recruiting **SCIENTISTS** in Rockville, Maryland, and Seattle, Washington. Looking for experience in molecular biology, proteomics, protein engineering, monoclonal antibodies, antibody humanization, or animal modeling of cancer. For details, please visit our website: http://www.macrogenics.com.

E-mail résumés to: hresources@macrogenics. com. MacroGenics, Inc., is an Equal Opportunity Employer. Current work authorization to accept employment in the United States is required.





SUPERVISORY RESEARCH CHEMIST or RESEARCH MOLECULAR BIOLOGIST/MICROBIOLOGIST

POSITIONS OPEN

The Mycotoxin Research Unit at the U.S. Department of Agriculture, Agricultural Research Service, Peoria, Illinois, has a Research Leader (RL) position available immediately. The mission of the Mycotoxin Research Unit is to reduce the impact of mycotoxins on U.S. agriculture by discovering how plants and fungi interact during infection and toxin production and how fungi are resistant to the toxins they produce. The RL manages a group of 14 Scientists and a total staff of 30 conducting research on a broad range of topics concerning fungal metabolites that affect the quality and safety of agricultural commodities. In addition to managing the resources of the unit, the Research Leader is responsible for hiring personnel. The successful candidate will direct team research on fungal metabolism, fungal genomics, mycotoxin biosynthesis, chemistry and analytical methods of mycotoxins, plant fungal interactions, and plant disease and will conduct personal research in one or more of these areas. The position requires knowledge of mycotoxins, fungal genetics, enzymology, analytical chemistry, and the techniques of molecular biology as well as skill in leading a research program, establishing research goals and priorities, and managing a diverse research team. Applicants must have a Ph.D. directly related to the position and/or professional research experience. The position is a competitive, permanent appointment GS-14/15 and U.S. citizenship is required. Salary is commensurate with experience (\$72,969 to \$111,581 per annum) plus benefits. For full text of vacancy announcement, which includes application information, call Mike Horn; Telephone: 309-681-6478 or visit the ARS vacancy website: http://www.ars.usda.gov, Announcement Num-ber ARS-X1W-1473. For specific questions regarding this position, contact: Dr. Peter Johnsen, Telephone: 309-681-6541. Applications in response to this ad must be postmarked by October 29, 2001. The USDA/ARS is an Equal Opportunity Provider and Employer.

POSTDOCTORAL POSITIONS available immediately to study the in vivo role of CNTF receptors in the development, protection, and regeneration of the nervous system. The research involves cellspecific, conditional genomic knockouts and viraldirected gene expression in conjunction with stereotaxic surgery, whole cell patch clamp electrophysiology, immunohistochemistry, confocal microscopy, and digital image analysis. Requirements: a background in neuroscience and experience with at least one of the above techniques. Send curriculum vitae and names of references to: Dr. John MacLennan, Department of Molecular and Cellular Physiology, 2231 Albert Sabin Way, Box 670576, University of Cincinnati, Cincinnati, OH 45267. E-mail: john.maclen@uc.edu; website: http:// www.med.uc.edu/physiology/.

DIABETES SCIENTIST (OPEN RANK): The Department of Pediatrics at the University of Kentucky is recruiting a Scientist with an established career in diabetes research. Desirable areas of research focus include islet cell physiology and immunology. The ability to relocate an extramurally funded research project will be highly desirable. The position is also supported by a sizable endowment for diabetes research. There are excellent opportunities for collaboration with UK diabetes and endocrine Investigators. Laboratory space and start-up funds are available. The quality of life in the bluegrass region of Kentucky is outstanding. Interested candidates should contact: Kathryn Thrailkill, Division Head, Pediatric Endocrinology or Vipul Mankad, Chair of Pediatrics, University of Kentucky Medical Center, 800 Rose Street, Lexington, KY 40536.

POSITIONS OPEN

CHEMICAL AND PHYSICAL BIOLOGY Emory University Atanta, Georgia

As the Department of Chemistry continues to build at the interface of chemistry and biology, a tenuretrack faculty appointment is available at the ASSIS-TANT PROFESSOR level beginning fall 2002. We seek candidates with an interest in creative interdisciplinary research and a commitment to quality teaching at both undergraduate and graduate levels. Research laboratories and office space will be in Cherry Logan Emerson Hall, opened winter 2001, providing the successful candidate will ample opportunity to both complement the research interests within chemistry and establish ties between the biological and biomaterials research across our campus. Appointments at the Associate level will be considered and such applications are also encouraged. Please submit a résumé, list of publications, and research plans with estimated start-up costs. Also arrange to have three letters of recommendation sent to: Chair, Faculty Search Committee, Department of Chemistry, 1515 Pierce Drive, Emory University, Atlanta, GA 30322. For more information about the Department, visit the website: http://www.emory.edu/ CHEMISTRY. Application review will begin October 15, 2001. Emory University is an Affirmative Action/ Equal Opportunity Employer and welcomes applications from women and members of minority groups.

POSTDOCTORAL FELLOW

A Postdoctoral Fellow position is available immediately to investigate the molecular and cellular biology aspects of tumor-stromal interaction of prostate cancer. The project is an ambitious one and investigates the identification of signal transduction pathways during cell-cell or cell-ECM interactions as well as apoptosis in prostate cancer. Ph.D. degree with strong training in biochemistry required. Experience in molecular biology (PCR, cloning, mutagenesis, differential display, etc.) is highly desirable. The salary will be commensurate with experience, and the appointment is for two years. Send résumé; brief summary of research experience; and three references (names, telephone numbers, and e-mail addresses) to:

Shahriar Koochekpour, M.D., Ph.D. Stanley S. Scott Cancer Center Louisiana State University Health Sciences Center 533 Bolivar Street Box CSB 4-17 New Orleans, LA 70112

LSUHSC is an Equal Opportunity Employer/Affirmative Action.

POSTDOCTORAL POSITION

Postdoctoral position available at The University of Puerto Rico, School of Medicine, in the laboratory of Adelfa E. Serrano, Ph.D., to study genes associated with drug resistance and their function in *Plasmodium* beghei. The goal of our research is to elucidate molecular mechanisms of drug resistance in malaria. To achieve these goals we use transfection and molecular and cellular techniques in an *in vivo* rodent malaria model. Candidates with a strong background in molecular biology are most appropriate. Openings are limtied to U.S. citizens or noncitizens currently studying in the United States. Send a statement of interest, curriculum vitae, and direct three letters of recommendation to: Dr. Adelfa Serrano, University of Puerto Rico, P.O. Box 305067, San Juan, PR 00936-5067. E-mail: aserrano@rcm.upr.edu. UPR-MSC is an Equal Opportunity Employer.

POSTDOCTORAL POSITION Developmental Immunology

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

MEETINGS

American Epilepsy Society's 55th Annual Meeting to be held in Philadelphia, PA

The American Epilepsy Society is pleased to announce their 55th Annual Meeting and Exhibition to be held in Philadelphia, Pennsylvania at the Philadelphia Marriott Hotel and Pennsylvania Convention Center. The dates of the meeting are November 30 - December 5, 2001.

The AES Annual Meeting is designed for the academic, practicing neurologist, neuroscientist, neurosurgeon, internist, pediatrician, pharmacist, nurse, social worker, and other allied professionals. The Annual Meeting and Exhibition are offered as a forum for communicating and disseminating current findings in the field of epilepsy. It is an excellent opportunity for networking and sharing of ideas.

Over 800 poster and platform presentations, lectures, workshops, satellite symposia, publications, scientific exhibitions and commercial exhibits are offered.

Program details and registration information can be found on the American Epilepsy Society's website at: www.aesnet.org. The preregistration deadline is November 1, 2001. For additional information, you may contact the AES office by phone: (860) 586-7505, fax: (860) 586-7550, or via e-mail at: info@aesnet.org

"Our staff are our future."

Sunnybrook & Women's College Health Sciences Centre, a University of Toronto affiliated teaching hospital, is committed to values of **Excellence**, **Collaboration**, **Accountability**, **Respect and Empowerment**, and the creation of a supportive work environment so that staff are able to deliver high quality, patient-centred care.

Immunologist

Our Research Institute is seeking a Scientist for the newly established focus of Immunology. Located on the Bayview Campus, the Research Institute is fully affiliated with the University of Toronto. The Immunology group resides within the Institute's Discipline of Molecular and Cellular Biology, with research strengths in cell cycle control, growth factor receptor signaling, transcription factors and angiogenesis.

The successful candidate will join four new recruits in this area, focusing on T and B cell development, the biochemistry of antigen receptor and co-receptor signaling, inflammation, and auto-immunity. The key responsibility is to establish an independent research program of international caliber, funded through competitive sources. Collaborative interactions are expected to enhance the established research excellence of the Institute and to facilitate the interaction between clinicians and scientists.

The candidate must be eligible for primary appointment, at the level of Assistant or Associate Professor within the Department of Immunology at the University of Toronto. State-of-the-art laboratory facilities and supporting infrastructure will be available, as will generous start-up support. Compensation will be commensurate with gualifications/experience.

Applicants should send curriculum vitae and the names of three references, by November 1, 2001, to: Michael Julius, Vice President, Research, Sunnybrook and Women's Health Sciences Centre, Room A3 33, 2075 Bayview Avenue, Toronto, Ontario, Canada M4N 3M5.

In accordance with the University of Toronto's employment equity policy and Sunnybrook & Women's College Health Sciences Centre's diversity initiative we encourage applications from qualified women and men, members of visible minorities, aboriginal peoples and persons with disabilities. Canadian citizens and permanent residents will be considered first for this position.



We thank all applicants for their interest, however only those selected for interviews will be contacted.

ANNOUNCEMENTS



EYE AND VISION RESEARCH AT HARVARD



The Postdoctoral Program "Molecular Bases of Eye Disease," funded by the National Eye Institute, is designed to provide expertise in the most current molecular research techniques and knowledge of the outstanding problems in ophthalmology. Thirty faculty mentors, all with appointments or affiliations with the Department of Ophthalmology at Harvard Medical School, are drawn from laboratories of the Massachusetts Eye and Ear Infirmary, the Schepens Eye Research Institute, the Brigham and Women's Hospital, the Massachusetts General Hospital, the Longwood Campus Basic Science Departments, and the Department of Molecular and Cell biology on the Cambridge campus.

Participants are expected to spend two-to-three years in training. Training involves (i) participation in full-time research to obtain a mastery of molecular techniques in biochemistry, cell biology, genetics, immunology, or neurobiology as applied to ophthalmology and vision; (ii) exposure to ophthalmic problems through a series of didactic courses, clinical grand rounds, seminars, journal clubs, and meetings; and (iii) writing grant proposals to obtain individual support for the second and third year of training under the guidance of faculty presenting a formal course in principles of grant submission.

Positions are available for individuals immediately after the awarding of their terminal degree as well as for those who have completed their postdoctoral clinical training. Candidates must have a Ph.D. or M.D. degree, and be citizens or permanent residents of the United States.

Applicants for this program can obtain information on the mentors and their research at the website at http://www.eri.harvard.edu/training/index.html

More detailed information on the application process or the program is available from: Nina Roberts, Schepens Eye Research Institute, 20 Staniford Street, Boston, MA 02114, phone: (617) 912-0230, fax: (617) 912-0130. E-mail: nroberts@vision.eri.harvard.edu

The Schepens Eye Research Institute is an Equal Employment Opportunity Employer M/F/V/H.

Research Plant Pathologist

The U.S. Department of Agriculture, Agricultural Research Service, Wheat, Sorghum, and Forage Research Unit which is stationed on the East Campus, University of Nebraska-Lincoln is seeking a Research Plant Pathologist GS-12/13/14. Salary Range is \$51,927 to \$94,862 and is commensurate with experience. Candidates must be U.S. citizens. The incumbent is a member of a research team that is developing adapted, high yielding-high quality sorghum germplasm with genetic resistance to diseases, especially fungal diseases, that can be used with other disease management strategies in minimum- and no-tillage agricultural systems. The incumbent will be responsible for conducting research to quantify endemic genetic variation within fungal pathogen populations causing diseases of sorghum including but not limited to sooty stripe and sorghum ergot; identify and characterize biologically and genetically prevalent pathogen genotypes, determine genotype (pathogen) x genotype (sorghum) interactions, identify sources of resistance through a variety of techniques and approaches to fungal diseases of sorghum and utilize them in associated breeding/genetics research to develop resistant germplasm. Candidates must have a degree in plant pathology or related scientific discipline. The position has specific education and experience requirements that must be addressed. These include knowledge of fungal pathogens of agricultural plants and their biology and control; knowledge of molecular genetics including its application to fungal genetics, population dynamics, and interactions of specific pathogen and host genotype relationships; and skill in designing, conducting, and reporting research results.

In order to ensure submission of a complete application, applicants must request a copy of the Vacancy Announcement by calling 301-504-1484 or by printing from the website: http:// www.afm.ars.usda.gov/divisions/hrd/index.html and referencing position ARS-X1W-1503. Additional information on the position can be obtained by contacting K.P. Vogel at 402-472-1564. Applications must be postmarked by October 9, 2001.

USDA/ARS is an Equal Opportunity Employer and Provider.

POSTDOCTORAL PHYSICAL LIMNOLO-GIST. NOAA's Great Lakes Environmental Research Laboratory (GLERL) in Ann Arbor, Michigan, has an opening for a National Research Council (NRC) RE-SEARCH ASSOCIATE position in physical limnology with a special emphasis on investigation of waveinduced resuspension and long-term transport of finegrained sedimentary material in the Great Lakes. Candidates will develop a research proposal in collaboration with a GLERL Scientist based on results from the recent Episodic Events/Great Lakes Experiment (EEGLE; website: http://www.glerl.noaa. gov/eegle) in Lake Michigan. Proposals involving theoretical studies, numerical modeling, and process studies in waves and/or sediment dynamics are encouraged. The successful proposal will build on simulations of episodic resuspension events in Lake Michigan carried out in the EEGLE project and extend them to investigate the critical processes responsible for long-term sediment transport and deposition in large lakes and coastal regions. Applicants for the Postdoctoral Research Associate position should have a recent Ph.D. in physical oceanography or a related field with a strong emphasis on wave and/or sediment dynamics and transport processes. The NRC appointment is for one year with a second-year extension funded by GLERL assuming satisfactory performance. There is also a provision for application from a Senior Research Associate (Ph.D. for more than five years); this appointment is for one year. More information about the NRC Research Associateship program including application details is available at website: http://www4.nationalacademies.org/pga/ rap.nsf. Deadline for the application is January 15, 2002. For further information at GLERL, contact: David Schwab; Telephone: 734-741-2120; e-mail: schwab@glerl.noaa.gov.

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE/RESEARCH TECHNOLOGIST POSITION Harvard Medical School/ Massachusetts General Hospital

Our focus is on molecular mechanisms that control epithelial stem cell renewal, differentiation, and/or transformation using skin as model system. For representative papers, see Di Cunto et al., *Science* 280: 1069–1072, 1998; Topley et al., *PNAS* 96: 9089–9094, 1999; Cabodi et al., *Mol. Cell* 6:1121–1129, 2000; Rangarajan et al., *EMBO J.* 20:3427–3436, 2001.

Previous experience in molecular and cellular biology is required. Salary commensurable to experience. Please send curriculum vitae and names of three references to: G. Paolo Dotto, M.D., Ph.D., CBRC, MGH East, Building 149, 13th Street, Charlestown, MA 02129. Website: http://www.mgh. harvard.edu/cbrc.

The MGH/Harvard CBRC is a committed Equal Opportunity/Affirmative Action Employer. Minorities, women, handicapped, and veterans are encouraged to apply.

POSTDOCTORAL POSITIONS Molecular Mechanisms of Eukaryotic Transcription Vanderbilt University Medical Center

Two Postdoctoral positions available to examine the role of TBP, the TATA box binding protein and its associated protein factors in RNA polymerase IImediated transcription initiation using the baker's yeast Saccharomyces cerevisiae system. We currently utilize a combination of biochemical, genetic, biophysical, and proteomics methods to study the regulation and interactions of these proteins with each other, DNA, and other transcription factors; details can be obtained at website: http://www.mc.vanderbilt. edu/vumcdept/mpb/weil/weil_lab.html. Interested parties should send curriculum vitae and names of references to: Dr. Tony Weil, Department of Molecular Physiology and Biophysics, Vanderbilt University, School of Medicine, Nashville, TN 37232-0615. FAX: 615-322-7236. Vanderbilt University is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

TENURE-TRACK FACULTY POSITIONS Cell Signaling and Ion Channel Biology Case Western Reserve University School of Medicine

Positions available at the Rammelkamp Center for Research and Education at CWRU, MetroHealth Campus. Ph.D. and/or M.D. Scientists with expertise in the fields of (1) mechanosensor or osmoregulated ion channels, (2) cytoskeleton and mechanotransduction signaling pathways, or (3) intracellular protein trafficking to join NIH-funded electrophysiology and cell biology groups with cardiovascular, kidney, and neuroscience focus. Academic rank and department appointment commensurate with experience. Please send curriculum vitae, three reference letters, and description of research interests to:

> Arthur M. Brown, M.D., Ph.D. Vice President for Research MetroHealth Medical Center 2500 MetroHealth Drive, R301 Cleveland, OH 44109-1998

MetroHealth Medical Center is an Equal Opportunity Employer.

POSTDOCTORAL POSITION Barrow Neurological Institute

Postdoctoral position in motor control to study roles of motor cortex and thalamus in control of locomotion and posture. Experiments involve single cell recordings in cats walking on a complex terrain or balancing on a platform. That is supplemented with studies of body kinematics and effects of local drug applications. The successful candidate also will be encouraged to pursue independent research in the areas of visuomotor coordination or posture control. Familiarity with electrophysiological techniques and an-imal training is required. Send curriculum vitae, names of three references, and summary of previous work and research interests to: Irina Beloozerova, Ph.D., Division of Neurobiology, Barrow Neurological Institute, 350 West Thomas Road, Phoenix, AZ 85013. E-mail: ibelooz@chw.edu. Applications will be reviewed starting immediately and continuing through 2001-2002 academic year until position is filled. Equal Opportunity Employer.

Two POSTDOCTORAL POSITIONS available immediately to study (1) the role of phosphorylation in P450 proteolytic degradation and (2) the heme regulation of P450 proteins available. Biochemical, molecular biological, cell culture, and/or drug metabolism skills and a recent Ph.D. degree in biochemistry, chemical pharmacology, or medicinal chemistry (U.S., Canadian, or European university) essential. Salary and benefits commensurate with years of experience and University of California and NIH guidelines. Forward curriculum vitae with names of three relevant references to: Dr. M. A. Correia, Box 0450, Department of Cellular and Molecular Pharmacology, University of California San Francisco, San Francisco, CA 94143.

RETINAL NEUROBIOLOGY

A POSTDOCTORAL POSITION is available to study development and synaptic plasticity in retina. The applicants should have a Ph.D. with a solid background in electrophysiology. Please send curriculum vitae and the names of three references to: Ning Tian, M.D., Ph.D., Department of Ophthalmology and Visual Science, Yale University, School of Medicine, P.O. Box 208061, New Haven, CT 06520-8061 U.S.A. E-mail: ning.tian@yale.edu.

POSITIONS OPEN

ASSISTANT PROFESSORSHIPS AND POSTDOCTORAL FELLOWSHIPS IN NEUROSCIENCE

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

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

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

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

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

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

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

Jeffery Magee: dendritic integration and synaptic physiology.

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

Helene Varoqui: role of glutamine transporters in glutamatergic neurotransmission.

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

POSTDOCTORAL and GRADUATE STU-DENT openings in project on apomixis gene discovery. The project is focused on the structure and function of genomic regions associated with apomixis in Pennisetum species and relatives (PNAS 95:5127). Postdoctoral candidates will be required to have training and experience in molecular biology techniques, chromosome walking, and bioinformatics. Graduate student applicants should have a strong interest in molecular biology and plant reproductive development. Send curriculum vitae including publications list or transcripts and contact information for three references to: Dr. Peggy Ozias-Akins, Department of Horticulture, University of Georgia Tifton Campus, P.O. Box 748, Tifton, GA 31793. Email: ozias@tifton.cpes.peachnet.edu.

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

The University of Wisconsin-Madison Medical School, Department of Surgery, Division of Transplantation, is currently recruiting a Research Scientist for a **POSTDOCTORAL FELLOWSHIP** in transplantation biology. The successful applicant will have an M.D. or Ph.D. and a strong background in cell biology and immunology. The focus of our laboratory is the interplay between rare donor leukocytes (microchimerism), donor-derived soluble HLA proteins, and host T regulatory cells in the phenomenon of transplant acceptance (those rare patients who have discontinued all immunosuppression after organ transplantation yet maintain excellent graft function without rejection). Using a novel, delayed type hypersensitivity (DTH) assay, we have found that certain donor leukocyte-derived antigens can induce a bystander suppression of DTH mediated by IL-10 and/ or TGFb1. The successful applicant will use molecular (DNA, RNA/PCR-based detection methods) and cellular (flow cytometry, immunomagnetic bead separation) techniques to explore the mechanism of immune regulation. The position is fully NIH funded; the laboratory has an excellent publication record and will prepare the Postdoctoral individual for a career in immunological research. We offer a competitive salary and a stimulating work environment. If interested, send or FAX curriculum vitae to: William Burlingham, Ph.D., Department of Surgery, 600 Highland Avenue, Room G4/702, Madison, ĬШ 53792-7375. FAX: 608-262-0430.

POSTDOCTORAL POSITION Trafficking and Protein-Protein Interactions of the SLC19A Facilitative Transporters Albert Einstein Cancer Center

A recently recognized family of three (A1-3) carriers that transport folates and thiamine. This laboratory is studying the structure/function, regulation, and postranslational modifications of these carriers. Special focus is on the domains determining trafficking to epithelial cell membranes, vectorial flows, and protein-protein interactions that regulate specificity and pH sensitivity. A variety of molecular and biophysical techniques are applied in these studies. For recent publications from this laboratory, see Enrez: I. Goldman. Send curriculum vitae and names of three references to: Dr. I. David Goldman, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461. FAX: 718-430portunity Employer.

A POSTDOCTORAL RESEARCH POSI-TION is available immediately to study the regulation of G protein-coupled receptors in liver diseases. Experience in molecular biology (transfection, expression, point mutation) and/or biochemistry (phosphorylation, peptide mapping, phosphoamino acid analysis, and mass spectrometry) desirable. The laboratory is located in downtown Washington, D.C., with its unique recreational, social, cultural, and educational activities. Send curriculum vitae and three reference names to: Dr. Bernard Bouscarel, Gastroenterology Research Laboratory, The George Washington University, 2300 Eye Street, N.W., Ross Hall Number 523, Washington, DC 20037. E-mail: dombeb@gwumc.edu. An Equal Opportunity/Affimative Action Employer.

POSTDOCTORAL POSITION to study mouse models of human disease using mobile DNA clements as insertional mutagens. Candidates should have a strong background in molecular biology and tissue culture. Send curriculum vitae, one-page description of research interests, and contact information for three references to: Dr. Nina Luning Prak, Department of Pathology and Laboratory Medicine, University of Pennsylvania School of Medicine, 405B Stellar Chance Laboratories, 422 Curie Boulevard, Philadelphia, PA 19104. Email: luning@mail.med.upenn.edu. Affirmative Action/Equal Opportunity Employer.

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POSTDOCTORAL/RESEARCH ASSOCIATE POSITIONS Baylor College of Medicine

Postdoctoral and/or Research Associate positions are now available to study in vivo and in vitro lipidcarbohydrate metabolism in animal tissues. The laboratory currently focuses on the detailed biochemical and molecular mechanisms by which the enzymes, acetyl-CoA carboxylases (ACC1 and ACC2) and fatty acid synthase (FAS), regulate the synthesis of malonyl-CoA, a key intermediate in the regulation of fatty acid synthesis and oxidation respectively (Science 291: 2613-2616, 2001). These studies are very important to our understanding of fat metabolism as it relates to normal and disease state such as obesity, diabetes, heart attack, and stroke. The individual will use own initiative or supervise others in planning and completing advanced medical or research experiments. A Doctoral degree (Ph.D.) or equivalent with a major in biology, biochemistry, or chemistry and one or two vears of laboratory work experience is required. Candidates should send curriculum vitae and three letters of reference to: Ms. Lin Cramer, Department of Biochemistry and Molecular Biology, MS: BCM125, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030-3498. Baylor College of Medicine is an Equal Opportunity/Affir-

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GLOBAL OPPORTUNITIES

CHIEF SCIENTIST PERMANENT POSITION Lead Research in Organometallic Chemistry RIKEN

(The Institute of Physical and Chemical Research)

RIKEN invites applications for the position of Chief Scientist to lead a new laboratory working on organometallic chemistry. The successful candidate will be responsible for the overall management of the laboratory, research strategy, and implementation of research projects as well as the more general aspects of the Institute's management and research planning activities.

The post is a permanent appointment, subject to RIKEN's mandatory retirement age of 60. Terms and conditions of employment shall include a Directorlevel salary and shall be in accordance with RIKEN's procedures for appointing Chief Scientists. The sucessful applicant will be expected to take up this position from April 1, 2002.

Applicants should submit complete curriculum vitae with a photograph; a list of publications; one copy each of five key publications; a statement detailing research experience, reasons for her/his application, and proposals for research at RIKEN (the total length for these last items should not exceed five pages of regular-sized paper); and the names and addresses of three references. All applications are to be received by November 16, 2001. Address materials to:

Dr. Tadashi Nakata Head of the Chief Scientist Nominating Committee Synthetic Organic Chemistry Laboratory RIKEN Hirosawa 2-1, Wako-shi Saitama, 351-0198, Japan E-mail: nakata@postman.riken.go.jp Website: http://www.riken.go.jp/

POSITIONS OPEN

POSTDOCTORAL POSITION

An NIH-funded position to study nonintestinal B cell homing will be available in October 2001. We have recently described a B cell subset responsible for homing to the nasal passages and the genitourinary track as well as a novel intestinal subset that is $\alpha 4\dot{\beta}$ 7-independent. Conducted studies will evaluate B cell homing to nonintestinal mucosal and intestinal tissues by ELISPOT, flow cytometric analysis, and adoptive transfer studies after intranasal adenovirus immunization. Applicants must have a Ph.D., cellular immunology experience, and ability to design experiments relevant to this description. Send a letter of application, curriculum vitae, and names of three references to: Dr. David W. Pascual, Veterinary Molecular Biology, Montana State University, Bozeman, MT 59717-3610. FAX: 406-994-4303; e-mail: dpascual@montana.edu. Americans With Disabilities Act/Affirmative Action/Equal Opportunity/Veteran's Preference.

A POSTDOCTORAL POSITION is available in the Inorganic Carcinogenesis section of the National Cancer Institute at NIEHS, NIH, Research Triangle Park, North Carolina. The position offers exciting research opportunities in the study of the molecular mechanisms of metal toxicity and carcinogenesis, particularly with arsenic and cadmium. Applicants should have a Ph.D. and a strong background in molecular biology and gene regulation. Knowledge of metal toxicology is not required. Send or e-mail (e-mail: waalkes@niehs.nih.gov) your curriculum vitae and the names of three references to: Dr. Michael Waalkes, NCI at NIEHS, MD F0-09, 111 Alexander Drive, Research Triangle Park, NC 27709.

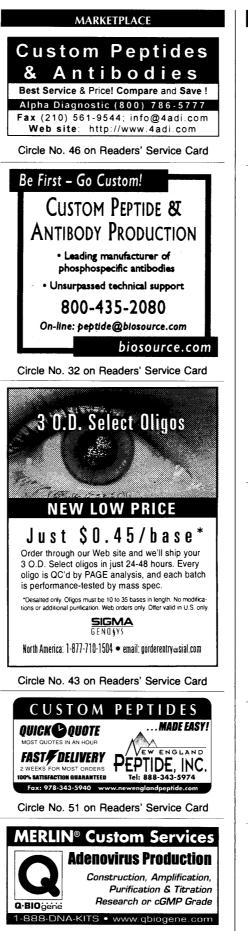
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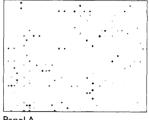
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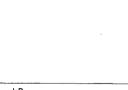
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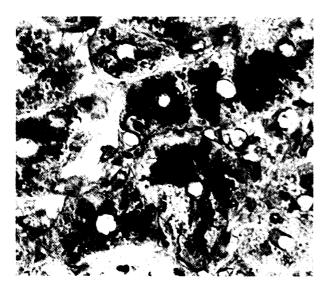
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