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POSITIONS OPEN

ASSISTANT PROFESSOR

The Department of Anatomy has a tenure-track position available for appointment beginning 1 July 1992. Applications are invited from individuals with at least 2 years of postdoctoral experience. Preference will be given to those whose research focuses on cellular/molecular aspects of developmental biology or neurobiology, although consideration will not be limited to these areas. The successful candidate will be expected to teach medical students (gross anatomy) and graduate students and to establish an independent research program. Candidates should submit a curriculum vita, a summary of past and proposed research interests, and names of at least three references by 1 November 1991 to:

Shirley Ann Gilmore, Ph.D.
Chairman
Department of Anatomy (#510)
University of Arkansas for Medical Sciences
4301 West Markham
Little Rock, AR 72205-7199

The University of Arkansas for Medical Sciences is an Equal Opportunity/Affirmative Action Employer.

The Faculty of Sciences of the University of Geneva (Switzerland) invites applications for the position of full

ASSISTANT PROFESSOR
(professor adjoint)
OF NATURAL SCIENCES
OF THE ENVIRONMENT

Main responsibilities for this position will include the organization and coordination of a new M.Sc. course in natural environmental sciences, interdisciplinary teaching and research in the field of environmental sciences.

The candidate must hold a Ph.D. or equivalent academic title. Qualifications in teaching, interdisciplinary research and an experience of organization and public relations are required. Position starts on 1 March 1992. Applications should be sent by 15 November 1991 to:

Secretariat de la Faculté des Sciences, 30, quai Ernest-Ansermet, CH-1211, Switzerland, where further information can also be obtained.

FACULTY POSITIONS IN
CELL BIOLOGY AND GENETICS
UNIVERSITY OF UTAH

The biology department at the University of Utah seeks applications for two tenure-track positions, one in the area of cell biology and one in genetics. While the positions are nominally at the ASSISTANT PROFESSOR level, more senior applicants will also be considered. Interested individuals should submit curriculum vitae, three letters of reference, and a statement of research interests to:

Review of applications will begin on 15 October 1991, and continue until the positions are filled.

Dr. Baldomero Olivera
Cell Biology Search Committee

or

Dr. John S. Parkinson
Genetics Search Committee

Biology Department
University of Utah
Salt Lake City, UT 84112

The University of Utah is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.

VISITING ASSISTANT PROFESSOR in biochemistry or bio-organic chemistry, with a contract running from February or September 1992 through May 1993. The position may eventually be converted to tenure track. ACS-approved department in an undergraduate university of 1700 students. Ph.D. in biochemistry or organic chemistry required. The successful candidate will be expected to teach both biochemistry and organic chemistry, including the teaching of organic chemistry, nonmajors courses, laboratory sections and supervise undergraduate research. Send application, curriculum vita, including list of published papers, and names of three references to:

Dr. Timothy R. Rettich
Chairman
Department of Chemistry
Illinois Wesleyan University
Bloomington, IL 61702

Applications will begin considered 6 weeks after first publication of this ad. IWU is an Equal Opportunity Employer and applications from women and minorities are strongly encouraged.

POSITIONS OPEN

ASSISTANT PROFESSOR IN PLANT MOLECULAR BIOLOGY AT UNIVERSITY OF ILLINOIS AT CHICAGO

Applications are invited for a tenure-track position available beginning fall of 1992 at the assistant professor level in the Department of Biological Sciences at the University of Illinois at Chicago. Candidates with post-doctoral experience and expertise in either higher or lower plants will be considered. The successful applicant will be expected to develop a strong research program in plant molecular biology and to participate in the departmental coursework offerings. Please send curriculum vitae, a statement of research goals and the names and addresses of three referees to:

Plant Molecular Biology Search Committee
Dr. Sidney Simon, Jr., Chair
Department of Biological Sciences (MC 066)
The University of Illinois at Chicago
Box 458
Chicago, IL 60680

Applications will be accepted until 21 October 1991. The University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer.

ACADEMIC POSITIONS

ASSISTANT PROFESSORSHIPS. The Department of Chemistry and Biochemistry of The University of Texas at Austin solicits applications for tenure-track assistant professorships anticipated to begin on or before September 1992. Exceptional candidates in all areas of chemistry/biochemistry will be considered. Candidates must demonstrate outstanding research capability and/or show promise in teaching should forward curriculum vitae, short descriptions of research plans, and three letters of reference by 1 November 1991 to:

Search Committee
Department of Chemistry and Biochemistry
The University of Texas at Austin
Austin, TX 78712. Equal Opportunity/Affirmative Action Employer.

WATERSHED MANAGEMENT RESEARCH ASSISTANT PROFESSOR

Candidates sought with demonstrated expertise in formulation, verification, application of ecosystem models and geographic information systems to natural resource issues. Earned doctorate with emphasis on interdisciplinary training relevant to issues in watershed management (forestry, ecology, geology, hydrology, or quantitative sciences). Three-year, non tenure-track position. Send letter of application, transcripts, a statement of how modeling goes can address land-water interactions and three references to:


ASSISTANT PROFESSOR OF PLANT PATHOLOGY

Applications are invited for a 12-month, tenure-track position in the area of prokaryotic plant pathogens at the University of Kentucky. A Ph.D. in plant pathology or a related discipline and research experience concerning molecular approaches to the study of prokaryote-host plant system are required. Postdoctoral experience is desirable. Applicants should ensure that curriculum vitae, transcripts, sample publications, any other evidence of professional accomplishments considered relevant, and three professional letters of reference reach Dr. David A. Smith, Plant Pathology, S-308 Agricultural Sciences Building-North, University of Kentucky, Lexington, KY 40546-0991 (telephone: 606-257-3901; FAX: 606-257-7699) by 10 November 1991. The University of Kentucky is an Equal Opportunity Employer.

ASSISTANT/ASSOCIATE PROFESSOR, The Institute for Toxicology, School of Pharmacy, University of Southern California. Applicants with ongoing research interests in free-radical biology or chemistry as well as a strong commitment to teaching in the biomedical sciences are sought for a full-time, tenure-track position available immediately. Complete curriculum vitae and the names of three referees should be submitted by 10 November 1991 to: Dr. Paul Hochstein, Institute for Toxicology, 1985 Zonal Avenue, Los Angeles, CA 90033. The University of Southern California is an Equal Opportunity/Affirmative Action Employer.

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ASSISTANT PROFESSOR: PLANT SYSTEMATICS/EVOLUTION. The Botany Department, University of Georgia, invites applications for this 9-month, tenure-track position beginning 1 September 1992. Candidates should possess demonstrated research capabilities in molecular systematics or methods and principles of evolution. The position is open until filled. The candidate is expected to maintain an active research program with strong participation in undergraduate and graduate training and teaching in plant systematics and related courses in the botanical sciences. Send curriculum vitae, reprints, statements of research and teaching interests, and four letters of reference directly to: Dr. David E. Glenn, Department of Botany, University of Georgia, Athens, GA 30602. Closing date is 15 December 1991. An Equal Opportunity/Affirmative Action Institution.

MOLECULAR GENETICS/SIGNAL TRANSDUCTION. MOLECULAR DEVELOPMENTAL BIOLOGY UNIVERSITY OF ILLINOIS AT CHICAGO (UC). The Laboratory for Molecular Biology of the Department of Biological Sciences invites applications for two tenure-track faculty positions at the ASSISTANT PROFESSOR level available in fall 1992. The Laboratory wishes to complement its strong molecular genetics research program and to keep its interest in signal transduction and developmental biology.

Outstanding candidates with promising research programs utilizing molecular and/or genetic approaches to study (1) regulatory mechanisms involved in signal transduction pathways or (2) eukaryotic developmental systems are encouraged to apply. Successful candidates are expected to have a Ph.D. or M.D. degree with postdoctoral experience, and to provide evidence that they can pursue a vigorous, independent research program, and must be willing to contribute to the Department's strong research efforts. Please apply by sending curriculum vitae, description of research interests, and names and addresses of three references:

LMB Search Committee
C/o Dr. Emanuel Roschay, Laboratory of Molecular Biology
Department of Biological Sciences (M/C 066)
University of Illinois at Chicago
P.O. Box 4348
Chicago, IL 60680

Attention: Therese Roschay, telephone: 312-996-2213. Applicants must specify to which position they are applying. Application deadline is 15 November 1991. UIC is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR DEPARTMENT OF PHARMACOLOGY UNIVERSITY OF CHICAGO (UC). Applications are invited from qualified individuals possessing a Ph.D. or M.D. degree and relevant postdoctoral experience. Preference will be given to applicants in molecular pharmacology in such areas as gene therapy, cancer chemotherapy or neuropharmacology, although other areas will also be considered. The successful applicant will be expected to develop an active, externally funded research program. Responsibilities will include medical and graduate teaching in pharmacology and/or toxicology. Applicants should forward complete curriculum vitae including any teaching experience and grants support, an outline of future research plans, and names of three letters of reference to: Chair, Department of Pharmacology and Toxicology, Dartmouth Medical School, Hanover, NH 03755. Applications will be reviewed beginning 15 October 1991 and will continue until the position has been filled. Women and minorities are urged to apply. Dartmouth Medical School is an Equal Opportunity/Affirmative Action Employer.

University of Maryland at Baltimore, Division of Endocrinology, seeks Ph.D. or M.D. for FSBE position in all aspects of Adult Endocrinology Laboratory. Prior experience with radioimmunoassays required. Administrative experience desirable. Salary negotiated. Send CV with three letters of reference to: J. F. Wilber, M.D., Head, Division of Endocrinology, Room N3W50, 22 South Greene Street, Baltimore, MD 21201 by 1 October 1991. Equal Opportunity Employer.

ASSOCIATE PROFESSOR, BIOCHEMISTRY/MOLECULAR BIOLOGY. The Department of Biochemistry at The University of Mississippi Medical Center invites applications for a tenure-track position. The department is well-equipped and has strong research programs in eukaryotic gene organization and expression, protein synthesis, ribosome biogenesis, nucleic acid biochemistry, enzymology and protein chemistry. The successful applicant is expected to establish or have an independent, high quality, funded research program and to participate in the training of medical, dental and graduate students. Special consideration will be given to candidates in areas that complement current research programs. Send curriculum vitae, an outline of future research plans and the names of three references to: Dr. Mark Olson, Chair, Department of Biochemistry, The University of Mississippi Medical Center, 2500 N. State St., Jackson, MS 34921-4505. Equal Opportunity Employer, M/F/H/V.

FREE PRODUCT INFORMATION SERVICE. Send a letter stating the specifics about your new laboratory and Science will put you in touch with the vendors whose products you will need. Write to: SCIENCE New Labor Service Department, 151 Broadway, New York, NY 10036.

The Department of Environmental Sciences at The University of Virginia seeks applications and nominations for a tenure-track faculty position in the area of ecosystems biology beginning 1 November 1992. The position is open to anyone with research and teaching interests in the areas of global change, ecosystems processes, and conservation. The successful applicant will be expected to develop an active research program that contributes to understanding of problems that may involve: neurophysiology, neurodevelopment, neurogenetics, or intercellular or intracellular communication. The successful candidate will be expected to develop a graduate program and contribute to teaching of undergraduate and graduate students in the neurobiology program. Consideration of candidates who have completed their Ph.D. by the time of application will begin on 15 October 1991. Applications must be received by 15 January 1992. Send application letter, curriculum vitae, names, addresses and telephone numbers of five references to: Department Head, Ecosystems Biology, University of Virginia, 101 University Station, Charlottesville, VA 22903. The University of Virginia is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR IN PHYSIOLOGY DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN Applications are invited for a full-time, tenure-track position in molecular or cellular physiology at the assistant professor level starting August 1992. The successful candidate is expected to have a Ph.D. degree and is expected to develop a vigorous, independently funded research program and to participate in undergraduate and graduate teaching. Salary is competitive, and the appointment is tenure-track with broad expertise in cellular, molecular, and systems physiology. While a candidate with research interests in cellular and molecular aspects of cardiovascular physiology is preferred, the candidate's interests and expertise in the area will be considered. Salary will be commensurate with experience and qualifications. The deadline for receipt of applications is 1 December 1991. Interviews may take place before 1 December, but all applications received by this date will be fully considered. Applicants should submit curriculum vitae, a list of publications, a statement of future research plans, and the names and telephone numbers of at least three references to: Dr. Philip M. Best, University of Illinois, Department of Physiology and Biophysics, 411 South Goodwin Avenue, Urbana, IL 61801; telephone: 217-333-8176. Women and minority applicants are encouraged to apply. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

ASSOCIATE OR ASSOCIATE PROFESSOR BIOCHEMISTRY/MOLECULAR BIOLOGY. The Department of Biochemistry at The University of Mississippi Medical Center invites applications for a tenure-track position. The department is well-equipped and has strong research programs in eukaryotic gene organization and expression, protein synthesis, ribosome biogenesis, nucleic acid biochemistry, enzymology and protein chemistry. The successful applicant is expected to establish or have an independent, high quality, funded research program and to participate in the training of medical, dental and graduate students. Special consideration will be given to candidates in areas that complement current research programs. Send curriculum vitae, an outline of future research plans and the names of three references to: Dr. Mark Olson, Chair, Department of Biochemistry, The University of Mississippi Medical Center, 2500 N. State St., Jackson, MS 34921-4505. Equal Opportunity Employer, M/F/H/V.

The Department of Psychological and Brain Sciences at The University of Science and Technology of China invites applicants for a tenure-track position at the associate professor level in the area of neuropsychology. The successful candidate will be expected to develop a program of research and contribute to teaching of undergraduate and graduate students in the neuropsychology program. Consideration of candidates who have completed their Ph.D. by the time of application will begin on 15 October 1991. Applications must be received by 15 January 1992. Send application letter, curriculum vitae, names, addresses and telephone numbers of five references to: Department Head, Neuroscience, University of Science and Technology of China, Xian, Shaanxi, P.R. China 710061. The University of Science and Technology of China is an Affirmative Action/Equal Opportunity Employer.

The Department of Psychology at The University of Kansas invites applications for an Assistant Professor of Psychology position, to begin in the fall of 1992. The appointment is tenure track and Salaries will be competitive. Review of applications will begin immediately and will continue until position is filled. Women and minority candidates are encouraged to apply. Application materials should include letter of application, complete vita, and names and addresses of three references. Send all materials to: Psychology Search Committee, 1606 Wescoe Hall, Lawrence, KS 66045-7572.
THE UNIVERSITY OF AUCKLAND
New Zealand
LECTURESHIP/SENIOR LECTURESHIP IN MOLECULAR GENETICS
School of Biological Sciences
Department of Cellular & Molecular Biology
(Vacancy UAC-54)

The University of Auckland seeks a person with interests in eukaryotic molecular genetics to initiate a research programme and contribute to teaching in molecular genetics in the Department of Cellular and Molecular Biology.

The Department has 75 staff. Facilities include an automated DNA sequencer, oligonucleotide synthesis capacity, access to a gas-phase protein sequencer and a comprehensive Vax-based computer system with access to major data bases.

Applicants should have a PhD or equivalent qualification and some years postdoctoral experience in a major research institution. Preference will be given to an appointee able to initiate a strong research programme in human molecular genetics and to interact strongly with staff in the Medical School and with DNA Diagnostics Ltd, a University-based company involved in genetic testing. For either a medically qualified or non-medically qualified applicant, there is the possibility of a joint appointment in the Department of Paediatrics section of Clinical Genetics, School of Medicine. The successful applicant will contribute to the School of Biological Sciences undergraduate and graduate teaching programme in molecular genetics and will supervise and carry out research. Opportunities also exist for interaction with major Australian research centres.

Commencing salary will be established within the ranges: Lecturer NZ$37,440–NZ$49,088 p.a.; Lecturer (Medical) NZ$41,600–NZ$49,400 p.a.; Senior Lecturer NZ$52,000–NZ$60,944 p.a.; Senior Lecturer (Medical) NZ$67,800–NZ$87,568 p.a.

Conditions of Appointment and Method of Application are available from Appointments (39747), Association of Commonwealth Universities, 36 Gordon Square, London WC1H 0PF; or from the Assistant Registrar (Academic Appointments), University of Auckland, Private Bag, Auckland, New Zealand, Fax 64-9-799 317, to whom applications should be forwarded by 15 November 1991.

Please quote Vacancy Number UAC-54 in all correspondence
The University of Auckland
An Equal Employment Opportunity Employer

ASSOCIATE DIRECTOR
CENTER FOR GLOBAL CHANGE
AND ARCTIC SYSTEM RESEARCH
UNIVERSITY OF ALASKA FAIRBANKS

Applications are invited from candidates for the position of Associate Director of the Center for Global Change, and Arctic System Research at the University of Alaska Fairbanks. The Center, established in 1990, provides a campus-wide framework for developing, coordinating, and implementing interdisciplinary research initiatives to address the role of the Arctic in the Earth system. There are presently about 300 faculty members interested in global change research on campus, and more than 50 of them receive over $6 million in competitively-funded research support for global change studies.

The position is responsible to the Director of the Center, and the successful candidate is expected to operate on his/her initiative for the overall program and administrative activities of the Center. These activities include formulating, refining, and articulating the character of the Center; securing planning and operating funds through proposals; and generally defining and implementing the programs, image, and direction of the Center.

Qualifications for the position include a graduate degree or equivalent in a field of science or engineering relevant to global change research. Alternatively, a degree in business management and five years of progressively responsible science administrative experience, including a knowledge of science funding sources and agencies, and contract negotiations. Familiarity with global change scientific program plans is critical. The salary range begins at $45,684.00; actual salary will depend on experience.

Requests for further information about the Center or the position can be obtained from the address below. Applications should be sent by November 1, 1991 to:

Dr. Gunter Weller, Director
Center for Global Change
and Arctic System Research
208 O'Neall Building
University of Alaska Fairbanks
Fairbanks, AK 99775

The University of Alaska Fairbanks is an EOAA Employer and Educational Institution.

Triton Diagnostics Inc., a healthcare company dedicated to the advancement of cancer management, is seeking experienced individuals for several openings. Each individual will be part of a team responsible for the development and commercialization of leading-edge in vitro cancer diagnostic immunoassays.

Senior Research Associate
Protein Chemistry

Candidates for this position will have a background in protein purification and characterization as well as extensive experience with immunochemical techniques. A degree in biological science as well as 3-5 years of relevant experience in product development are required.

Senior Research Associates
Assay Development

These two positions require individuals with a demonstrated track record in the development, optimization and scaleup of commercial immunoassays. A degree in biological science plus 3 or more years of industrial experience in product development are required.

Triton offers competitive salaries and benefits. For consideration, send your resume with a cover letter to
TRITON DIAGNOSTICS INC., Employee Relations, 1401
Harbor Bay Parkway, Alameda, CA 94501. EOE.
Neurobiology
Bristol-Myers Squibb, a worldwide leader in the development and marketing of sophisticated pharmaceuticals, medical care, consumer and nutritional products, has exceptional opportunities for wrist/Associate Research Scientists in CNS Drug Discovery in Wallingford, CT.

Neurophysiology
Perform experimental protocols involving a variety of neurophysiological techniques in brain slices, cultured neurons, and Xenopus oocytes expressing neuronal receptors. The lab carries out basic and applied research primarily in the areas of neurodegenerative disorders and synaptic plasticity. BS/MS required in the biological sciences, with background in neurosciences. Experience in electrophysiological recording techniques helpful. Ref #0673.

Neuropharmacology
Provide assistance using in vivo models for stroke and migraine programs. Responsibilities will include assisting in blood flow studies using radioactive materials, preparing solutions and implementing experimental protocols in compliance with established procedures, cerebral vascular pharmacology, and computerized data analysis. BS/MS required, biology, pharmacology, or animal science. Ref #0620.

Neuronal Cell Biology
Provide technical assistance within the neuronal cell biology lab developing neuroprotective agents for neurodegenerative disorders. Duties include preparing neuronal cultures, evaluating effects of test agents on cultured cells, and general lab work. BS/MS in biological sciences with experience in tissue culture or cell biology. Ref #0642.

Bristol-Myers Squibb offers the advantages of sustained career growth, highly competitive salaries, extensive benefits and professional support in pursuing excellence. Please send resume with salary history to:

BRISTOL-MYS SQUIBB
3000 Forest Avenue, Kansas City, MO 64108.

POSITIONS OPEN

FACULTY POSITIONS IN BIOLOGY
AT WAKE FOREST UNIVERSITY

The Department of Biology at Wake Forest University invites applications for tenure-track positions to be filled at the ASSISTANT PROFESSOR level. We especially invite applications from minority candidates. Required qualifications include a Ph.D. with training and experience in one or more of the following areas: development, neurogenesis, and behavior. Each successful candidate will be expected to develop courses in the appropriate specialty, as well as to attract additional funding. Candidates will have the opportunity to participate in the training of masters and doctoral students, and to establish a strong research program.

PLANT SYSTEMATICS: The successful candidate will have training in both molecular and classical techniques of plant systematics and will develop a general course in systematics suitable for all biology majors, and possibly courses in plant taxonomy and evolutionary plant biology. To: Dr. Kenneth Campbell, Chair, Search Committee, Department of Biology, Wake Forest University, Winston-Salem, NC 27109. To be considered, all applications must be received by 1 November 1991. Wake Forest University is an Equal Opportunity Employer.

CALIFORNIA INSTITUTE OF TECHNOLOGY (CALTECH)
FACULTY POSITION IN ENVIRONMENTAL ENGINEERING SCIENCE (EES)

The Environmental Engineering Science program at Caltech is committed to increasing the number of female AS-SISTANT PROFESSOR in EES. Initial junior faculty position is normally for 4 years and is contingent upon completion of Ph.D. Outstanding senior candidates may also be considered. EES is an interdisciplinary graduate program bringing together engineers and scientists working on novel approaches to environmental problems, particularly concerned with air and water. We are particularly interested in applicants in the areas of environmental chemistry, environmental microbiology, environmental fluid mechanics, and air quality. Any candidate must have a strong interest in environmental applications, research accomplishment in one or more of the relevant areas, and evidence of ideas for a highly productive research program. Application materials should include curriculum vitae, a list of publications with refereed articles clearly marked, the names of at least three references, and a statement of research and teaching objectives: to Professor J. J. Morgan, EES Search Committee Chairman, Environmental Engineering Science, Caltech, 1200 E. California Institute of Technology, Pasadena, CA 91125. Closing date for applications is 15 December 1991. Caltech is an Equal Opportunity/Affirmative Action employer and is committed to increasing the number of faculty who are women and underrepresented minorities. Applicants in these categories are encouraged to apply.

SCIENCE welcomes placement of line classified ads by fax. Please include name and telephone number for our confirmation call when transmitting ad to:

FAX NUMBER: 202-382-0816

POSITIONS OPEN

UNIVERSITY OF PENNSYLVANIA

The Department of Physiology seeks to fill several tenure-track positions, preferably at the ASSISTANT PROFESSOR level. Candidates with demonstrated strength in experimental research tailored to the study of cellular and/or molecular mechanisms are encouraged to apply. Please send curriculum vitae, a statement of research interests, and names and addresses of three referees to whom the committee may write for further information.

Faculty Search Committee
Department of Physiology
University of Pennsylvania
Philadelphia, PA 19104-6085

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

PHYSIOLOGIST: A tenure-track faculty position at the ASSISTANT, ASSOCIATE, or FULL PROFES- SOR level in the Department of Veterinary and Comparative Anatomy, Pharmacology, and Physiology at Washington State University is available for a Ph.D. physiologist with 3-5 years postdoctoral training and research experience in the areas of brain function, neuroendocrinology, cardiovascular physiology or sensory systems. The successful candidate will be expected to develop courses in the appropriate specialty, as well as to attract additional funding. Candidates will have the opportunity to participate in the training of masters and doctoral students, and to establish a strong research program.

The faculty position is expected to start in August 1992. Applications with a curriculum vitae, statement of research interests, and names and addresses of three referees should be sent to: Dr. Kenneth Campbell, Chair, Search Committee, Department of Veterinary and Comparative Anatomy, Pharmacology, and Physiology, Washington State University, Pullman, WA 99164-2505. Applications will be accepted until 15 December 1991. Washington State University is an Equal Opportunity/Affirmative Action Employer. Protected group members are encouraged to apply.

CULTURAL/SOCIOCULTURAL PSYCHIATRY FELLOWSHIP DIRECTOR

The Department of Psychiatry and Behavioral Sciences, University of Oklahoma Center, is seeking a psychiatrist for a full-time position at the ASSISTANT PROFESSOR/ASSOCIATE PROFESSOR level. Applicants must demonstrate experience and interest in the areas of cultural psychiatry and/or epidemiology. The position involves administrative, educational, clinical, and research opportunities; and the opportunity to work with a culturally diverse faculty, fellows, and a multidisciplinary faculty. Population patients include Native Americans, African-Americans, Asians, and Hispanics in a number of different settings. Send curric- ulum vitae, and names of three references to: either Joseph Westermeyer, M.D., Ph.D., or Mark Williams, M.D., at University of Oklahoma Health Sciences Center, Department of Psychiatry, P.O. Box 26901, Oklahoma City, OK 73190-3048. University of Oklahoma is an Affirmative Action/Equal Opportunity Employer.

LUCHE CHAIR IN COGNITIVE SCIENCE

The University of Rochester has an open position in cognitive science, funded by the Henry Luce Foundation. We seek applications from people with strong research programs in areas as language, learning, vision, cognitive neuroscience, and philosophy. The university has an excellent major in cognitive science. We also have an active interdisciplinary structure with about 20 current graduate students having common interests in cognitive science. The holder of the Luce chair will be a member of at least one of the constituent programs or departments: computer science, linguistics, neuroscience, philosophy, psychology. The University of Rochester is an Equal Opportunity Employer. We urge women and minority candidates to apply for this position. Send materials to: Professor Thomas G. Bever, Cognitive Science Director, Meliora Hall, University of Rochester, Rochester, NY 14627. For full consideration, applications should be received by 15 November 1991.
66 Fellowships will be awarded by the Howard Hughes Medical Institute for study toward a Ph.D. or Sc.D. degree in the biological sciences listed below. Awards, based on an international competition each year, focus on research directed to an understanding of basic biological processes and disease mechanisms. Fellowships may be held at any academic or research institution with appropriate degree programs.

### Fellowship Terms
- Full-time study toward the Ph.D. or Sc.D.
- Up to five years of support possible
- $14,000 annual stipend, effective June 1992
- $11,700 annual cost-of-education allowance

### Fields of Study
- Continuing as eligible fields:
  - biochemistry
  - biophysics
  - cell biology
  - developmental biology
  - genetics
  - immunology
  - microbiology
  - molecular biology
  - neuroscience
- New eligible fields:
  - biostatistics
  - epidemiology
  - mathematical biology

### Eligibility
- Beginning graduate study (prior study toward an M.P.H. or a medical degree does not rule out eligibility)
  - college seniors
  - first year graduate students
  - medical students and physicians (M.D., D.O., D.D.S., or D.V.M.) not past the first year of a Ph.D. or Sc.D. degree program
- Not in a funded M.D./Ph.D. program
- No citizenship requirements: U.S. citizens may study abroad, but others must study in the United States

### Schedule
- Application deadline: November 8, 1991
- Awards announced: early April 1992
- Fellowships start: June 1992 - January 1993

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For 1992 Program Announcements, Eligibility Guidelines, and Applications

Hughes Fellowship Program • The Fellowship Office
National Research Council • 2101 Constitution Avenue, N.W.
Washington, D.C. 20418 • United States of America
Telephone (202) 334-2872

The Howard Hughes Medical Institute welcomes applications from all qualified candidates and encourages women and members of minority groups to apply.
The new support, the cardiovascular GS/13-14 toral research experience and a strong desire to pursue an ultimate career track. Excellent written and verbal communication skills required.

The candidate selected will provide leadership for the National programs and develop new programs in his/her area of expertise. Areas of interest include cardiac and vascular smooth muscle, cardiovascular receptor and signal transduction pathways, ion channel biology, circulatory and cardiac control, performance and energetics, etc.

Applicants must be U.S. citizens. Appointment at a GS-13-14 level anticipated. Send curriculum vitae (or SF-171) to:

Personnel Officer
National Institutes of Health
Building 10, Room 5A28
900 Rockville Pike
Bethesda, MD 20892

CHAIR
DEPARTMENT OF BIOLOGY
HOWARD UNIVERSITY

Applications and nominations are invited for the position of chairperson of the Department of Biology, which will be established upon the merger of the existing Departments of Botany and Zoology on 1 July 1992. The new department will have 60 faculty members, approximately 1,500 undergraduate majors, and 340 graduate students. Candidates should have a distinguished record of consistent research productivity and extramural support, a commitment to graduate and undergraduate student development, and a record of successful leadership. Applicants interested in this opportunity should apply to:

Dr. Theodore A. Bremner
Chairman
Biology Search Committee
P.O. Box 1234
Administration Building
Howard University
Washington, DC 20059

Chairman, Department of Physiology
Georgetown University School of Medicine. The Georgetown University School of Medicine is seeking a new Chairman of the Department of Physiology. Candidates are expected to demonstrate the capacity for leadership of an active research program in molecular or cellular physiology and the ability to direct the teaching programs of the Department of Physiology which lead to M.S., M.D. and Ph.D. degrees. The Georgetown University Medical Center provides an excellent environment in basic and clinical research and its expanding programs provide an environment conducive to growth in physiology. Individuals interested in this opportunity should apply to:

Jeffrey Coisman, M.D.
Chairman, Physiology Search Committee
Georgetown University School of Medicine
3800 Reservoir Road, N.W.
Washington, D.C. 20007

Chairman, Georgetown University is an Equal Employment Opportunity/Affirmative Action Employer.

DIRECTOR, MICROSURGERY LABORATORY

The orthopaedic hand and microsurgery laboratory of the Medical Research Institute in San Francisco conducts research in limb preservation and transplantation. The funding of this position is independent of outside grants. Applicants should have a Ph.D. or extensive research experience in immunology or physiology. Inquiries should be addressed to Dr. Levinson, 2250 Webster Street, San Francisco, CA 94115. Telephone: 415-753-0222.

DIRECTOR, OFFICE OF SCIENTIFIC PUBLIC AFFAIRS
INSTITUTE OF FOOD TECHNOLOGISTS

The Institute of Food Technologists (IFT) is the 25,000-member society of food science and technology. The Director, Office of Scientific Public Affairs, is responsible for providing leadership, direction and coordination for IFT's public affairs activities. The individual should have a graduate degree in food science and technology or a related field. They should have demonstrated ability to provide accurate science-based information concerning issues involving food science and technology to media, governmental agencies and the general public. Major programs include: Regional Communication, the External Relations Panel and the Expert Panel on Food Safety and Nutrition. The director will work with IFT leadership and members to develop new scientific public affairs programs as needed to meet identified needs. The director will also oversee the development of a program to improve the visibility and credibility of IFT within the legislative and regulatory community in Washington.

Qualifications for this position include: Ph.D. in food science/technology or closely related area; experience in communication; ability to work with people; and demonstrated ability to work well in a team. The director will be responsible for providing direction and coordination for the activities of the Office of Scientific Public Affairs. This position is an exempt position.

IFT, an Equal Opportunity Employer, offers an attractive compensation and benefit package.

HERBARIUM CURATOR/INSTRUCTOR

A 12-month, recurring position in plant systems. The successful candidate will be responsible for curating the Oregon State University Herbarium, teaching a course in plant taxonomy and contributing to the introductory biology curriculum, and providing identification of plants as part of the University Extension Service. Ph.D. degree and expertise in herbarium curatorial practices are essential. To obtain application forms, please contact the Curator of Herbarium and Plantsystematics.

Deadline for applications is January 1, 1992.

Director, Office of Employment Opportunity/Affirmative Action Employer.

DIRECTOR, DEPARTMENT OF BIODIVERSITY
MICHIGAN STATE UNIVERSITY

The Director of the Department of Biodiversity is responsible for the development and direction of biodiversity research at the university. The department has a strong commitment to education and to the development of the infrastructure necessary for excellence in research and teaching. The department is composed of two major sections: the Herbarium of the University of Michigan and the Ecology and Evolutionary Biology Department.

The department offers a diverse range of opportunities for research in plant systematics, microbial ecology, and evolutionary biology. The department is committed to ensuring that its activities are responsive to the needs of the university, the state, and the nation.

Deadline for applications is January 1, 1992. All correspondence should be sent to:

Director, Department of Biodiversity
Michigan State University
East Lansing, MI 48824

SCIENCE, VOL. 253

The Swiss Federal Institute of Technology Zurich (ETHZ) invites applications for a FACULTY POSITION IN PLANT ECOLOGY

The chair is open to candidates with research experience in both plant ecology and plant physiology, i.e. the taxonomic plant units and their functions in specific ecosystems. An important research area is the monitoring of changes in plant community compositions due to environmental impacts.

Teaching duties focus on courses in plant ecology, geo-botany and plant systematics for students of environmental science and biology. The new professor is also responsible for the basic training in these subjects at other departments of the ETHZ.

Candidates must hold a university degree and have a successful record of research and teaching activities in these fields.

Please submit your application together with a detailed résumé and a list of publications to: President of ETHZ Zurich, Professor Dr. J. Nieuw, ETHZ Zentrum, CH-8092 Zurich, no later than 31 October 1991. In its effort to increase the number of women in academic top positions, the ETHZ specifically invites applications from women.

JUNIOR LEVEL POSITION
DEPARTMENT OF MOLECULAR BIOLOGY
PRINCETON UNIVERSITY

The Department of Molecular Biology at Princeton University invites applications for a junior level position of a biophysical scientist from investigators studying cell-cell communication. Areas of interest include cell surface-mediated signal transduction, cell-cell adhesion, or receptor interaction and signal transduction. Applications can be approached from a biological, biochemical, or immunological perspective. Candidates should have a Ph.D. degree and relevant postdoctoral experience. Candidates should send curriculum vitae, a summary of research interests, and the names of at least three references to:

Cell Interaction Search Committee
Department of Molecular Biology
Princeton University
Princeton, NJ 08544

Application deadline is 1 November 1991. Princeton University is an Equal Opportunity/Affirmative Action Employer.

University of California, San Diego. TENURED/TENURE-TRACK POSITION IN ORGANIC CHEMISTRY. The Chemistry Department of the University of California, San Diego invites applications for a tenure-track position at the level of associate professor. Candidates at all levels are encouraged to apply. Open position subject to availability of funds. All applications received by 15 November 1991 will be given thorough consideration. Submit curriculum vitae, a statement of research interests, and the names and addresses of three references to: Chair, Organic Chemistry Search Committee, University of California, San Diego, Department of Chemistry-0321, 9500 Gilman Drive, La Jolla, CA 92039-0321. The University of California is an Equal Opportunity/Affirmative Action Employer.

JUNIOR LEVEL POSITION
DEPARTMENT OF GEOLOGY
PRINCETON UNIVERSITY

The Department of Molecular Biology at Princeton University invites applications for a junior level position from investigators who use Archeaspora as an experimental model. Applicants must have a Ph.D. degree and experience in research on Archeaspora, but should not be restricted to genetics, molecular genetics, development biology, or genome analysis. Candidates should have a Ph.D. degree and at least one year of experience with Archeaspora molecular genetics. Applicants should send curriculum vitae, a summary of research interests, and the names of at least three references to:

Abadopoulos Search Committee
Department of Molecular Biology
Princeton University
Princeton, NJ 08544

Application deadline is 1 November 1991. Princeton University is an Equal Opportunity/Affirmative Action Employer.

Deputy Associate Director. Geriatric Research Education and Clinical Center (GRECC), American Lake Veterans Affairs Medical Center (VAMC), Tacoma, Washington. Senior academic physician-investigator with expertise and experience in clinical or basic aspects of neuroscience to direct Ameri- can Lake VA research and development of American Lake VAMC GRECC. Attractive opportunity to expand research and clinical programs in geriatric psychi- atry, geriatric medicine, and neuroendocrinology. Cur- rent research programs are related to neurobiology of dementia, neuroendocrinology of aging, and neuuropep- tide biosyntheses and processing. Research academic appointment in appropriate department at University of Washington School of Medicine. Academic rank. Salary and terms negotiable. Reply to: Daniel Doris, M.D., Associate Director, GRECC (182B), Seattle VAMC, 1660 South Columbian Way, Seattle, WA 98108. An Equal Opportunity Employer.

Director, Office of Scientific Public Affairs
Institute of Food Technologists

The Institute of Food Technologists (IFT) is the 25,000-member society of food science and technology. The Director, Office of Scientific Public Affairs, is responsible for providing leadership, direction and coordination for IFT's public affairs activities. The individual should have a graduate degree in food science and technology or a related field. They should have demonstrated ability to provide accurate science-based information concerning issues involving food science and technology to media, governmental agencies and the general public. Major programs include: Regional Communication, the External Relations Panel and the Expert Panel on Food Safety and Nutrition. The director will work with IFT leadership and members to develop new scientific public affairs programs as needed to meet identified needs. The director will also oversee the development of a program to improve the visibility and credibility of IFT within the legislative and regulatory community in Washington.

Qualifications for this position include: Ph.D. in food science/technology or closely related area; experience in communication; ability to work with people; and demonstrated ability to work well in a team. The director will be responsible for providing direction and coordination for the activities of the Office of Scientific Public Affairs. This position is an exempt position.

IFT, an Equal Opportunity Employer, offers an attractive compensation and benefit package.
Biochemistry Research Biologist

Searle, a worldwide leader in the pharmaceutical industry, has an immediate opening for an experienced laboratory professional to work in the Department of Cardiovascular Diseases Research in St. Louis, Missouri. The individual will participate in basic and applied research programs directed toward the discovery of novel cardiovascular therapeutic agents.

The successful candidate should have a BS/MS in Biochemistry, Pharmacology or a related discipline with a minimum of 2 years of laboratory experience. Requirements include proficiency in assay development and experience in several of the following areas: receptor binding methodology, immunoassays, enzyme assays, cell culture and column chromatography. Strong communication skills are necessary.

Searle, a wholly owned subsidiary of Monsanto Company, offers a competitive salary and benefits plan. Qualified candidates should send a resume, in confidence, to:

"Research Biologist"; Attn: K. Bumgarner - BB4E; SEARLE; 700 Chesterfield Village Parkway; St. Louis, MO 63198. An Equal Opportunity Employer.

We'll Help You Build A New Lab

Let the free Science product information service put you in touch with the vendors whose products you will need.

Simply write us a letter stating the specifics about your proposed lab and the instruments and supplies you need. We will do the rest. Write to:

SCIENCE Magazine
New Lab Service Department
1515 Broadway
New York, NY 10036

Biomolecular Discovery

SmithKline Beecham Pharmaceuticals, a leader in innovative pharmaceutical research, has an opening for a Postdoctoral Scientist to participate in the discovery of novel antineoplastic agents utilizing specific mechanism-based screens for natural products from marine organisms, terrestrial plants and microbial sources. The successful candidate will be involved in devising novel screens to selectively identify inhibitors of targets relevant to the growth and progression of neoplastic cells. Targets of current interest include recombination pathways involved in DNA damage repair and signal transduction pathways involved in growth regulation. In addition, the successful candidate will collaborate closely with other scientists in the group identifying lead compounds from screening natural product extracts in mechanism-based screens and will have responsibility for biochemical characterization of lead compounds that are discovered.

Requirements include a Ph.D. in Biochemistry, Pharmacology, Molecular Biology or a related field with 0-2 years of postdoctoral research experience. Skills in yeast genetics are highly desirable since many of the assay methods involve construction of specific yeast mutants. Demonstrated productivity as evidenced by publications in the scientific literature is required.

Our state-of-the-art research facility is located in suburban Philadelphia, near Valley Forge, PA. SmithKline Beecham Pharmaceuticals provides a stimulating and challenging work environment based on creativity, commitment and teamwork. We offer an attractive compensation/benefits/relocation package. For confidential consideration, please send your C.V. and the names of three references to: Nancy Hasson, H1013, SmithKline Beecham Pharmaceuticals, P.O. Box 1530, King of Prussia, PA 19406-0910. We are an Equal Opportunity Employer, M/F/H/V.

RADIATION EFFECTS RESEARCH FOUNDATION
HIROSHIMA AND NAGASAKI, JAPAN

Editor/Publication Coordinator

The U.S. National Academy of Sciences (NAS) is seeking an editor/publication coordinator to work at the Radiation Effects Research Foundation (RERF) in Hiroshima, Japan. The RERF, a binational foundation equally funded by the governments of Japan and the United States, and equally managed by representatives of the two countries, conducts research on the health of survivors of the atomic bombings of Hiroshima and Nagasaki. Research includes studies in medicine, pathology, and biostatistics, molecular biology, and cyto genetics, resulting in 25-40 technical reports each year drafted in English by U.S. and Japanese scientists, and produced in-house via DTP technology. The publication coordinator is the primary copy editor and production/layout coordinator for the Foundation's English-language publications. Interacts with authors during manuscript peer review. Maintains timeliness of publication process. Edits biomedical manuscripts to meet the in-house style and requirements of major scientific journals. Assists in writing and producing quarterly international newsletter. Assists in ongoing activities related to computerized manuscript tracking and online retrieval of the Foundation's 40-year collection of publications. Requires 5 or more years' experience as a writer/editor in the health sciences and knowledge of production coordination; basic computer literacy emphasizing the practical aspects of desktop publishing (word processing, file compatibility, graphics formats); ability to work under deadline pressure. Willingness to learn basic Japanese verbal skills. Salaries are commensurate with experience and are supplemented by relocation, housing, cost-of-living, and home-leave benefits. Tuition at international schools is provided for dependent children through high school age. Individuals who work in Japan are employees of NAS and RERF.

Typical appointments are for two years. Please send resume and the name, address, and FAX number (if available) of three references in confidence to: NR/C/RERF, NAS 342 (CB), 2101 Constitution Avenue, NW, Washington, DC 20418. EOE.

POSTDOCTORAL SCIENTIST

GROWTH FACTOR DISCOVERY

SmithKline Beecham Pharmaceuticals, a leader in innovative pharmaceutical research, has an opening for a Postdoctoral Scientist to participate in the discovery of novel antineoplastic agents utilizing specific mechanism-based screens for natural products from marine organisms, terrestrial plants and microbial sources. The successful candidate will be involved in devising novel screens to selectively identify inhibitors of targets relevant to the growth and progression of neoplastic cells. Targets of current interest include recombination pathways involved in DNA damage repair and signal transduction pathways involved in growth regulation. In addition, the successful candidate will collaborate closely with other scientists in the group identifying lead compounds from screening natural product extracts in mechanism-based screens and will have responsibility for biochemical characterization of lead compounds that are discovered.

Requirements include a Ph.D. in Biochemistry, Pharmacology, Molecular Biology or a related field with 0-2 years of postdoctoral research experience. Skills in yeast genetics are highly desirable since many of the assay methods involve construction of specific yeast mutants. Demonstrated productivity as evidenced by publications in the scientific literature is required.

Our state-of-the-art research facility is located in suburban Philadelphia, near Valley Forge, PA. SmithKline Beecham Pharmaceuticals provides a stimulating and challenging work environment based on creativity, commitment and teamwork. We offer an attractive compensation/benefits/relocation package. For confidential consideration, please send your C.V. and the names of three references to: Nancy Hasson, H1013, SmithKline Beecham Pharmaceuticals, P.O. Box 1530, King of Prussia, PA 19406-0910. We are an Equal Opportunity Employer, M/F/H/V.
ASSOCIATE SCIENTIST POSITION

Position available for Associate Scientist (three years post-doctoral experience) and/or postdoctoral fellow. The successful applicant will be engaged in research on bio-chemical and molecular mechanisms by which angiotensin peptides and other hormonal and pharmacological stimuli mediate cardiac muscle cell growth. There will also be the opportunity to engage in research defining the role of a localized intracellular renin-angiotensin system in mediating cardiac muscle cell growth, with an emphasis on the regulation of the precursor genes for this system.

Competitive salary and fringe benefits are available. Please send CV and three letters of reference to: Dr. Kenneth M. Baker, Weis Center for Research, Geisinger Clinic, North Academy Avenue, Danville, PA 17822-2611.

Equal opportunity employer MF/HV.

NEUROETHOLOGIST

National Institute of Mental Health

Inttramural Research Program

The NIMH is now accepting applications for the position of head, Unit on Neuroethology within the Laboratory of Neuropysiology. Applicants must hold a doctoral degree in a related field and be interested in joining an established research program that includes behavioral neuropsychology, developmental, and functional neuroanatomy, and developmental biology. The successful candidate should be considered for a position with the laboratory's research on the role of the insular cortex in the processing of auditory information.

The laboratory is located at the NIH Animal Center in a rural setting approximately 30 miles west of the NIH Bethesda campus near the town of Poolesville, Maryland. Researchers in any aspect of neuroethology will be considered, but those concentrating on vertebrate central nervous systems are especially encouraged to apply. Excellent facilities exist for mammalian neuroethology, including primate research. Tenure status and salary will depend upon the successful candidate's experience and research credentials. Salary ranges from approximately $35,000 to $79,500 (plus full Federal benefits), depending on the length of experience and appointment mechanism. Send C.V. bibliography, a statement of future research plans and three letters of reference to:

Steven P. Wise, Ph.D., Chief Laboratory of Neuropsychology National Institute of Mental Health 2850 E. Belcrest P.O. Box 8087 Poolesville, MD 20837

NIMH is an Equal Opportunity Employer.
BIOANALYTICAL STAFF POSITION

The Procter & Gamble Company has an immediate entry-level opening for a Ph.D. bioanalytical chemist at its Miami Valley Laboratories in Cincinnati, Ohio. The degree may be in either analytical or biochemistry. The project will involve the development and validation of methods to analyze pharmaceuticals in a variety of matrices with special emphasis on ultra-trace measurements in biological fluids. The position requires experience in methods development using a variety of techniques, instrumentation (HPLC, GC/MS) and immunoassays. Strong consideration will be given to applicants with experience in the characterization of biomolecules (proteins, peptides). An understanding of GLP/GMP systems, strong problem-solving skills, the ability to set and achieve goals, good communication and teamwork skills are also desired.

Besides offering a stimulating environment for professional and personal growth, we offer a fringe benefit package (medical, dental, profit sharing) that ranks in the top 5% of U.S. corporations.

Candidates must be currently authorized to work in the U.S. on a full-time basis. Resumes, with a list of publications, should be sent to:

Dr. N. Gary Howell, Manager Ph.D. Recruiting Bioanalytical Research Position Dept. LC The Procter & Gamble Company P.O. Box 398707 Cincinnati, OH 45239-8707

An Equal Opportunity Employer.
UNIVERSITY OF LEICESTER
DEPARTMENT OF ZOOLOGY
MOLECULAR POPULATION GENETICS
OF AMPHIBIANS

A POSTDOCTORAL POSITION is available for a period of 1 year for studies on genetic differentiation among populations of a species. The research involves the isolation of polymorphic minisatellite probes for use in single locus DNA fingerprinting, and possibly PCR analysis of mRNA and microsatellite loci. Applicants should have experience of population or molecular biology, and should be keen to learn and apply new techniques. Salary on the RAE scale of £21,569 to £21,997 (April 1991 Interim Scales). Apply immediately with curriculum vitae and the names of two academic referees to: Dr. T. A. Burke, Zoology Department, University of Leicester, 7Rv, UK. Tel: 0533 523351. Fax: 0533 523380.

POSTDOCTORAL ASSOCIATE. Position available immediately to study the regulation of protein ubiquitination. Experience in either biochemistry or yeast genetics desired. Send curriculum vitae and three letters of reference to: Dr. David K. Gonda, Department of Molecular and Cell Biology, Developmental Biology, School of Medicine, 333 Cedar Street, P.O. Box 3333, New Haven, CT 06510. An Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIPS IN VECTORY BIOLGICAL

The Center for Insect Science, through a grant from the John D. and Catherine T. McArthur Foundation, is offering fellowships to study various aspects of vector biology. Ongoing research projects, mostly on mosquitoes, involve the biochemistry and pharmacology of saliva, biochemistry and molecular biology of gut enzymes, the molecular basis to lipid and iron transport, hormonal control of development and oogenesis, and the search for effective molecular transformation tools in mosquitoes. The Center for Insect Science includes over 60 research laboratories including those of Biochemistry, Vector Biology, Evolutionary Biology, Entomology, Molecular and Cellular Biology, Neurobiology, Pharmaceutical Science and Veterinary Science at the University of Arizona in Tucson, the USDA-ARS Carl Hayden Bee Research Center in Tucson, and the Department of Zoology at Arizona State University in Tempe. Appointments are for 2 years, depend- ing on availability of funds and satisfactory performance. In addition to a stipend, fellows receive funds to support their research and are expected to develop independent and collaborative research programs. Applicants should send an introductory cover letter with statement of research interests, curriculum vitae, evidence of academic background and degrees earned, and three letters of recommendation to: Dr. Henry Hagedorn, Director, Center for Insect Science, 430 Forbes Building, University of Arizona, Tucson, AZ 85721. Applications will be accepted until 1 November 1991 and continue until positions are filled. Applications from women and members of minority groups are encouraged. The University of Arizona is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP IN DEPARTMENT OF DERMATOLOGY


A position is available for a POSTDOCTORAL FELLOW to work on molecular genetic analysis of parvovirus DNA replication and gene expression. Background in molecular biology and experience in recombinant DNA technology are required. The position is available immediately. Please send curriculum vitae and references to: Dr. Emmett A. Faust, Department of Biochemistry, S& Charles Tupper Medical Building, Dalhousie University, Halifax, Nova Scotia, B3H 3J7, Canada. Telephone: 902-494-8899, Fax: 902-494-1355.

POSTDOCTORAL FELLOWSHIP FOX CHASE CANCER CENTER

Research involves the study of molecular mechanisms of antitumor agent action in colon tumors. Familiarity with methods of molecular biology preferred. Submit curriculum vitae and letters of reference to: Dr. Peter A. O'Dwyer, c/o Personnel Representative, Fox Chase Cancer Center, 7701 Burholme Avenue, Phila- delphia, PA 19111. Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE. Position is open for experimental and/or theoretical work on the conformation of nucleic acids. Salary $25,000. Please send curriculum vitae with names and telephone numbers of references, as well as three letters of recommendation to: W. Curtis Johnson, Biochem- istry/Biophysics, Oregon State University (OSU), Corvallis, OR 97331-6503. No decision before 30 October 1991, but closing may be extended. OSU is an Affirmative Action/Equal Opportunity Employer, and is responsive to dual-career couples.

RESEARCH ASSOCIATE. To conduct independent research in the area of control analysis and manipu- lation of carbohydrate metabolism in rice plants. This will involve introducing cloned genes with different catalytic and regulatory properties into transgenic rice plants and then mathematically analyzing the effects on metabolite levels and the flux through key steps in carbohydrate metabolism. Will supervise graduate stu- dents and technicians and also write research reports and grant proposals. Salary: $27,000 per year, 40 hours per week. Requires Ph.D. in biochemistry and 3 years of relevant experience. Knowledge of carbohydrate and mathematical analysis of chemical processes. Apply at the Texas Employment Commission, Bryan, Texas, or send resume to: Texas Employment Commission, P.O. Box 5735, TEC Building, Austin, TX 78774, Job Order #6521421. Ad paid for by an Equal Employment Opportunity Employer.

RESEARCH ASSOCIATE. Position available for a recently graduated Ph.D. to develop new methods for culture of mammalian preimplantation embryo with em- phasis on blastocyst. The work has NIH support for the next 5 years. Experience in embryo culture desired, some knowledge of cell physiology and interest in advanced experimental design preferred. For consideration please send curriculum vitae to: Dr. John D. Biggers, Harvard Medical School, Laboratory of Human Reproduction and Reproductive Biology, 45 Shattuck Street, Boston, MA 02115.

RESEARCH SCIENTIST T-CV SURGERY

Faculty position for M.D. or Ph.D. to develop and direct research laboratory dedicated to a broad range of problems in the area of AIDS. Preclinical and clinical expertise and experience in working relationship with group of academic surgeons, whose research interests include: animal models of complex congenital heart disease, myocardial protection, ventilatory assist devices, skeletal muscle, cardiac assist, and cardiac and pulmonary transplantation. Requires strong background in cardiovascular physiology and experience with small and large animals. Inquiries with curriculum vitae and name of three references to: Chairman, Dep- artment of Surgery, University of Louisville, Louisi- ville, KY 40292. An Affirmative Action/Equal Opportunity Employer. Cut off date is 4 October 1991.

RESEARCH ASSOCIATE for State University in northeastern Ohio. Complex research pertaining to three-dimensional real part synthesis via stereolithography of photoinitiating monomers; and design and synthesis of new photoinitiators for visible wavelength laser photoinitiator; and performs development of synthetic methodology and evaluation of photochemical reactions utilizing the following research techniques: Fourier transform/nuclear magnetic reso- nance spectrum (FT/NMR), Fourier transform/infrared spectrum (FT/IR), ultraviolet spectrophotometry, gas chromatography/mass spectrum (GC/MS), gas-liquid chroma- tography (GLC), and thin-layer chromatography. Salary and other benefits required. Doctoral dissertation to pertain to the synthesis or complicated poly cyclic and heterocyclic products utilizing the research techniques specified in the job duties. Forty hours per week, 8:00 a.m. to 5:00 p.m. Monday to Friday. $22,600 per year. Must have proof of legal authority to work permanently in the United States. Send resume in duplicate (no calls) to: S. Holton, JOB #1282069, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.

Private university in northeastern Ohio seeking techni- cian, RESEARCH ASSISTANT II to assist in re- search project investigating genetic changes in childhood tumors. Will process human tumor samples, and assist in cancer registration. Must be able to work with hazardous chemicals, radioactive materials, and pathogenic substances. Coursework in medical sciences required, partic- ularly histology, pathology, and knowledge of medical terminology related to pediatric tumors. Salary: $21,356 per annum, 37 1/2 hours per week, 8:30 a.m. to 5:00 p.m. Monday to Friday. Position requires bachelor's degree in medical science with 2 years of experience in immunoprecipitation and protein elec- trophoresis, deoxynucleoside acid purification, enzyme- linked immunosorbent assays, and immunization of lab- oratory animals and maintenance of tissue culture facility, including hybridoma cultivation, or master's degree in medical sciences no experience required. Must have proof of legal authority to work permanently in the United States. Send curriculum vitae with list of publications, names of two recent professional references and copies of academic transcripts documenting required training, in dupli- cate (no calls) to: G. Maugans, J.O., #1255772, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.

OPTOELECTRONIC SYSTEMS ENGINEER- ING SCIENTIST. Will perform research in the field of optoelectronics, particularly in the development of optical and electronic systems through white light interferometers that are being devised for the vision portions of robots. Will be responsible for designing novel system concepts and developing the necessary research instruments in order to demonstrate or prove these concepts. Will work on the development of compact vision systems that operate in real time on the I/O node continuously. Must have experience with up-to-date developments in both optical and digital APR research. Must possess a Ph.D. in optoelectronics sciences. Must have 3 years of experience in the job offered or 5 years as experience of optical design engineer. Must possess prog- en research ability in the field of optical systems as evidenced by research publications in refereed journals. Must be able to use computer software. Five-day, 40-hour week, $48,000 per year. Apply with résumé to: New York State Department of Labor, 140 West Main Street, Utica, NY 13501. Attention: P. Shaughnessy. Refer to: NY0502707. Equal Opportunity Employer, M/F.

University of Wisconsin-Madison. The Department of Psychiatry is seeking an experienced PSYCHIA- TRIST for an academically oriented tenure-track posi- tion in the area of geropsychiatry. Individual would be expected to contribute to both research and teaching, involving either basic or clinical research and would be important in the organization and ongoing development of the Division of Geriatric Psychiatry. Experience will be involved in the teaching of residents and medical stu- dents and expected to obtain outside grant support for research. Send curriculum vitae and letter of inter- est to: Dr. Ned Kalin, Chairman, Department of Psychiatry—DG/249B, University of Wisconsin Medical School, 600 John Hartford Blvd., Highland Park, WI 53292. The University of Wisconsin is an Equal Opportunity/ Affirmative Action Employer.
A dynamic young company is seeking chemists and a pharmacologist to join our drug discovery and development efforts.

**Senior Chemist (Ph.D. 3+ yrs.):** Medicinal/synthetic organic chemist with experience in synthesis of novel compounds, HPLC, NMR, MS required. Fluorescence, protein, and peptide chemistry a plus. Successful candidate will interact with pharmacology department.

**Three Technical Positions: (BS or MS 1+ yrs.):**
1. **First and Second Positions:** Technical support for the chemistry program described above. Experience in drug synthesis, HPLC, NMR, and MS required. Second position also requires protein/peptide chemistry experience.
2. **Third Position:** Perform biochemical and pharmacological receptor binding studies, HPLC, spectrofluorimetry, autoradiography and behavioral experience a plus.

Company located in Southern Westchester County, New York. Salary commensurate with experience, attractive benefit program. Please send resume to:

Pharmaceutical Discovery Corporation
7 Westchester Plaza
Elmsford, NY 10523

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**Director of Animal Resources**

**University of Florida**

The University of Florida invites applications and nominations for a tenured position as Director of the University of Florida campus-wide program in laboratory animal resources. Letters of application or nomination should include a curriculum vitae outlining academic training, teaching, administrative and present professional activities. The application should include a list of publications, statement of professional goals and names of 3 or more persons who can provide letters of reference.

Academic rank and salary will be commensurate with training and experience of the successful candidate. The Director of Animal Resources serves as the University of Florida attending veterinarian. The Director shall:

**I. Direct** the operation of the laboratory animal care program for the University in accordance with AAALAC standards for accreditation.

**II. Insure** the provision of adequate veterinary care for all University-owned animals as required by federal regulations and guidelines.

**III. Advise** the University administration on all matters affecting compliance with the regulations implementing the Animal Welfare Act, the Public Health Service Policy, the NIH Guide for the Care and Use of Laboratory Animals, and any state or local ordinances.

**IV. Serve** as a member of the Institutional Animal Care and Use Committee with the additional responsibility of advising the Committee on the interpretation and application of federal regulations, standards and guidelines.

**V. Assure** the implementation and maintenance of current animal care technology most conducive to excellent research within reasonable costs and with minimal administrative impediment.

**VI. Develop** and direct academic training programs in laboratory animal medicine and science. This includes residency training for graduate veterinarians leading to board certification, basic and clinical instruction for undergraduate veterinary students, graduate programs in collaboration with appropriate academic departments, instruction of research faculty and staff, and programs for animal caretakers leading to AALAS technician certification.

Qualifications for the position include a DVM or equivalent degree and board certification in the American College of Laboratory Animal Medicine. A doctoral degree (Ph.D. or equivalent) is preferred. An established record of excellence in veterinary, graduate or postdoctoral training is required. A commitment to excellence in academic service programs is essential.

Applicants or nominees should be eligible for appointment to tenure rank and membership in the Graduate Doctoral Research Faculty of the University of Florida. A detailed duties job description is available upon request.

**Application deadline is November 15, 1991.**

Contact: Dr. Richard E. Diers, Search Committee Chairperson,
College of Veterinary Medicine, University of Florida,
P.O. Box 100125, Gainesville, FL 32610-0125.

The University of Florida is an affirmative action/equal opportunity employer.

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**Research Fellowships**

Two postdoctoral positions are available to pursue basic research projects in vascular cell biology in the Department of Health Sciences, Monsanto Corporate Research. A strong molecular biology background is preferred.

The laboratories in Health Sciences offer a unique postdoctoral opportunity that combines an academic atmosphere within an industrial setting. Research in this department is multi-disciplinary, with emphasis on the control of vascular diseases such as atherosclerosis through the use of state-of-the-art molecular biology, cell biology, and biochemistry. Publication is expected (for example, see Science 246, 1309-1312). Collaboration with experts throughout Monsanto and local universities is encouraged.

Monsanto Company makes/markets high value chemical and agricultural products, pharmaceuticals, low-calorie sweeteners, fat substitutes, industrial process equipment, man-made fibers, plastics and other performance materials. Please send C.V., letter of research interests and the names of three references to: Ms. Tammy Skalton; Supervisor, Human Resources; Monsanto Company; Mall Zone 02H; 800 N. Lindbergh Blvd.; St. Louis, MO 63167. Monsanto Company is an Equal Opportunity Employer M/F/H/V.

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**Monsanto**

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**SCIENTIST/PROJECT LEADER**

Baxter Diagnostics Inc., a leader in supplying diagnostic reagents, is undertaking an expansion in the clinical laboratory controls group. We currently have an opportunity to join us in this research and development position.

The successful candidate will have a Ph.D. in biochemistry or relevant equivalent experience and expertise in the area of protein/enzyme purification, characterization and stabilization. The individual must have demonstrated ability to effectively supervise and provide leadership for successful product development projects. Experience in the fields of protein, enzyme and drug stabilization is desired. The successful candidate will also establish and lead a group in the development of novel liquid stable products for use in the clinical laboratory.

We offer an excellent scientific environment supported by a highly competitive salary and complete benefits package. Please send your resume in confidence to: Baxter Diagnostics Inc., Research and Development MS 384, P.O. Box 520672, Miami, FL 33152-0672. Equal Opportunity Employer. We Conduct Pre-Employment Drug Screening.

Baxter Diagnostics Inc.
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Abbott offers a competitive compensation and benefit package, including profit sharing and a stock retirement plan. We are located in an attractive suburban setting just 30 miles north of Chicago. For consideration, please send a resume to: Ann Ribbens, Corporate Placement, Abbott Laboratories, One Abbott Park Rd., Abbott Park, IL 60064. (To facilitate the handling of your resume, please indicate the appropriate Job # on your resume or cover letter). Abbott is an Affirmative Action Employer/Smoke-Free Environment.

RESEARCH — PALO ALTO, CALIFORNIA

Biophysicist/Biochemist Investigate the role of changes in protein conformation on the binding of peptide ligands by MHC class II proteins, in order to characterize the different conformers, and understand the factors involved in their interconversion.

Requirements: Ph.D. in Biophysics, Biochemistry or Chemistry, and at least 2 years' relevant postdoctoral training, with experience in protein chemistry. A background in computer-assisted molecular modeling is highly desirable.

Organic Chemist Investigate the structural requirements for MHC class II antigen binding via the design and synthesis of peptides and peptidomimetics.

Requirements: We prefer a Ph.D. in Organic Chemistry with a strong record of achievement, but we are open to a wide range of backgrounds and qualifications. Experience with computer-assisted molecular modeling and medicinal chemistry techniques is desirable.

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A Ph.D. or D.V.M. and comprehensive knowledge of general toxicology is required. Demonstrated expertise/scientific leadership in investigative immunotoxicology and toxicologic evaluation of diagnostic imaging agents is desirable. The position requires at least 7 years of pertinent laboratory experience beyond the advanced degree and 2 years' experience in a research management position. Position code RS-61-91.

Research Investigator, Toxicology

The Research Investigator will report to the Assistant Research Director and will participate on Discovery Imaging project teams regarding toxicologic evaluation of new agents and serve as Study Director. The individual will also have the opportunity to conduct investigative toxicologic studies in support of imaging agents and particulate substances.

A Ph.D. or D.V.M. in toxicology or related discipline plus postdoctoral research experience are required. Expertise in the toxicology of imaging agents and particulate substances is desirable. Position code RS-68-91.

You will discover that we offer a competitive salary and benefits package along with outstanding career opportunities. Sterling Research Group will be relocating to Upper Providence Township, Pennsylvania, in approximately 1993, and invites you to share in the opportunities now and in the future. Please send resume to: Sterling Research Group, 81 Columbia Turnpike, Rensselaer, New York 12144. An Equal Opportunity Employer M/F/DV.

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POSTDOCTORAL FELLOW IN MOLECULAR AND TOXICOLOGY
University of Pittsburgh

The Department of Environmental and Occupational Health in the University of Pittsburgh's Graduate School of Public Health is seeking a postdoctoral fellow with experience in molecular biology and/or cell culture to study genetic changes in human cells and in humans. Our current research involves development and application of new technology to study the biochemical mechanisms of environmental carcinogens in human cells. Position is available October 1, 1991. Send curriculum vitae and names of references to:

Dr. P. Koehavong, Department of Environmental and Occupational Health, Graduate School of Public Health, University of Pittsburgh, 130 DeSoto Street, Pittsburgh, PA 15261.

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POSITIONS OPEN

ECOLOGIST

Argonne National Laboratory has an opening for an ecologist to conduct environmental assessments and research pertinent to a variety of energy-related projects. Experience or training at either the population, community, or ecosystem level of organization is acceptable. A Ph.D. in terrestrial ecology is required. Strong writing, computational, and statistical skills are also necessary. You will have an excellent salary commensurate with your background, as well as a comprehensive benefits plan. For more information, please send a detailed resume and a statement of research interests, by 1 October 1991, to: Susan Walker, Employment and Placement, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439. Argonne is an Equal Opportunity/Affirmative action Employer.

MICROBIOLOGIST/MODELER, ASCI Corporation is seeking microbiologists/modelers to develop conceptual models of bacterial degradation of spilled oil and assist in experimental and process design for bioremediation of PAH- and PCB-contaminated sediments. Doctoral degree in civil or environmental engineering is preferred and ability to formulate mathematical models for microbial processes and integrate experimental data. Send letter of interest and curriculum vitae to: Ms. Desiree Hassan, ASCI Corporation, 987 Gaines School Road, Athens, GA 30605.

RESEARCH ENTOMOLOGIST/MYCOLOGIST, Fungal Pathogens of Arthropods...

UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL RESEARCH SERVICE (USDA/ARS)

NORTH ATLANTIC AREA—ITHACA, NEW YORK

The USDA/ARS Plant Protection Research Unit is seeking an individual to join a group focusing on the development of fungal pathogens for biological control of arthropods. The successful applicant will conduct research on biotic and abiotic factors affecting infection, host specificity, host resistance, disease development, and host mortality by fungal entomopathogens as part of a research team developing microbial biocontrols. Requirements include a Ph.D. or equivalent professional experience with skills in organismal, developmental biology, molecular and biochemical aspects of invertebrate pathogenesis, and mycology. Salary is commensurate with experience, GS 12-14 ($37,294 to $52,400). For further information, contact: Dr. Donna Gibson, 607-256-1271, or Dr. Richard Humber, 607-256-1275. For information on application procedures and contact: Amy Hegarty, 607-256-1276.

BIOMEDICAL RESEARCH ASSOCIATE. Design and implement experiments on receptors of various hormone peptides affecting animals and humans; perform emission assays, cross-linking experiments and autoradiography; Northern blots; Scatchard analysis; perform histological techniques; statistical analysis to produce reports setting forth experimental results, and comments on their significance. Required: M.D. or Ph.D. in physiology, expertise in: computerized image analysis of tissue sections, autoradiography, experiment design, small animal surgery, specimen collection and preservation, tissue cryosectioning, emission assays, cross-linking, Scatchard analysis, histological techniques, report-production. Salary: $29,000 per year; 40 hours per week, 9:00 a.m. to 5:00 p.m. To apply: mail two copies of resume with job title US 150 and JO #970 to: DOES, 500 C Street, N.W. Room 325, Washington, DC 20001. Telephone: 202-724-3770. Proof of legal right to work in the United States must be provided.

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BIOMEDICAL RESEARCH ENGINEER for institution in northeastern clinical research involving data analysis, medical imaging processing, and design of algorithms and parameters for the measurement and detection of the distribution of retinal abnormalities. This position requires a background in mathematics and/or computer science. Experience in image acquisition, storage, and retrieval in medicine is essential. Pursue the development of new techniques and methodologies for the detection of retinal abnormalities. Requires a Ph.D. in biomedical engineering or computer science. Salary is commensurate with experience. For more information, please send a detailed resume and a statement of research interests, by 1 October 1991, to: Susan Walker, Employment and Placement, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439. Argonne is an Equal Opportunity/Affirmative action Employer.

FISHERY BIOLOGIST/FISH ECLOGIST

The South Florida Research Center (SFRC), a research and resource management organization within Everglades National Park, seeks a fish ecologist to fill an opening for a fish ecologist position. SFRC staff conduct research on the hydrology, wildlife biology, vegetation dynamics and marine ecology of the Everglades ecosystem. This is a permanent research grade evaluation position; salary will be commensurate with professional standing. The applicant should have an advanced degree in fishery science and/or fish ecology with demonstrated interest and academic scholarship in specialty area. The incumbent will direct an ongoing gamefish-harvest monitoring project and conduct a large program of research into the ecology of marine fishes in the park. For information applications should contact: Dr. Michael Robles, South Florida Research Center, P.O. Box 279, Homestead, FL 33030, or telephone 305-242-7824. An Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.

MOLECULAR BIOLOGIST. Position available in Dr. J. Davies Smith's laboratory to identify regulatory mechanisms involved in modulating expression of the fatty acid synthase gene in response to dietary, developmental and hormonal conditions. Experience in gene transcription necessary. Ph.D. required. Submit resume to: Children's Hospital Oakland, Personnel Department, 747 52nd Street, Oakland, CA 94609. Equal Opportunity Employer.

SOLID-STATE DEVICE PHYSICIST

Supervise the design and construction of apparatus for characterization and testing of solid-state image sensors. This equipment utilizes both analog and digital electronics as well as optical, mechanical and cryogenic components, and is controlled by computer for automated data acquisition and analysis. Perform the characterization and testing of these image sensors which involves design of experiments and analysis of data requiring device modeling and stimulation. Provide information to users of the devices, the design community and device fabrication engineers. This position requires a Ph.D. degree in solid-state physics with 4 years of experience in job offered or as a conditioned matter physics physicist. The 4 years of experience must include work in high vacuum and cryogenic experimental techniques, 4 years of experience in computer and controlled data acquisition, modeling and analysis. Also must have working knowledge of digital and analog electronics and 2 years in optical techniques and 1 year of experience in ellipsometric techniques. Experience can be obtained concurrently and during graduate study. Salary: $53,000 per year. Send resume to: P. Shaughnessy, Job Service, 140 West Main Street, Rochester, NY 14614. Refer to: NT0500950.

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**POr**

**POSITIONS OPEN**

**BIOSTATISTICIAN**

To develop statistical techniques for analysis of Human Event Related Brain Potential including dipole localization and topographic analyses. A Ph.D. is required for faculty appointment. Knowledge of nonlinear optimization techniques as well as UNIX quite essential. Send résumé to:

Dr. Henri Begleiter
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**MOLECULAR BIOLOGIST.** We are looking for an individual with experience in molecular biology techniques including in situ hybridization, Northern blotting and PCR. The research involves demonstration of the role of cytokines (IFN-gamma, IL-6, TNF-a) and steroids in human endometrium. Please call Dr. Tabibzadeh at 813-799-7237 or write to: S. Tabibzadeh, M.D., Department of Pathology, Moffitt Cancer Center at the University of South Florida, Tampa, FL 33612.

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Somatix Therapy Corporation is a leading biotechnology company utilizing gene transfer and cellular transplantation technologies to develop cell-based protein delivery systems for human therapeutics. Positions are available immediately for highly motivated and qualified individuals.

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**RESEARCH SCIENTIST (CELL BIOLOGY):** Position requires experience studying the role of extracellular matrices, cell-cell interactions and/or cell adhesion molecules in mammalian cell growth and differentiation. Ph.D. plus postdoctoral experience required.

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**SENIOR LEVEL POSITION**

**DEPARTMENT OF MOLECULAR BIOLOGY**

**PRINCETON UNIVERSITY**

The Department of Molecular Biology at Princeton University invites applications for a senior position in immunology, neurobiology, or biochemistry. Applicants should send curriculum vitae, a summary of research interests, and the names of at least three references to:

Department of Molecular Biology
Princeton University
Princeton, NJ 08544

Application deadline is 1 December 1991. Princeton University is an Equal Opportunity/Affirmative Action Employer.

**SENIOR RESEARCH ASSOCIATE, Department of Pathology, for private university in northeastern Ohio.** Design, execution and interpretation of biochemical experiments to elucidate the role of the Maillard reaction in the pathogenesis of cataracts in animal and human lenses. Utilizing analytical techniques including protein isolation and purification, electrophoresis, immunoblotting, enzyme-linked immunosorbent assay, gel filtration, ion exchange, high-performance liquid chromatography and paper chromatography and amino acid analysis; interpretation of absorption, fluorescence, nuclear magnetic resonance (NMR) and mass spectra. Ph.D. in biochemistry or protein chemistry and 3 years of experience in Maillard reaction and protein chemistry is required. Salary is $25,860 per annum; 37 1/2 hours per week (8:30 a.m. to 5:00 p.m., Monday to Friday). Must have proof of legal authority to work permanently in the United States. Send curriculum vitae with list of publications, names of three recent academic or professional references and five reprints of peer-reviewed publications in the past 5 years in duplicate (no calls) to: S. Heistan, J.O. #1258770, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216. Equal Opportunity Employer M/F.

**VIROLOGY RESEARCH OPPORTUNITIES**

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- a good foundation in cell culture, viral propagation and assay methods with experience in evaluating antiviral agents using PCR, molecular virology, immunological and animal handling techniques.

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National Institutes of Health
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A strong background in molecular biology is required and experience with tissue culture techniques is desirable but not essential. Applicants should submit their Curriculum Vitae and three letters of reference to:

Anthony V. Furano, M.D. or Karen Usdin, Ph.D.
National Institutes of Health
Building 8, Room 203
9000 Rockville Pike
Bethesda, MD 20892

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POSITIONS OPEN

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**E. coli** GENOME SEQUENCING PROJECT has openings for: scientists, postdoc, manager, and a research technician named Karen. Submit letter of application and curriculum vitae to:

Frederick Blattner, Laboratory of Genetics, 445 Henry Mall, Madison, WI 53706

The University of Wisconsin is an Equal Opportunity Employer.

SENIOR RESEARCH SCIENTIST sought by medical research firm in southwestern Ohio. Direct and perform research on identification and isolation of bio- logical factors in avian (poultry) eggs using chemical (spectroscopic, chemical, and organic extraction techniques), biochemical (gel electrophoresis, immunoblotted, affinity chromatography and column and high-performance liquid chromatography) and immunological (enzyme-linked immunosorbent assay and Western and dot blotting) techniques, methodologies and equipment; analyze impact of such biological factors on human and animal bodily processes and functions; based on research, develop pharmaceutical and food compounds to control human and animal diseases; supervise and direct assistant researchers. Experience: 3 years of experience required for job description or 3 years of experience in independent research and analysis in food biochemistry, including 1 year of experience in separation and purification of bioactive molecules from eggs using in exchange, metal-chelate, affinity chromatography and immunoblot assay and 1 year of experience utilizing electrophoresis and chromatography equipment. Education: Ph.D. in agriculture or biochemistry. Salary: $38,000 per year, 8:00 to 5:00, 40 hours per week, Monday to Friday. Must have proof of legal authority to work permanently in the United States. Send resume in duplicate (no calls) to: S. Holton, J.O. 1227107, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.

SENIOR SCIENTIST I/Palo Alto, California, in company involved in research of crop protection methods. Will develop scientific programs in area of peptide biochemistry for crop protection without use of pesticides; will work to achieve identification of specific prohormones and processing mechanisms using a variety of biochemical and molecular techniques including HPLC, DNA/genomic library construction, DNA sequencing, protein isolation, enzymology and enzyme inhibition; will supervise one junior scientist. Must possess Ph.D. in biochemistry or related field; minimum experience must include at least 1 year in job offered or 2 years in advance research position in protein biochemistry; must also possess experience in plant biochemistry. Forty plus hours per week. Salary: $43,000 per year. Must have proof of legal authority to work in the United States. Send this ad and your resume to: Job# DN 8228, P.O. Box 9570, Sacramento, CA 95823-0570 no later than 7 October 1991.

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