1995-96 Congressional Science and Engineering Fellowships

PROGRAM: Fellows spend one year working as special assistants on the staffs of members of Congress or congressional committees, working in legislative areas requiring scientific and technical expertise. The program includes an orientation on congressional and executive branch operations and a year-long seminar program on issues involving science and public policy. Fellows receive stipends from their sponsoring societies.

PURPOSE: To provide a unique public policy learning experience, to demonstrate the value of science-government interaction, and to make practical contributions to the more effective use of scientific and technical knowledge in government.

CRITERIA: A prospective Fellow must be a postdoctoral to midcareer scientist or engineer; demonstrate exceptional competence in some area of science or engineering; be cognizant of many matters in nonscientific areas; demonstrate sensitivity toward political and social issues; and perhaps most important, have a strong interest and some experience in applying personal knowledge toward the solution of societal problems.

SPONSORS: More than twenty national professional scientific and engineering societies will sponsor or cosponsor Congressional Science and Engineering Fellows in 1995-96:

Acoustical Society of America
American Academy of Physician Assistants
American Association for the Advancement of Science
American Association of Colleges of Pharmacy
American Chemical Society
American Geophysical Union
American Institute of Biological Sciences
American Institute of Physics
American Institute of Medical Physics
American Psychological Association
American Society for Microbiology
American Society of Agronomy/Crop Science Society
American Society of Agricultural Engineers
American Society of Automotive Engineers
American Society of Engineering Education
American Society of Engineering Education
American Society of Mechanical Engineers
American Veterinary Medical Association
Federation of American Societies of Food Animal Sciences
Geological Society of America
Institute of Electrical and Electronics Engineers
National Society of Professional Engineers
Office of Technology Assessment

Applicants should apply directly to the appropriate professional society. It is acceptable to apply to more than one society. Stipends, application procedures, timetables, and deadlines vary by society. Minorities and persons with disabilities are encouraged to apply. Further information about the program and a list of the participating societies, with mailing addresses and contact people, is available from:

Congressional Science and Engineering Fellowship Program
American Association for the Advancement of Science
1333 H Street, NW, Washington, DC 20005
202/326-6600 Fax: 202/289-4950
Internet: science_policy@aaas.org
SCIENCE 

PERSONNEL PLACEMENT 

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2. Mail, FAX or Email materials to:
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   Washington, DC 20005
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SCIENCE • VOL. 266 • 21 OCTOBER 1994

POSITIONS OPEN 

WEST VIRGINIA UNIVERSITY ROBERT C. BYRD HEALTH SCIENCES CENTER Anatomy Faculty Position

The Department of Anatomy at the West Virginia University Health Sciences Center invites applications for a tenure-track position of the level of ASSOCIATE or ASSOCIATE PROFESSOR. Applicants should have a Ph.D. or M.D. or equivalent degree, with training and experience in the teaching and research of one of the following areas: 

1. The cellular and molecular mechanisms involved in the development and maintenance of the nervous system, with an emphasis on neuroanatomy.

2. The mechanisms by which hormones and neurotransmitters influence the nervous system and behavior.

3. Developmental processes that lead to the formation of the nervous system.

4. The role of the nervous system in regulating the activity of the endocrine and autonomic nervous systems.

5. The neural control of motility and sensory processing.

6. The role of the nervous system in regulating the activity of the endocrine and autonomic nervous systems.

7. The neural control of motility and sensory processing.

8. The role of the nervous system in regulating the activity of the endocrine and autonomic nervous systems.

9. The neural control of motility and sensory processing.

Applicants should submit a curriculum vitae, a description of their research and teaching interests, letters of recommendation, and teaching evaluations to:

Dr. James H. Morgan, Chair, Search Committee
West Virginia University Health Sciences Center
P.O. Box 9128
Morgantown, WV 26505-9128

The University of California, SANTA CRUZ Department of Biology

Applications are invited for a tenure-track position in the field of evolutionary microbiology. The successful candidate will be expected to develop an active, externally funded research program and maintain an active teaching load. The position will begin in July 1995. Applicants must hold a Ph.D. or equivalent degree. 

Applications should be submitted to:

Professor Charles J. Scheltema, Chair
Department of Biology
University of California
Santa Cruz, CA 95064

Closing date: November 1, 1994.

THE UNIVERSITY OF CALIFORNIA AT BERKELEY ASSISTANT PROFESSOR OF VIROLOGY Division of Public Health Biology and Epidemiology School of Public Health Applications are invited for a tenure-track position in the field of virology. The successful candidate will be expected to develop an active, externally funded research program and maintain an active teaching load. The position will begin in July 1995. Applicants must hold a Ph.D. or equivalent degree. 

Applications should be submitted to:

Professor Charles J. Scheltema, Chair
Department of Biology
University of California
Santa Cruz, CA 95064

Closing date: November 1, 1994.

PLANT SYMBIOSIS/EVOLUTIONARY BIOLOGY—THE UNIVERSITY OF CALIFORNIA, DAVIS Applications are invited for a tenure-track position in the field of plant symbioses and evolutionary biology. The successful candidate will be expected to develop an active, externally funded research program and maintain an active teaching load. The position will begin in July 1995. Applicants must hold a Ph.D. or equivalent degree. 

Applications should be submitted to:

Professor Charles J. Scheltema, Chair
Department of Biology
University of California
Santa Cruz, CA 95064

Closing date: November 1, 1994.

PLANT ECOLOGIST—THE UNIVERSITY OF CALIFORNIA, TEMPE The Department of Botany invites applications for a tenure-track position at the level of ASSISTANT PROFESSOR. The individual is expected to develop an active, externally funded research program in either plant ecology, conservation biology, or a related field. The successful candidate will be expected to develop an active, externally funded research program and maintain an active teaching load. The position will begin in July 1995. Applicants must hold a Ph.D. or equivalent degree. 

Applications should be submitted to:

Professor Charles J. Scheltema, Chair
Department of Biology
University of California
Santa Cruz, CA 95064

Closing date: November 1, 1994.

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

UNIVERSITY OF CALIFORNIA, SANTA CRUZ 
Department of Biology

Applications are invited for two tenure-track faculty positions beginning fall 1995, contingent upon available funding. Minimum Ph.D. or equivalent in Biology or a related field, postdoctoral research experience, university teaching experience, or demonstrated potential. The successful applicant will be expected to secure support for research and contribute to teaching at the graduate and undergraduate levels.

ASSISTANT PROFESSOR in Cell Biology, No. 0501: Applicants who use molecular, genetic or biochemical approaches to investigate fundamental problems in cell biology are encouraged to apply.

ASSISTANT PROFESSOR in Molecular Genetics of Development, No. 0487: We are seeking an individual whose research centers on problems involving the molecular biology of development. We especially encourage applications using molecular biology techniques.

Applicants should submit a curriculum vitae, brief description of research and teaching interests, reprints, and arrange for three letters of recommendation to be sent to:

Molecular Genetics of Development
Search Committee or
Cell Biology Search Committee
Department of Biology
245 Sinkey Science Laboratory
University of California
Santa Cruz, CA 95064

All applications must be received by no later than December 15, 1994.

Candidates applying for both positions may submit one application, but MUST indicate that they want to be considered for both positions.

Application forms can be obtained from
Office of Career Services, an Equal Opportunity/Affirmative Action/Equal Rights/Indian Employer. Women and minorities are encouraged to apply.

POSITIONS OPEN

FACULTY POSITIONS
UNIVERSITY OF HOUSTON

The Department of Pharmacological and Pharmaceutical Sciences at the University of Houston has tenure-track positions available in Pharmacology and/or ASSOCIATE PROFESSOR. Applicants must have an earned doctorate degree and postdoctoral research experience. We are interested in individuals who employ in vitro or in vivo methodologies to investigate the regulation of specific signaling systems, including neurotransmitter receptor regulation and signal transduction. Current departmental areas of research interest include the cellular and molecular mechanisms of signal transduction, regulation of membrane transport proteins and receptors, and novel drug delivery systems. Rank and salary will be commensurate with experience. The successful candidate is expected to establish a productive, independent, extramurally funded research program and must have a strong commitment to professional and graduate teaching. Candidates should submit a letter of application, a curriculum vitae and a summary of research objectives to: Douglas C. Eikenburg, Ph.D., Chair, Search Committee, Department of Pharmacological and Pharmaceutical Sciences, College of Pharmacy, University of Houston, Houston, TX 77204-8515. Review of applications will begin December 1, 1994, and continue until the positions are filled. The University of Houston is an Equal Opportunity/Affirmative Action Institution. Applications will be considered without regard to race, creed, color, national origin, sex, age, marital status, religion, disability, sexual orientation or veteran status.

CLARE BOOTHE LUCE PROGRAM AWARD
JUNIOR FACULTY POSITION FOR WOMEN UNIVERSITY OF NOTRE DAME COLLEGE OF SCIENCE

Applications are invited for the Clare Boothe Luce Professorship within the College of Science at the University of Notre Dame. The search for this tenure-track ASSISTANT PROFESSOR position is necessarily restricted by the Clare Boothe Luce bequest to the Henry Luce Foundation for women who are U.S. citizens and open to the areas present in our Department of Biological Sciences, Chemistry and Biochemistry, Mathematics, and Physics.

Candidates should have a Ph.D. and a research record with the expectation of a chair position at this rank. The new faculty member will be appointed to one of the above departments. She will be expected to develop an independent research program and participate in the curriculum of the university at the undergraduate and graduate levels. Research space appropriate for needs and competitive start-up funds are available; additionally, the College of Science has an excellent start-up salary and a significant discretionary fund. Interviewees will meet with members of the appropriate department and additionally with the Clare Boothe Luce Professorship Search Committee.

Applications, including a curriculum vitae, a list of publications, a statement of research interests and plans, and three letters of reference should be received by Professor Kathleen E. Neumann, Chair, Search Committee for College of Science, University of Notre Dame, Notre Dame, IN 46556 prior to January 1, 1995. The selection process will be completed by February 15, 1995. University of Notre Dame is an Affirmative Action/Equal Employment Opportunity Employer.

ASSISTANT PROFESSOR OF ENTOMOLOGY
INSECT TOXICOLOGY: (12-month, tenure-track, 33% teaching/67% research). Incumbent expected to develop a research program in insect toxicology and contribute significantly to departmental programs in 12th month of employment. We are looking for individuals whose research responsibilities include a graduate course in Insect Toxicology and participation in departmental and interdisciplinary undergraduate courses related to pesticide actions. Minimum qualifications include a Ph.D. with demonstrated expertise in insect toxicology. Postdoctoral experience is desirable. To Apply: Send curriculum vitae, statements of research and teaching goals and interests, selected reprints (three), and names and addresses of four references to: Professor John R. Croft, Chair, Search Committee, Department of Entomology, University Station, College Station, TX 77843-2475. Telephone: 409-845-2810; Fax: 409-845-6305; Email: jrc@texas.A&M.EDU. Closing Date: January 15, 1995.

Texas A&M University is an Equal Opportunity/Affirmative Action Employer.

MOLECULAR BIOLoGIST

Hope College has a tenure-track position in molecular biology beginning August 1995. Appointment is expected at the ASSISTANT PROFESSOR level. Applicants must have a Ph.D. or equivalent in undergraduate liberal arts education. The successful candidate will teach molecular biology, either genetics or microbiology, and will be involved in teaching introductory biology. The appointee will be expected to establish a research program which uses the techniques of molecular biology and will be expected to seek extramural funding to support research. Priority will be given to candidates who have postdoctoral experience.

Hope College is a distinguished liberal arts college with an enrollment of 2,600 and a faculty of more than 180. Hope College invites applications of "outstanding merit and through research" in the sciences. Hope College is affiliated with the Reformed Church in America.

Qualified applicants should arrange to have a curriculum vitae, transcripts, a statement of teaching competencies and philosophy, an outline of proposed research, and three letters of recommendation forwarded to: Dr. Paul Van Faassen, Department of Biology, Hope College, 35 East 12th Street, P.O. Box 9000, Holland, MI 49422-9000.

We will begin reviewing applications on December 1, 1994. Applicants are encouraged to make an appointment as soon as feasible thereafter.

Hope College complies with all legal requirements prohibiting discrimination in employment. Women and persons of color are strongly urged to apply.

Hiram College invites applications for a tenure-track position at the ASSISTANT PROFESSOR level to begin August 1995. The primary area of responsibility will be MOLECULAR BIOLOGY and GENETICS. We are looking for candidates whose background and interests would allow them to teach courses from among the following additional areas: microbiology, immunology, developmental biology, botany for non-majors, and animal physiology. The Courses. Successful candidates should have a Ph.D., a strong dedication to teaching at the undergraduate level, and will be expected to involve undergraduates in research. The Biology Department has a full range of facilities in the molecular biology laboratory, including a GC-MS, an HPLC and a scanning electron microscope. The department also maintains a 260-acre field station, located three miles from campus, which includes a field laboratory building and a pond/observation/group-meeting facility. Hiram College is a small selective undergraduate liberal arts college located in rural northeast Ohio and is minutes from the city of Youngstown. The college is nationally recognized for its strong undergraduate biology program and for its commitment to interdisciplinary opportunities. Applicants must have a Ph.D., demonstrated teaching experience, evidence of potential research activity, and a strong commitment to service. The College is especially interested in candidates who are committed to teaching students from diverse backgrounds. Hiram College is an Equal Opportunity Employer and encourages applications from women and minorities.

PLANT MOLECULAR BIOLOGY
UNIVERSITY OF MARYLAND

The Department of Botany invites applications for a nine-and-a-half month, 12-month position at the preferred rank of ASSISTANT PROFESSOR starting August 1995. Higher ranks will be considered for exceptionally qualified applicants. We are searching for an outstanding molecular biologist who is investigating fundamental problems in plant biology. The successful candidate is expected to develop a nationally recognized, externally funded research program, and to teach an introductory course in the biology program and advanced courses in plant molecular biology. Applicants must have a Ph.D., a commitment to teaching, evidence of potential research activity, and a strong commitment to service. Applicants should submit curriculum vitae, concise statements of research goals and teaching interests, and key reprints, and should arrange for three letters of reference to be sent to: Dr. Todd Cooke, Chair Molecular Biology Search Committee, Department of Botany, University of Maryland, College Park, MD 20742-3530. Telephone: 301-314-9082. The University of Maryland is an Affirmative Action/Equal Opportunity Employer. Qualified women and minority candidates are encouraged to apply.
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The fulfillment of seeing your ideas happen. At Schering-Plough, we invest over $500 million annually to advance the process of discovery and development. To the dedicated scientist, this means a greater opportunity to see your work extend and enhance lives the world over.

PRINCIPAL SCIENTIST
Allergy
As a key member of our Allergy Group, you will be part of a team of cellular and molecular biologists working to discover novel chemical entities for the treatment of asthma and related disorders. To qualify, you need to be an outstanding scientist with demonstrated ability to initiate and lead investigation into the structure-activity relationships of receptor proteins. You also need a PhD in Molecular Biology or Biochemistry and at least 5 years of postdoctoral experience. Background must include proven experience with site-directed mutagenesis and other molecular biology techniques for the study of protein structure-activity relationships. For consideration, please respond to: Dept. DD94-19.

SENIOR SCIENTIST
Cardiovascular
Excellent opportunity for a scientific professional to join our Atherosclerosis Group. To qualify, you need a PhD in Biochemistry, Cell Biology or Molecular Biology and 0-4 years of postdoctoral experience. Background must include expertise in the elucidation of signal transduction mechanisms in cells of both normal and diseased vascular walls. For consideration, please respond to: Dept. DD94-23.

SENIOR SCIENTIST
Structural Chemistry-Biochemistry
As a member of a protein biochemistry team involved in structure-based drug design, you will provide support in protein microtechniques using the latest instrumentation. To qualify, you need a PhD in Biochemistry and 0-4 years of postdoctoral experience. Background must include expertise in microbore HPLC, protein sequencing, amino acid analysis and electrophoresis. For consideration, please respond to: Dept. DD94-19.

ASSISTANT SCIENTIST
Tumor Biology
We seek an analytical self-starter with a BS in Biology and 2-4 years of experience or an MS and 0-2 years of experience to join a scientific team engaged in cancer research. Expertise with tissue culture, protein purification/characterization and enzyme assays a must. Familiarity with molecular biology techniques preferred. For consideration, please respond to: Dept. DD94-20.

We offer an excellent compensation package including a competitive salary and comprehensive benefits. For prompt, confidential consideration, we invite you to forward a resume, indicating the Dept. Code for your position of interest and salary requirements to: Human Resources-BG, Schering-Plough Research Institute, K15/MS 1255, 2015 Galloping Hill Road, Kenilworth, NJ 07033-0539. We are an equal opportunity employer. We regret we are unable to respond to each resume. Only those selected for an interview will be contacted.

Schering-Plough Research Institute

Using Science For Human Advantage
Assistant/associate professor of medicinal chemistry/biochemistry

The medicinal chemistry/biochemistry division of the school of pharmacy, university of wisconsin-madison, invites applications for a tenure-track position to begin between july 1 and august 1, 1995. the position is likely to be filled at the assistant professor level. outstanding candidates at the associate professor level are also encouraged to apply. a ph.d. degree in biochemistry, chemistry or medicinal chemistry, postdoctoral research experience, and outstanding research accomplishments are required. the successful candidate will establish an independent research program in one of the following areas: module biology, molecular modeling, and crystallographic or spectroscopic methods, synthesis and evaluation of novel macromolecular ligands that will be used to monitor drug-receptor interactions, and novel macromolecular drugs or drug targets identified using novel strategies. preferred qualifications include relevant experience and a strong research record. all qualified candidates are encouraged to apply. send curriculum vitae, two letters of recommendation, and a statement of research and teaching interests to: dean, college of medicine and public health, university of wisconsin-madison, 1045 west abbott street, madison, wi 53705. applications will be considered until june 1, 1995.

Assistant professor of genetics

streets.

Assistant professor

The department of pharmacology at rush presbyterian-st. luke's medical center, rush medical college, invites applications for assistant professor and associate professor tenure-track positions from individuals interested in cellular and molecular aspects of vascular and lung biology. we encourage applications in the area of regulation of endothelial adhesion molecules, biology of extracellular matrix, signal transduction mechanisms, coupling of molecular and cellular events to gene transfer in the vascular endothelium. collaborations within the medical center are encouraged. competitive start-up funds will be available to the successful applicants. it is expected that the candidates will have an established, externally funded research program and would be highly competitive for funding. applications will be reviewed starting immediately and will continue until suitable candidates are identified. candidates should submit a curriculum vitae, statement of research interests, and the names of three references to: dr. a.b. malik, chairman, department of pharmacology, rush presbyterian-st. luke's medical center, rush medical college, 1750 west harrison street, suite 1589 jelleichi, chicago, il 60612. rush-presbyterian-st. luke's medical center is an affirmative action/equal opportunity employer.

structural biologist

as part of a major commitment to the development of structural biology at the university of pennsylvania, the department of molecular biology and biophysics invites applications for a tenure-track assistant professor position in x-ray crystallography. the successful candidate should have demonstrated expertise and a recognized record of independent research. the successful candidate will carry out research in the structural biology of macromolecules with a strong background in protein and/or nucleic acid structure. please forward curriculum vitae and a statement of background and future scientific interests to: dr. philip g. taylor, department of molecular biology and biophysics, 1212 punt road, suite 250, newark, de 19711. applications are encouraged by january 1, 1995.

molecular biologist/geneticist position

the hypertension research center of the university of medicine and dentistry of new york-new york medical school is seeking an individual at the rank of assistant or associate professor (m.d. or ph.d. degrees) with a background in molecular biology/genetics, whose prime interest is to conduct research. candidates with a track record in basic research related to the cardiovascular system should send curriculum vitae to: abraham aiv, m.d., university of medicine and dentistry of new york-new york medical school, since 600, new york, ny 10016.

biologist


piedmont oncologist assistant or associate professor level

the cancer institute of new jersey and the department of pediatrics at the university of medicine and dentistry of new jersey (umdnj)-robert wood johnson medical school is seeking an m.d. or ph.d. physician scientist to develop a research program in pediatric oncology. preferred qualifications include strong background in molecular pharmacology/toxicology or drug development, and an established track record of grant support. the institute and laboratory space are available. please send curriculum vitae to: dr. george lambert, m.d., chairperson, search committee, umdnj-robert wood johnson medical school, department of pediatrics-eohsi, division of pediatric pharmacology and toxicology, 681 frelinghuyse road, p.o. box 1179, piscataway, nj 08855-1179. umdnj is an affirmative action/equal opportunity employer and a member of the university health system of new jersey. male/female/disabled/veterans. minorities and women are encouraged to apply.

tenure-track assistant professor tufts university physiological ecologist

the department of biology at tufts university invites applications for a tenure-track faculty position at the assistant professor level for the fall of 1995. applicants must have a ph.d., teaching experience desirable. the successful candidate will be expected to design and implement a research program that will attract an active research program in animal or plant physiological ecology that includes evolutionary and/or molecular approaches. possible areas of research include but are not limited to physiological ecology, behavioral ecology, organismic ecology, or functional morphology. teaching duties include designing and implementing of the laboratory portion of a second semester introductory biology course for majors and nonmajors and teaching a course in the person's area of expertise. applications should include curriculum vitae, reprints of up to three publications, and a statement of present and future research plans and teaching expectations. three letters of recommendation should be sent to: professor harry bernheim, biology search committee, tufts university, medford, ma 02155 and received by december 16, 1994. tufts university is an affirmative action/equal opportunity employer.
Pioneer Hi-Bred International, Inc., is a world leader in agricultural genetics. Founded in 1926, we are a publicly-held corporation with research, production and sales organizations worldwide. Our dynamic RESEARCH AND PRODUCT DEVELOPMENT DIVISION is currently seeking motivated and experienced professionals to join us in our on-going program of crop improvement.

RESEARCH ASSOCIATE

Plant Biochemistry (Job #1028S)
Position provides an opportunity for a plant biochemist to work in the general area of crop protection. Candidates should have the following qualifications: MS with 2 years or Bachelor’s degree with 4 years laboratory experience involving isolation and identification of plant metabolites, protein purification, and enzymology. Familiarity with TLC, HPLC, GLC, PAGE, and microcomputers. Excellent technical and interpersonal communication skills necessary. (APPLICATION DEADLINE IS NOVEMBER 15, 1994, OR WHEN A SUITABLE CANDIDATE HAS BEEN FOUND)

Protein Purification (Job #1029S)
Position provides an opportunity for a biochemist in the area of crop protection. Bachelor’s degree in chemistry or biochemistry and at least 2 years experience in protein purification are required, as well as familiarity with HPLC, PAGE, enzyme assays, microbiological techniques and microcomputers. Excellent interpersonal skills, high motivation level, and ability to work in a team environment are essential. (APPLICATION DEADLINE IS NOVEMBER 15, 1994, OR WHEN A SUITABLE CANDIDATE HAS BEEN FOUND)

Soybean Genetic Markers (Job #1009S)
Responsibilities involve planning, conducting, and reporting of genetic-marker experiments with application to soybean breeding and the development of DNA-marker technology. Requirements include an MS in a biological science and experience collecting and analyzing genetic-marker data, or a BS in a biological science with 3+ years directly related experience. Knowledge of DNA chemistry, plant breeding, and quantitative, qualitative, and molecular genetics is desirable. Effective organization and communication skills are necessary. (APPLICATION DEADLINE IS NOVEMBER 31, 1994)

Vector Construction (Job #1028S)
Responsibilities will be to provide support in the design and construction of plasmid vectors for plant gene expression. Candidates must have knowledge of cloning and molecular techniques including DNA purification, restriction enzyme analysis, site-directed mutagenesis, cloning methods, PCR, and bacterial transformation. EDUCATION/EXPERIENCE: BS or MS degree in biological science or related science area or equivalent directly related lab experience. 2 years directly related lab experience needed in addition to BS degree. Candidates need to be familiar with computer sequence analysis and have strong communication and organizational skills. (APPLICATION DEADLINE IN NOVEMBER 21, 1994)

RESEARCH PLANT PATHOLOGIST

Corn (Job #1032S)
Conduct a comprehensive pathology program working with company corn breeders and pathologists in developing commercial products. Job includes planning and supervising field and lab experiments which screen corn germplasm; identify sources of resistance; develop inoculation methods; record data and produce catalogs; pathogen identification; provide pathology support for winter nurseries and overseas locations; provide consultation to company personnel. Ph.D. in plant pathology or related area required with 5 years of work experience. Requires basic understanding of plant breeding and statistics. Candidates must have good communications skills. Please include resume, transcripts and names of 3 references with your application. (APPLICATION DEADLINE IS NOVEMBER 21, 1994)

We offer excellent compensation, benefits and career growth potential, as well as excellent facilities and a highly cooperative research environment. Please send cover letter indicating job number and C.V. by the respective deadline to: Gary Walljasper, Workforce Manager, Pioneer Hi-Bred International, Inc., 6800 Pioneer Parkway, P.O. Box 212, Johnston, IA 50131-0212. We are an Equal Opportunity Employer.
APPLICATIONS ARE INVITED FOR A TENURE-TRACK POSITION AS ASSISTANT or ASSOCIATE PROFESSOR in the Department of Microbiology at Colorado State University. Duties will be divided between clinical microbiology service and research activities. Candidates should possess the Ph.D., D.V.M./Ph.D., or equivalent degree in microbiology; postdoctoral experience in a sub-specialty of clinical microbiology (i.e., bacteriology, virology, or mycology) is highly desirable. Candidates should have interests in supervising diagnostic microbiology services and in developing an innovative research program in the areas of bacteriology and fungal biology. Teaching duties include undergraduate courses including microbiology and a graduate course in microbiology/biochemistry.

APPLICANTS SHOULD ENSURE THAT THREE LETTERS OF REFERENCE HAVE BEEN SENT TO: Dr. James K. Collins, Chair, Search Committee, Department of Microbiology, Colorado State University, Fort Collins, CO 80523. Closing Date: December 31, 1994. Colorado State University is an Equal Opportunity/Affirmative Action Employer. Office: 21 Spruce Hall.

PLANT ECOLOGY
 McMaster University—Royal Botanical Gardens

We are re-opening our search for candidates for a probationary tenure-track position at the ASSISTANT PROFESSOR level in the Department of Biology at McMaster University. The anticipated appointment at the Royal Botanical Gardens. The successful candidate will be expected to establish an independent research program in plant ecology. Duties include teaching undergraduate plant ecology courses and participation in graduate courses. Interested applicants should submit a curriculum vitae, a brief description of teaching experience and future research program, and the names and addresses of at least three referees. Deadline January 15, 1995.

Chair of Search Committee
Department of Biology
McMaster University
1280 Main Street West
Hamilton, Ontario L8S 4K1 Canada

Appointment is subject to final budgetary approval. In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. McMaster University and the Royal Botanical Gardens are committed to employment equity and encourage applications from all qualified candidates, including aboriginal peoples, persons with disabilities, members of visible minorities and women.

CALIFORNIA INSTITUTE OF TECHNOLOGY
invites applications for a tenure-track position as ASSISTANT PROFESSOR of Biochemistry in the Division of Chemistry and Chemical Engineering with an emphasis on, but not restricted to, the biochemistry, structure and dynamics of macromolecular assemblies. The initial appointment will be for four years. Outstanding individuals with Ph.D. and a strong commitment to research and teaching excellence are encouraged to apply. Submit curriculum vitae, publication list, a description of proposed research, and three letters of recommendation to: Professor D. C. Rees, Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA 91125. California Institute of Technology is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

ASSISTANT PROFESSOR of Chemistry, Rice University.

(Tenure-track) Imaginative and energetic candidates are sought in inorganic chemistry, organic/biorg- ganic chemistry, and physical/analytical chemistry. Emphasis will be placed on innovative research programs which transcend traditional boundaries, especially programs concerned with the study of materials having a nanoscale structure. Undergraduate teaching duties and significant contributions to the academic environment are expected. Send letter of application, a resume, and lists of three references to: Dr. J. T. Hargrove, Chair, Chemistry Department, Rice University, Houston, Texas 77251-1892. Rice University is an Equal Opportunity/Affirmative Action Employer.

APPLICATIONS ARE INVITED FOR A TENURE-TRACK POSITION AS ASSOCIATE PROFESSOR in the Division of Biological Sciences. The Division of Biological Sciences invites applications for a position at or near the ASSISTANT or ASSOCIATE PROFESSOR level.

ENVIRONMENTAL MICROBIOLOGIST is needed in the diversity and function of in situ microbial processes. Teaching duties include an undergraduate course in microbiology and a graduate course in microbiology/biochemistry.

BIOCHEMIST doing research on biochemical mechanisms of resistance of pathogenic organisms is needed. Teaching includes undergraduate courses and a graduate course in biochemistry/microbiology.

The Department of Microbiology, University of California, Santa Barbara, invites applications for a tenure-track position to establish a vigorous research program and aggressively pursue extramural support. Screening will begin 15 December 1994 and continue until positions are filled. Send letter of application, a concise statement of research interests and goals, and three letters of reference to: Professor D. C. Rees, Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA 91125. California Institute of Technology is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR
Aquatic Ecologist

Anticipated tenure-track ASSISTANT PROFESSOR position, starting August 1995, “Pending Final Approval.” Outstanding candidates in all areas of aquatic (marine and/or freshwater) ecosystem research, including, but not especially interested in the area of ecotoxicology. The candidate’s expertise in the fate and effects of environmental contaminants from molecular to bio-chemical approaches to the response of ecological systems. Ph.D. or equivalent degree in a biological science is required. Postdoctoral research and teaching experience preferred. The successful candidate will be expected to develop a strong, independent research program with extramural support, and have a commitment to teaching excellence. Candidates should submit a statement of research interests, teaching philosophy, a complete vitae and names of three references by December 7, 1994, or until position is filled to: Faculty Search Committee, Department of Zoology and Physiology, Louisiana State University, Baton Rouge, LA 70803-1725. Louisiana State University is an Equal Opportunity/Affirmative Action Employer.

NEUROBIOLOGIST

The Department of Cell Biology, Neurobiology and Anatomy, University of Cincinnati College of Medicine, invites applications for a tenure-track position at either the ASSISTANT or ASSOCIATE PROFESSOR level. We seek an outstanding scientist with expertise in developing and applying cellular, molecular or pharmacological approaches. Applicants must have a Ph.D., postdoctoral experience and a strong commitment to teaching and to developing a vigorous research program. The successful candidate will be expected to establish a rigorous independent research program with extramural funding, and participate in the graduate and medical Neuroscience teaching program. The position offers a competitive salary and laboratory start-up package. Applicants should send curriculum vitae, a concise statement of research plans, and three letters of reference to: Dr. Michael Lehman, Chair, Search Committee, Department of Cell Biology, Neurobiology and Anatomy, University of Cincinnati College of Medicine, P.O. Box 670521, Cincinnati, OH 45267-0521. University of Cincinnati is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT RESEARCH PROFESSOR

Applications are invited for ASSISTANT RESEARCH PROFESSOR to participate in research in any or all of the following areas: soft tissue wound healing, bone healing and metabolism, physiology of soft tissue circulation. Candidates must have a Ph.D. and a documented expertise in soft tissue injury and physiology studies with at least a minimum of experience in soft tissue/hard tissue physiology and metabolism. Send letters of interest, curriculum vitae, and names of three references to: Edward A. Luce, M.D., Professor and Chief, Division of Plastic Surgery, Kentucky Clinic Suite K-454, Lexington, KY 40536-0284.

ASSISTANT RESEARCH PROFESSOR

Applications are invited for ASSISTANT RESEARCH PROFESSOR to participate in research in any or all of the following areas: soft tissue wound healing, bone healing and metabolism, physiology of soft tissue circulation. Candidates must have a Ph.D. and a documented expertise in soft tissue injury and physiology studies with at least a minimum of experience in soft tissue/hard tissue physiology and metabolism. Send letters of interest, curriculum vitae, and names of three references to: Edward A. Luce, M.D., Professor and Chief, Division of Plastic Surgery, Kentucky Clinic Suite K-454, Lexington, KY 40536-0284.
Listed below are a few of the outstanding opportunities for conducting research that are now available with leading scientists at the National Institutes of Health.

Activity-Dependent Gene Regulation
Andres Buonanno, PhD
The regulation of neural and skeletal muscle genes by nerve-elicited electrical activity during synaptogenesis is being investigated, with a focus on genes coding for NMDA receptors and MLH transcription factors. Analyses of promoters in transfected cells and transgenic mice are used to identify novel regulatory trans-acting factors. Applicants should have a strong background in molecular biology and have less than five years postdoctoral experience. Laboratory of Developmental Neurobiology (OE-57), NICHD, Building 49, Room 5A24, 49 CONVENT DR MSC 4480, BETHESDA MD 20892-4480.

Cell Cycle Checkpoints and Cancer Chemotherapy
Patrick M. O’Connor, PhD
Position available to study aspects of anticancer drug interaction with cell cycle checkpoint systems. Emphasis is on molecular dissection of checkpoint control pathways and their role in chemosensitivity. Experience in molecular biology or protein biochemistry preferred. Candidates must be US citizens or permanent residents. Laboratory of Molecular Pharmacology (OE-57), NCI, Building 37, Room 5C19, 37 CONVENT DR MSC 4255, BETHESDA MD 20892-4255.

Developmental Biology and Toxicology
Michael D. Shelby, PhD
Mammalian developmental toxicity will be investigated through a combination of intramural and extramural projects. Chemicals are tested for their effects on normal mammalian development, mechanisms of toxicity are investigated, and data for assessment of risk are generated. Applicants should have a strong background in toxicology, embryology, or molecular biology and less than five years postdoctoral experience. Toxicology Branch (OE-57), NIEHS, P.O. Box 12283, MD A2-03, Research Triangle Park, NC 27709.

Gene Expression Regulation
Marc Reitman, MD, PhD
The regulation of gene clusters is currently being studied using the β-globin cluster. Problems under analysis include the role of distant regulatory regions, the mechanisms underlying stage-specific expression, and characterization of the DNA elements and proteins involved. Applicants should have experience in molecular biology and less than five years postdoctoral experience. Diabetes Branch (OE-57), NIDDK, Building 10, 8N250, 10 CENTER DR MSC 1770, BETHESDA MD 20892-1770.

Mammalian Molecular Genetics
Steven S. -L. Li, PhD
The organization and developmental regulation of mammalian genes, including neurogenic genes, are being investigated. Applicants should have a strong background in genetics, biochemistry, or molecular biology and less than five years postdoctoral experience. Laboratory of Molecular Genetics (OE-57), NIEHS, Building 101, Room D318, MD D3-05, P.O. Box 12233, Research Triangle Park, NC 27709.

Molecular and Developmental Neurobiology
Denes Agoston, MD, PhD
The molecular basis of phenotypic differentiation in the central nervous system is being studied at the level of protein-DNA interactions and DNA structure. Candidates are expected to have proven background in molecular biology, preferably in expression cloning. Specific areas of research include identification and isolation of genes that are uniquely expressed during neurodifferentiation. Laboratory of Developmental Neurobiology, (OE-57), NICHD, Building 49, Room 5A24, 49 CONVENT DR MSC 4480, BETHESDA MD 20892-4480.

Molecular Motors
John A. Hammer, III, PhD
Ongoing projects include cloning of unconventional myosin genes, biochemical characterization of purified myosins, analysis of myosin heavy chain structure/function relationships in vitro and in vivo, localization of myosins by light and electron microscopy, and analysis of myosin function in vitro using gene knockouts and antisense RNA approaches combined with analysis of cell motility using quantitative video microscopy. Applicants should have less than five years postdoctoral experience. Laboratory of Cell Biology (OE-57), NHLBI, Building 3, B1-22, 3 CENTER DR MSC 0301 BETHESDA, MD 20892-0301.

Additional Postdoctoral Fellowship Opportunities
For an on-line listing of additional postdoctoral openings, you may access the NIH EDNET Bulletin Board POSTDOC conference via Internet (wylbur.cu.nih.gov) or modem (1,301-402-2221 or 1,800-358-2221) with parameters set at “7,Even,1,”. When connected to NIH, type in “v100” for terminal emulation, “F5E” for initials, and “AJ1” for account number.

The Postdoctoral Research Fellowship Opportunities catalog, which describes intramural laboratories at the NIH, is also available by request. An electronic version of the catalog may be accessed via the Internet using either the Gopher Information System (gopher.nih.gov) or the World Wide Web (http://www.nih.gov). When connected, select Research Opportunities at the NIH Office of Education. If you would like to request a catalog or have further questions, please contact the Office of Education, Building 10, Room 1C129, 10 CENTER DR MSC 1158, BETHESDA MD 20892-1158, 301-496-2427, Fax 301-402-0483.

To Apply
If you hold a doctoral degree (e.g., PhD, MD/PhD, MD, DO, DDS, or DVM) accompanied by previous laboratory research experience, and would like to be considered for one of these positions, please send a cover letter, curriculum vitae, bibliography, and statement of research interests to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three scientists who can provide an evaluation of your qualifications.
VASCULAR BIOLOGIST

The Department of Physiology at the University of Texas Health Science Center at San Antonio is seeking applications for a full-time tenure-track position at the ASSISTANT or ASSOCIATE PROFESSOR level. The successful candidate will be expected to develop a research program in signal transduction and teach physiology. Applicants should have a strong research record and potential for extramural funding. Rank and salary are commensurate with qualifications. Interested individuals are encouraged to contact: Dr. John S. Brune, Department of Physiology, University of Texas Health Science Center, San Antonio, TX 78284-7756. The University of Texas Health Science Center is an Equal Opportunity/Affirmative Action Employer.

INTEGRATIVE ORGANISIMAL BIOLOGIST

The University of North Carolina at Chapel Hill invites applications for a continuing tenure-track position at the level of ASSOCIATE PROFESSOR in the Department of Biology. The successful candidate will be expected to coordinate and develop a program of research in evolutionary biology and to be active in teaching courses at the undergraduate and graduate levels. Further information is available from: Dr. James A. Palumbi, Department of Biology, University of Hawaii, Honolulu, HI 96822. The University of Hawaii is an Equal Opportunity Employer.

COMPARATIVE BIOLOGIST

The Department of Zoology at Duke University seeks an integrative biologist whose work addresses comparative aspects of structure, function and/or development—preferably of vertebrates—at the organismal level. The appointment will be at the ASSISTANT PROFESSOR level, tenure-track. The successful candidate will be expected to maintain a vigorous research program and to develop an undergraduate course in comparative biology. The position is held open until filled—June 1, 1994. Further information is available from: Dr. V. Douglas H. de Léon, Department of Zoology, University of Florida, Gainesville, FL 32611. Duke University is an Equal Opportunity/Affirmative Action Employer.

The Department of Biology at the University of Texas Health Science Center at San Antonio is seeking applications for a full-time tenure-track position at the ASSISTANT or ASSOCIATE PROFESSOR level. The successful candidate will be expected to develop a research program in signal transduction and teach physiology. Applicants should have a strong research record and potential for extramural funding. Rank and salary are commensurate with qualifications. Interested individuals are encouraged to contact: Dr. John S. Brune, Department of Physiology, University of Texas Health Science Center, San Antonio, TX 78284-7756. The University of Texas Health Science Center is an Equal Opportunity/Affirmative Action Employer.

The University of North Carolina at Chapel Hill invites applications for a continuing tenure-track position at the level of ASSOCIATE PROFESSOR in the Department of Biology. The successful candidate will be expected to coordinate and develop a program of research in evolutionary biology and to be active in teaching courses at the undergraduate and graduate levels. Further information is available from: Dr. James A. Palumbi, Department of Biology, University of Hawaii, Honolulu, HI 96822. The University of Hawaii is an Equal Opportunity Employer.

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GLAXO INSTITUTE FOR MOLECULAR BIOLOGY
Geneva, Switzerland

Research at the Glaxo Institute in Geneva is aimed at understanding the molecular mechanisms underlying disease.

We have recently cloned an ionotropic, purinergic receptor (P2X) which mediates the activity of extracellular ATP on smooth muscle as described in Nature 371: 516-519 (1994). The novel protein structure of the receptor defines a new class of ligand-gated ion channels. In order to extend our knowledge in this important area we now have created an outstanding opportunity for a

POSTDOCTORAL MOLECULAR BIOLOGIST

The successful applicant will join a dynamic group studying the role of P2X in development and apoptosis, the functional importance of its high permeability to calcium and the identity of new genes that encode related receptors. Publication of results and presentations at scientific meetings are strongly encouraged.

Informal enquiries can be directed to Dr. Gary Buell (gb15879@gcr.co.uk; phone +41 22 706 97 47; fax +41 22 794 69 65)

We offer an excellent compensation and benefits package and significant opportunities for career development. Geneva, situated in a very attractive part of Europe, has many advantages as a place to live. The Institute for Molecular Biology is part of the Glaxo group, one of the world’s most successful healthcare companies which has an outstanding reputation for the quality of both its research and products.

If you are interested in this position, please send your curriculum vitae with a list of publications and the names of three referees to: Rita Gloo, Personnel Manager, Glaxo Institute for Molecular Biology S.A., 14, chemin des Autx, 1228 Plan-les-Ouates, Geneva, Switzerland.

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U.S. ENVIRONMENTAL PROTECTION AGENCY’S ENVIRONMENTAL RESEARCH LABORATORY
ATHENS, GEORGIA

POSTGRADUATE RESEARCH TRAINING PROJECTS

Molecular Spectroscopy  Global Change
Environmental Sciences  Biochemistry
Natural Sciences  Geochemistry
Physical Chemistry  Chemistry

- Stipends begin at $18,500 - $33,150 depending on degree and research area
- Recent degree - BS, MS, PhD
- U.S. citizenship required

Application deadline - December 10, 1994

Project descriptions and applications:

Postgraduate Research Training Program/EPA Science/Engineering Education Division
Oak Ridge Institute for Science and Education*
P.O. Box 117
Oak Ridge, TN 37831-0117
(615) 576-7385

* Operated by Oak Ridge Associated Universities for the U.S. Department of Energy

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Senior Scientist Molecular Biology

Alcon Laboratories has a position immediately available in our Biotechnology Division for a Senior Scientist in Molecular Biology. The selected candidate must be willing to actively collaborate within a multidisciplinary team of biochemists, pharmacologists, and medicinal chemists in identifying and developing drugs for the treatment of ocular disease.

Requirements include a Ph.D. in Biochemistry, Cell Biology or Molecular Biology with at least three years of postdoctoral training in Molecular Biology and a history of productive research, preferably in a pharmaceutical research environment. Experience in gene transfection in vivo is required. Candidates must have a strong background in recombinant DNA techniques, cDNA library construction and screening, plasmid construction, expression systems, and protein production. Preference will be given to applicants with either experience or strong interests in the genetics of ocular disease.

Interested qualified candidates should send their curriculum vitae, addresses and phone numbers of three references in confidence to: Alcon Laboratories, Inc., Placement and Development, T1-3 (SSMB), P.O. Box 6600, Fort Worth, TX 76115. Equal Opportunity Employer, M/F/D/V. Principals Only, Please.
UNIVERSITY OF SAN DIEGO
Fletcher Jones Endowed Chair in Biology

The University of San Diego (USD), Department of Biology, invites applications for the newly established FLETCHER JONES CHAIR IN BIOLOGY endowed by the Fletcher Jones Foundation and anticipated to begin in the fall of 1995. The University seeks applicants in the field of Developmental Biology with distinctive research achievements. The appointment will be made at the ASSOCIATE or FULL PROFESSOR level. Teaching responsibilities include courses in developmental biology and in molecular biology. USD is an independent Catholic university whose primary aim is teaching excellence. Active scholarship is integral to this aim, and the candidate is expected to have an ongoing research program with potential for undergraduate involvement. Applicants should submit a curriculum vitae, a brief statement of teaching philosophy and research interests and the names and addresses of three referees by December 9, 1994, to: Chair, Department of Biology, University of San Diego, 5998 Alcala Park, San Diego, CA 92110-2492. Women and minorities are particularly encouraged to apply. USD is an Affirmative Action/Equal Opportunity Employer.

STANFORD UNIVERSITY
ECOLOGIST/EVOLUTIONARY BIOLOGIST

The Department of Biological Sciences seeks an Ecologist or Evolutionary Biologist. This tenure-track position will be filled at the ASSOCIATE PROFESSOR level. Applications from women and members of minority groups are encouraged. Applicants for this position should send a letter of application, statements of research interests and teaching experience, curriculum vitae, two papers or manuscripts, and names and addresses of three referees directly to:
Ecology/Evolution Search Committee
Department of Biological Sciences
Gilbert Room 109
Stanford University
Stanford, CA 94305-5020

The closing date for these applications is December 1, 1994.

FACULTY POSITION
VERTEBRATE ANATOMY AND PHYSIOLOGY

The Department of Biology invites applications for an anticipated TENURE-TRACK POSITION in the fall of 1995. Ph.D. in the field and college-level teaching experience is required. The successful candidate will teach graduate anatomy and physiology courses and biological diversity, as well as participate in the design and implementation of the regional medical school curriculum. Residents are Arizona. Please send six letters of recommendation to:
Chair, Department of Biology
Western Oregon University
Monmouth, OR 97361


COLUMBIA UNIVERSITY
Psychology Department
invites applications for two positions to start Septem
ber 15, 1995 in one of the following areas: cognition, or
neuropsychology, or psychopharmacology. Applications
at any level will be considered, but of special interest is a
senior scientist with a record of outstanding research
con
tribution.

- BEHAVIORAL NEUROSCIENCE/ANIMAL COGNITION, broadly
defined, is interested in the range of problems involving
behavioral measures and neurochemical correlates of experi-
enced and pre-learned behavior. Applicants should have
published a number of papers indicating a strong commit-
tment to methodological rigor and the ability to
publish research of a high quality in peer-reviewed jour-
nals. Review of applications will begin on December 15, 1995. Applications should include: a curriculum vitae, a descrip-
tion of current research, an outline of proposed research
programs, and the names of three references.

- SOCIAL/CLINICAL PSYCHOLOGY, has well-funded research programs in
the areas of social cognition, social psychology, and health
psychology. Applications are invited to: Department of Psy-
chology, Columbia University, 505 W 128th Street, New York,
NY 10027. Applications should include a curriculum vitae, a
description of research interests, and the names of three
references.

POSTDOCTORAL FELLOW—PENN STATE
Applications are being accepted for positions on a NIH training grant in Endocrinology, Diabetes and Metabo-

ism at The Pennsylvania State University College in Medicine. M.D. or Ph.D. candidates will be trained for an academic research career with a focus on men's health. Women and minorities working in the fields of reproductive endocrinology, andrology, and endocrine/oncology. Applications are invited from U.S. citizens or permanent residents with a background in endocrinology and a Ph.D. or M.D. degree. The position is available immediately. The application deadline is December 1, 1994. The salary is commensurate with NIH stipend guidelines. For more information, write to Dr. Leonard S. Jefferson, The Pennsylvania State University College of Medicine, Department of Cellular and Molecular Biology, 505 University Park, HERSHEY, PA 17033. We are an Equal Opportunity/Affirmative Action Employer and encourage minority and female applicants to apply.
CHAIR OF EARTH SCIENCES

Applications are invited from Earth Scientists with an outstanding record of research and leadership for appointment to this newly established Chair. The School of Earth Sciences has strengths in various aspects of geology, meteorology, geophysics, and hydrogeology. The appointee will have a strong commitment to undergraduate and postgraduate teaching, to research and have management as well as academic strengths.

The base salary for a Professor is AUD78,991 per annum. The Professor may undertake limited outside work, subject to conditions approved by Council.

Further information about the position, including details of application procedure, conditions for outside work, superannuation, travel and removal expenses, housing assistance and conditions of appointment is available from the Registrar. All correspondence (marked “PERSONAL AND CONFIDENTIAL”) should be addressed to the Registrar, The University of Melbourne, Parkville, Victoria 3052, Australia.

Telephone: +613/03 344 7529 (Ms Sylvia Edwards)
Facsimile: +613/03 344 6897

Enquiries of an academic nature may be directed to Professor B. H. J. McKellar, Dean, Faculty of Science in the first instance.

Telephone: +613/03 344 6407
Facsimile: +613/03 344 5803
Internet: mckellar@taun.ph.unimelb.edu.au

Applications close on 30 November 1994. The Council reserves the right to make no appointment or to fill the Chair by invitation at any stage.

The University of Melbourne is an equal opportunity employer and has implemented a smoke-free workplace policy.

THE UNIVERSITY OF MELBOURNE
MORE THAN A DEGREE

Faculty Positions
Molecular, Cell and Developmental Biology
Department of Biochemistry and Molecular Biology
University of Texas
M.D. Anderson Cancer Center

Applications are invited for tenure track positions at the Assistant Professor level. Exceptional applicants may be considered for an Associate Professor position. The Department is one of several basic science departments at MDACC, which have limited teaching responsibilities but maintain strong predoctoral and postdoctoral training programs within focused research areas. The present focus of the Department is on molecular aspects of cell and developmental biology, emphasizing both vertebrate and invertebrate systems. Current strengths include transcripational regulation of development and disease, developmental genetics, chromosome structure, myogenesis, glyco-biology, cellular interactions, membrane-cytoskeleton interactions, and intracellular signalling. Applications are encouraged from individuals who bring diverse experimental systems to complement these and related areas within the overall scope of the Department. The MDACC is located in the Texas Medical Center, which includes Baylor College of Medicine and the University of Texas Health Science Center, offering an unusually rich scientific and training atmosphere. Send a curriculum vitae, a description of research interests, and the names, addresses and telephone numbers of at least three references by November 15, 1994 to:

Barry D. Shur, Ph.D., Chair, Search Committee
Box 117, Department of Biochemistry and Molecular Biology
M.D. Anderson Cancer Center
1515 Holcombe Blvd., Houston, TX 77030 FAX: 713-790-6329

The University of Texas M.D. Anderson Cancer Center is an Equal Opportunity/Affirmative Action Employer.

ANTIFUNGAL DISCOVERY

Merck Research Laboratories Department of Animal Health and Agriculture is seeking applicants for a group leader position in the area of Agricultural Antifungal Discovery. Potential candidates should have a Ph.D. or equivalent and postdoctoral experience in plant pathology and/or mycology, extensive experience in biochemistry and molecular biology and a strong publication record in peer reviewed journals. Experience in managing a research program and a clear understanding of the commercial aspects of plant disease control will be an advantage. The incumbent will be expected to identify and validate potential antifungal targets, design novel screening methods and identify lead compounds for the development of new antifungal agents.

Salary benefits and growth potential for this position are excellent. The position is at Merck Research Laboratories' 2101 Constitution Avenue, NW, Washington, DC 20418. EO/EAA/VH Employer.

The NATIONAL RESEARCH COUNCIL is seeking a program officer for its Ocean Studies Board. Responsibilities include development and direction of technical and policy studies, and producing reports. Requires a Ph.D. or equivalent, preferably related to oceanography (marine geology/ geophysics); and at least one year of relevant experience. Demonstrated familiarity with the oceanographic community with extensive sea-going experience and scholarly collaboration in marine research; and excellent communication, writing, and research skills required. Please send resume in confidence to:

NRC/OSB
(470), 2101 Constitution Avenue, NW, Washington, DC 20418. EOE.
ANIMAL PHYSIOLOGIST, POSTDOCTORAL RESEARCH ASSOCIATE, U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Animal Science Research Center, Animal Physiology Research Unit, Room S-143 ASCRC, University of Missouri, Columbia, Missouri 65211. Applications must be marked 4NO36. USDA/ARS is an Equal Opportunity Employer.

LABORATORY OF MOLECULAR AND CELLULAR TOXICOLOGY

CORNELL UNIVERSITY MEDICAL COLLEGE

A position is available immediately for a POSTDOCTORAL FELLOW to study the effects of general anesthetics on neurotransmitter release and signal transduction in the CNS. Experience in cellular and molecular neurochemical techniques including brain dissection, subcellular fractionation, HPLC, and spectrofluorimetry is desired. Qualification for Ph.D. and/or postdoctoral research experience in biochemical methods. Send a cover letter stating research interests and experience, curriculum vitae, and three letters of reference to: Dr. Robert L. Matteri, USDA, ARS, Animal Physiology Research Unit, Room S-143 ASCRC, University of Missouri, Columbia, MO 65211. Applications must be marked 4NO36. USDA/ARS is an Equal Opportunity Employer.

IMMUNONUTRITION

POSTDOCTORAL RESEARCH POSITION is available immediately to study the interactions between the immune system, metabolism and nutrition following injury in acutely ill trauma patients and in laboratory animals. Successful candidate will be encouraged to develop a strong program in the field of immune response and macrophage functions with special reference to severe injury and nutrition. Candidate should have a Ph.D. in immunology with a strong background in biochemistry, molecular biology and nutrition and should be able to write successful grant applications for growth support. Send curriculum vitae, letters of reference, statement of research experience and names of three references to: H. C. Hemmings, Jr., M.D., Ph.D., Department of Anesthesiology, Box 50, LC-208, Cornell University Medical College, 525 East 68th Street, New York, NY 10021. hcm@med.cornell.edu. Affirmative Action/Equal Opportunity Employer.

UNIVERSITY OF TEXAS MEDICAL BRANCH GALVESTON

A POSTDOCTORAL POSITION available immediately in Experimental Pathology Division will investigate the biochemical and molecular mechanisms of vascular injury by toxic substances, using established NIH-funded laboratory within strong, collaborative University Toxicology Program. Send curriculum vitae with names and telephone numbers of three references to: Paul J. Boor, University of Texas Medical Branch, 301 University Boulevard, Department of Pathology, Galveston, TX 77555-0605.

POSTDOCTORAL POSITION BASIC CANCER RESEARCH

Immediate opening to study the function and regulation of heat shock protein 27 in breast cancer. Experience in mammalian protein purification, expression and chemical modification highly desirable. Send current curriculum vitae and three reference letters to: Dr. Stephen Carper, Chemistry Department, Box 464903, University of Nevada, Las Vegas, Las Vegas, NV 89154-4003. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS RNA POLYMERASE II BIOCHEMISTRY

Two positions are available immediately to study mechanistic aspects of RNA synthesis by RNA polymerase II. Projects will include transcription on chromatin templates (Izban & Luse, JBC, 267:13647, 1992), mechanism of promoter clearance and transcription elongation (Ja-cob et al., JBC, 269:3655, 1994; Rudd et al., PNAS, 91:10156, 1994). These projects provide the opportunity for cutting-edge research in a small but vigorous and productive group. The Research Institute is well-equipped basic research organization with laboratories studying many aspects of molecular biology, including nuclear acid biochemistry. Experience in biochemistry or molecular biology is required; prior work on RNA synthesis and/or chromatin will be an advantage. Please send a curriculum vitae, including a summary of your research experience, as well as the names, addresses and telephone numbers of three references to: Dr. Donal Luse, Department of Molecular Biology, NC20, Research Institute, Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, OH 44195. Telephone: 216-445-7688; FAX: 216-444-0512.

POSTDOCTORAL POSITION, University of Cincinnati.

A postdoctoral position is available immediately for a project focused on cloning of chryothocyte ion transporters and their expression during erythroid differentiation in a sellek cell disease. Experience in molecular and cell biology is required. Affiliations and collaboration are available within numerous departments in the College of Medicine and the College of Engineering. Applicants should send curriculum vitae and the names of three references to: Clinton H. Joiner, M.D., Ph.D., Associate Professor of Pediatrics, and Molecular Immunology, Children's Hospital Research Foundation, 3333 Burnet Avenue, Cincinnati, OH 45229-3039. Children's Hospital is an Equal Opportunity Employer. Affirmative Action encourages applications from women and minority candidates.

DROSOPHILA NEOBIOLOGY

POSTDOCTORAL POSITION to participate in molecular genetic studies of the Drosophila circadian timing system. Current research involves cellular and molecular studies of the neuropacemaker that regulates circadian rhythms as well as an analysis of the neuroendocrine output pathways which couple the pacemaker to specific physiological processes. Experience in molecular biology and/or Drosophila genetics is essential. Submit curriculum vitae, names of three references, and a brief description of your research interests to: David Jackson, c/o Human Resources, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, MA 01545, USA. An Equal Opportunity/Affirmative Action Employer/Male/Female/Disabled.

C. H. BEST POSTDOCTORAL FELLOWSHIP

Molecular and genetic research in the areas of diabetes, cell differentiation, signal transduction and hormone action, transcription and translation, membrane transport, neurobiology, cancer, and lipids. Tenable in the Banting and Best Department of Medical Research, University of Toronto for two years after July 1, 1995, with a competitive stipend available to new Ph.D.'s or candidates with less than two years of postdoctoral training by June 30, 1995. Send curriculum vitae, academic transcripts and three letters of reference before January 15, 1994, to: Dr. David H. MacLennan, Fellowship Committee Chair, Banting and Best Department of Medical Research, University of Toronto, Toronto, Ontario, M5G 1L6, Canada.

ASSOCIATE/ASSOCIATE PROFESSOR, UNIVERSITY OF BRADFORD, BRADFORD, ENGLAND.

Sought are applications for an anticipated tenure-track position beginning fall 1995. Ph.D. required. Applicants must be able to teach introductory biology, cell biology, cellular biology and/or biochemistry. A minimum of two years of postdoctoral experience is required. Excellent teaching in chemistry, academic advising, and the ability to direct undergraduate research are essential for the success of the applicant. Experience with one or more of the following: director of application, official transcripts, and names/addresses of three references by January 15, 1995, to: Dr. Warren Pass, School of Biological Sciences, University of Bradford, 300 Campus Drive, Bradford, PA 16701. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION, ETHICAL PROCESSING/Tissue Culture

Immediate opening to study the interaction of diet and chemotherapy-induced leukemogenesis, in a rodent model. This collaborative project is newly funded and the Ph.D. degree may be granted in Nutrition or Toxicology, with some flexibility in course requirements. Please contact: Dr. James B. Kirkland, Department of Nutrition, University of Guelph, Guelph, Ontario, N1G 2W1, Canada. Telephone: 519-824-1240, ext. 6093; FAX: 519-763-5902.

POSTDOCTORAL POSITION, University of Guelph

Available immediately for an individual proficient in biochemical toxicology and possessing aptitude in applying chemical engineering concepts and mathematical modeling to toxicologic interactions of chemical mixtures. Knowledge of in vitro cultures and acute in vitro irritation testing is required. The postdoctoral candidate is expected to develop Predictive Toxicology and related Risk Assessment by integrating PB-PK/PD modeling, highly focused animal experimentation, and other mathematical/matrix modeling. Please forward a curriculum vitae, copies of transcripts for graduate and undergraduate programs, and a list of references to: Dr. Raymond S. Yang, Center for Environmental Toxicology, Department of Environmental Health, Colorado State University, B120 Microbiology Building, Ft. Collins, CO 80523. Affirmative Action/Equal Opportunity Employer.

CHEMICAL BIOLOGY FACULTY POSITION

TENURE-TRACK faculty position in Chemical Biology in a multidisciplinary department comprised of chemists, biochemists and chemists. Areas of interest: cell biology, molecular biology and biochemistry. The successful candidate will be expected to teach undergraduate and graduate courses independent of research program. Ph.D required in an area of bioscience related to the department’s interests; postdoctoral and teaching experience are assets. Rank and salary depend on qualifications. Send curriculum vitae, research experience and teaching interests and three letters of recommendation to: Prof. Francis J. Jones, Department of Chemistry, Stevens Institute of Technology, Castle Point on Hudson, Hoboken, NJ 07030. Stevens Institute of Technology is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION, Harvard Medical School. Immediate opening. BIOLOGIST/RADIOBIOLOGIST preferably with experience in cell culture, animal models, and/or cell culture technology. Candidate will work within a multidisciplinary group examining the subcellular effects and therapeutic efficacy of radionuclides. Salary based on experience (NRAA Guidelines). Must be a U.S. citizen or permanent resident. Please contact: Dr. A. I. Kassis, SWRL, 50 Binney Street, Boston, MA 02115. Telephone: 617-432-3999. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to participate in the design of diagnostic reagents in an industrial setting. Candidate should have a protein biochemistry background in the field of coagulation. Prefer some molecular cloning, expression and protein purification experience. Strong basic science and salary benefits program. Applicants must be U.S. citizens or permanent residents. Submit curriculum vitae and three references to: Dr. Freez, Pez, Freez Biologicals, P.O. Box 68, Rogers, AR 72756. Pez-Freez Biologicals is a growing fast-paced smoke-free biotechnology company located in the heart of the Ozarks, which manufactures a variety of reagents for medical diagnostic worldwide. Pez-Freez Biologicals is an Affirmative Action/Equal Opportunity Employer.

PREDOCORAL POSITION to study the interaction of diet and chemotherapy-induced leukemogenesis, in a rodent model. This collaborative project is newly funded and the Ph.D. degree may be granted in Nutrition or Toxicology, with some flexibility in course requirements. Please contact: Dr. James B. Kirkland, Department of Nutrition, University of Guelph, Guelph, Ontario, N1G 2W1, Canada. Telephone: 519-824-1240, ext. 6093; FAX: 519-763-5902.

POSTDOCTORAL POSITION, University of Guelph

Available immediately for an individual proficient in biochemical toxicology and possessing aptitude in applying chemical engineering concepts and mathematical modeling to toxicologic interactions of chemical mixtures. Knowledge of in vitro cultures and acute in vitro irritation testing is required. The postdoctoral candidate is expected to develop Predictive Toxicology and related Risk Assessment by integrating PB-PK/PD modeling, highly focused animal experimentation, and other mathematical/matrix modeling. Please forward a curriculum vitae, copies of transcripts for graduate and undergraduate programs, and a list of references to: Drs. Keith A. Young/Tan Steele Russell, Neuropsychopharmacology Research Center, 111 Life Sciences Building, University Health Sciences Center/WAMC, VAMC, Waco, TX 76711. FAX: 817-755-8768.
As the largest research-based pharmaceutical company in Europe, Glaxo Research and Development aims to promote quality of life worldwide. Our medicines combat illness and disease in more than 150 countries and our product range includes the world's best-selling prescription medicine.

Initially based at Ware or Greenford, you will relocate to our brand new £140 million research site at Stevenage in early 1995. There you'll find the world's finest state of the art equipment - everything you need to help us make future breakthroughs.

For the position in the Sensory Biology Group, you will join a small team responsible for improving our understanding of the pathophysiology/aetiology of chronic somatic and visceral pain conditions. Using molecular biology techniques, the main focus will be on pathological change occurring in peripheral nerves, spinal cord and the brain.

For the position in the Cognition Group, you will join a small team involved in basic research to gain a better understanding of the molecular basis of memory. This work will provide a more fundamental component to ongoing studies into dementing disorders such as Alzheimer's disease. Research will focus initially on changes in gene expression underlying long-term potentiation and their relevance to the memory process.

Applicants must have practical expertise in molecular biology techniques (ideally with 1-2 years' postdoctoral experience). You will use methodologies such as DDPCR, subtractive hybridisation and in situ localisation to study gene expression changes associated with pain (Sensory Biology) or long-term potentiation (Cognition).

In return you will receive a competitive salary and a wide range of benefits including generous relocation assistance where appropriate. As a major health care company, we are committed to a no smoking environment.

Please write, enclosing your CV, quoting ref. B8 (sensory) B9 (cognition), to: Kate Lawrence, Senior Human Resources Adviser, Glaxo Research and Development, Gunnells Wood Road, Stevenage, Herts SG1 2NY.
A POSTDOCTORAL POSITION is immediately available to study the electrophysiological correlates of signal transduction/response modulation in intact vasculature. The work is being performed in smooth muscle cells. Research will encompass patch clamp experiments of cultured vascular smooth muscle cells to examine the characteristics of voltage ion channels (K+ and Ca2+ channels), dual whole cell patch clamp experiments of intercellular communication, and sucrose gap studies of intact vascular tissue. Send a letter of application, curriculum vitae, a statement of research interests, and three letters of recommendation to: Dr. J. Daniel Hare, Department of Entomology, University of California, Riverside, CA 92521; Telephone: 909-787-3858; FAX: 909-787-3086; Email: HARE@UCR.CA.UCR.EDU. The University of California is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION in molecular pulmonary pharmacology available for recent Ph.D. in pharmacology, physiology or biochemistry. Project related to modulation of pulmonary pharmacology and the involvement of second messenger systems in airway smooth muscle and epithelial cells. Salary NIH level. Experience in related field preferred. Send curriculum vitae and three letters of recommendation to: Dr. S. Jamal Mustafa, Department of Pharmacology, East Carolina University, Greenville, NC 27858, and an Equal Opportunity Employer.

POSTDOCTORAL POSITION in vascular biology is available beginning January 1, 1995, in the Vascular Molecular Biology Laboratory (Director, Dr. M. Plotnick) in the Department of Pharmacology and Physiology, University of Texas Health Science Center at Houston, 6551 Fannin, Suite 5.10, Houston, TX 77030. Applicants must have a Ph.D. or M.D.-Ph.D. and possess exceptional research skills. Experience in molecular cloning, PCR, RNase protection assays, etc. is essential. Familiarity with neurons and glia, and with tissue culture would be helpful. Excellent opportunity for interaction with a multidisciplinary group. Send letter of interest, curriculum vitae, three letters of reference by December 15, 1994, to: Stephen G. Waxman, M.D., Ph.D., Professor and Chairman, Department of Neurology, University of California, Los Angeles, Box 10088, New Haven, CT 06520-8018. Yale University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIPS available to investigate human molecular genetic defects. Applicants should have completed Ph.D. within the past five years. Training in behavioral pharmacology required. Experience in gene engineering, PCR, sequence analysis, and mammalian tissue culture desirable. Respond in writing with curriculum vitae and names and addresses of three references to: Charles D. Klaassen, Ph.D., Department of Pharmacology and Toxicology, University of California, San Francisco, 50 Kansas Street, San Francisco, CA 94143-0660-7417. Telephone: 415-988-7714; FAX: 415-988-7501.

POSTDOCTORAL POSITION in toxicology to study the molecular biology of sulfotransferases and hepatic transport mechanisms. Expertise in molecular biology techniques as well as experience in mammalian tissue culture are required. Send current vitae and names and addresses of three references to: Curtiss D. Klaasen, Ph.D., Department of Pharmacology and Toxicology, University of California, San Francisco, 50 Kansas Street, San Francisco, CA 94143.

POSTDOCTORAL RESEARCH ASSOCIATE Plant-Animal Interactions. Basic studies focus on chemical mediation and genetic variation in local plant-insect associations. Applied studies focus on manipulating crop-pest associations for improved pest management. Ph.D. in ecology or related integrated discipline with demonstrated experience in plant-insect interactions required. Training in chemical ecology or quantitative genetics preferred. Apply by December 10, 1994, to: Dr. J. Daniel Hare, Department of Entomology, University of California, Riverside, CA 92521; Telephone: 909-787-3858; FAX: 909-787-3086; Email: HARE@UCR.CA.UCR.EDU. The University of California is an Equal Opportunity/Affirmative Action Employer.
A DYNAMIC MISSION

At the Glaxo Inc. Research Institute, Our Priority Is Progress.

Glaxo Inc., one of the largest pharmaceutical companies in the world, has an established record of developing the highest quality prescription medicines for unmet patient needs. Located in Research Triangle Park, N.C., the Glaxo Inc. Research Institute is a premier facility which provides a stimulating environment for scientists working in all aspects of discovery and development. We invite you to join us today in the following opening.

SR. PROJECT ANALYST/CONSULTANT

As a key member of our Research Computing Department, the selected individual will lead and participate in projects to redesign and automate biochemical assays, sample handling procedures, DNA sequencing and chemical synthesis in the Research Division. The incumbent will provide leadership in the application of new robotics technology to research tasks, and coordinate the roles of IT, Research and other colleagues in and outside of Glaxo, in defining and implementing automation strategies.

This position requires a BS/BA (MS preferred) in a Physical Science or Computer Science discipline with a minimum of 5 years relevant experience in the application of robotics systems to automation projects in pharmaceutical research. Experience must include the use of imaging technology and robotic systems integration. A forward-looking approach to automation, strong systems analysis skills and knowledge of the scientific basis which drives automation projects are required, as are excellent teamwork, interpersonal and communication skills.

Glaxo offers an attractive compensation and benefits package that features a matching savings plan, an on-site fitness center and much more. Research Triangle Park, N.C. offers an academically enriched quality of life complete with a host of cultural and recreational advantages. For confidential consideration, send your resume which must include position title and salary history, to: Human Resources Department, Job # ASC452601, Glaxo Inc., P.O. Box 13398, Research Triangle Park, NC 27709. (No Phone Calls or Agency Referrals, Please.) An Equal Opportunity Employer M/F/D/V.

Pharmaceutical

Be At The Forefront Of Drug Discovery Research

...with The DuPont Merck Pharmaceutical Company. We are focused on meeting unmet medical needs through the discovery and development of innovative compounds leading to novel pharmaceuticals.

Associate/Staff Scientists

Molecular Neurobiology

We currently have immediate openings for two Associate/Staff Scientists to perform CNS Research. Responsibilities will include carrying out experiments requiring skills in molecular biology, such as, cDNA cloning, PCR, DNA sequencing, in situ hybridization, DNA and RNA blotting, protein expression, and transfections. To qualify, you should possess a BS/BA or MS/MA and have several years of research experience in an academic or industrial lab. Experience in neurobiology, tissue culture, immunocytochemistry, protein biochemistry, or transgenic mice is desirable. Pos. MB-1

DuPont Merck offers a competitive salary and a generous benefits package including 401K plan as well as excellent working conditions and challenging assignments.

Please send a letter of introduction and resume to: Human Resources Dept. (Pos. Code), The DuPont Merck Pharmaceutical Company, P.O. Box 80400, E400-2413, Wilmington, DE 19880-0400. An equal opportunity employer.

The DuPont Merck Pharmaceutical Company

Merging Strengths...Emerging Opportunities

Cell Biology & Inflammation Research Scientist

The Upjohn Company, a worldwide manufacturer of pharmaceutical, agricultural and healthcare products, seeks a scientist with significant expertise in contemporary molecular biological approaches in the Cell Biology and Inflammation Research Unit of its Laboratories.

This is a unique opportunity for an individual with the ability to identify and solve contemporary problems in the cell and molecular biology of inflammation, the determination to apply the solutions to the drug discovery process, and the personality to work on program teams focused intently on the exploration and evaluation of molecular targets for therapeutic intervention.

We seek a candidate with a strong record of achievement and publications, and a professional commitment to drug discovery, to:

• Conceive, plan and implement research strategies for the discovery of novel pharmacological agents for unmet medical needs in the treatment of human inflammatory disorders.

• Establish assays and models to test novel hypotheses of the molecular basis for acute and chronic inflammation in humans.

Requirements include a Ph.D., M.D. or M.D./Ph.D. in Molecular Biology, Biochemistry, Immunology, Pharmacology or related discipline, with at least 2 years of post-doctoral research. Experience in either cellular immunology, the cytoskeleton in signal transduction, redox-sensitive cellular control mechanisms, or molecular genetics would be advantageous.

In addition to an excellent salary and benefits package, Upjohn Laboratories offers a stimulating, multidisciplinary research environment at modern facilities in Kalamazoo, a southwestern Michigan community located midway between Chicago and Detroit. Our region offers an outstanding mix of cultural and recreational pursuits and an attractive cost of living.

For confidential consideration, please send your resume to: The Upjohn Company, Corporate Recruiting, Position #294, 7000 Portage Road, Kalamazoo, MI 49001. We are an equal opportunity employer with a commitment to workplace diversity.

DuPont

Advancing Science... Enhancing Life
POSITIONS OPEN

PRIVATE UNIVERSITY in northeastern Ohio seeks SENIOR RESEARCH ASSOCIATE for Division of Pulmonary/Critical Care Medicine. Successful candidate will be involved with performance of electrophysiological studies in the control of breathing and bronchotracheal tone, electrosurgical animal preparation, nerve recording, microiontophoresis of neuroactive agents into well-defined regions of various stereotaxic systems. Recording of their effects on cardiorespiratory and airway functions, immunological and neuronal tracing studies including the use of intracellular microinjection, intracardiac animal perfusion, tissue preparation, mapping of neurons, light and fluorescent microscopy. Requirements: D.V.M., M.D., or Ph.D. in Physiology with three years of research experience in job described. Preference given to three years of postdoctoral experience in respiratory physiology particularly control of breathing, neuroanatomy and neurophysiology. Working hours are 8 to 5 Monday through Friday; salary $27,681 plus benefits. Proof of legal authority to work indefinitely in the United States required. Send curriculum vitae with list of publications, names and addresses of three recent academic or professional references in duplicate (no calls) to: J. Davies, JO No. 00695, Ohio Bureau of Employment Services, P.O. Box 803, Columbus, OH 43216. Affirmative Action/Equal Opportunity Employer.

CARDIOVASCULAR RESEARCH SCIENTISTS

Applications are invited for research staff positions as independent investigators in the Montreal Heart Institute Research Centre. A physical expansion will create space for several new laboratories that will complement and interact with ongoing research programs in vascular biology, cardiovascular cellular electrophysiology and bio-physics, myocardial protection, and myocardial failure and remodelling. Candidates should have Ph.D. and/or extensive postdoctoral training in basic cardiovascular research. An interest in areas of the Centre including ion channel structure-function and regulation, the control of myocardial and vascular cell expression and growth, and factors governing the arterial response to injury and repair, are desirable. The laboratory is equipped with molecular techniques that would be a major asset. Working knowledge of French is not a precondition, but a willingness to acquire this is necessary. Full start-off funding is available, as well as support for ongoing research programs. Appropriate candidates will be eligible for tenure-track appointments on the Faculty of Medicine of the University of Montreal. Please send your application to: Dr. Stanley Nettel, Director, Centre de recherche, Institut de Cardiologie de Montréal (Montreal Heart Institute), 5000, rue Bélanger Est, Montréal (Quebec) H1T 1C8 Canada.

CELLULAR/DEVELOPMENTAL BIOLOGIST

The Reed College Biology Department intends to hire a cellular developmental biologist for a one-year leave replacement position. Candidates must have a Ph.D. or M.D., and postdoctoral research experience is desirable. Teaching responsibilities will include the equivalent of a lecture course each semester, an advanced topic seminar each semester, and supervision of several senior thesis research students. Effective teaching is of paramount importance at Reed College. Because thesis and independent research by students are core elements of our curriculum, demonstrated research competence will be a selection criterion. Please send a letter of application, curriculum vitae, samples of work published or submitted, a list of references, and a statement of teaching philosophy to: Dr. S. Arch, Biology Department, Reed College, Portland, OR 97202-8199, before January 15, 1995. Reed College is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT IN RESEARCH


POSITIONS OPEN

IMMUNOLOGIST INDIANA UNIVERSITY SCHOOL OF MEDICINE MUNCIE CENTER FOR MEDICAL EDUCATION Ball State University Muncie, Indiana

Applications are being invited for a tenure-track position in the area of immunology or neuropathology at Ball State University. The successful applicant will participate in team teaching a Microbiology/Immunology course to first year medical students and be expected to develop an active research program in an extramural funding. Applicants are expected to have postdoctoral experience, demonstrated research capability, and have a commitment to excellence in teaching. Rank and salary commensurate with experience and qualifications. Application deadline for application is December 1, 1994. Send letter of application, curriculum vitae, a brief summary of research and teaching experience and three references to: Dr. Douglas A. Tripplett, Indiana University School of Medicine, Center for Medical Education, Ball State University, Muncie, IN 47306.

MCDONNELL SCHOLAR in Molecular Oncology at Washington University School of Medicine

The Division of Hematology/Oncology is seeking applications from physicians who want to apply the newer advances in basic sciences to oncology. The purpose of the program is to serve as a bridge between postdoctoral training and independent faculty status. The awardee will be able to devote all of her/his time to the development of an independent research program in an environment where outstanding senior investigators are available for encouragement and support. The awardee will receive $375,000 payable over three years, including a stipend of $50,000 per year. The balance of the award is to be used for supplies and technical support. The awardee will have the discretion of the awarded. Candidates must have an M.D. degree or M.D./Ph.D. degrees and have demonstrated outstanding promise for creative investigation. Applicants should submit a curriculum vitae, a statement of research experience and specific interests, and three letters of recommendation postmarked no later than December 14, 1994. Submit to: Dr. Douglas A. Tripplett, M.D., Washington University School of Medicine, Box 8125, 660 South Euclid Avenue, St. Louis, MO 63110.

PRINCIPAL ENVIRONMENTAL SCIENTISTS

Louis Berger International, Inc., a prominent, rapidly expanding environmental, planning and engineering consulting firm with offices located in 62 countries worldwide. Responsibilities include, but are not limited to, medical and chemical for long-term assignments in Indonesia, the Philippines and other international locations. Excellent salary/benefit package. Requirements include a Ph.D. or M.S. in Chemistry (or a related scientific field), environmental regulatory experience (preferably with the U.S. government), and experience working with interdisciplinary teams. Prior overseas work experience not required. Send applications, work samples and three references to: Mr. Douglas D. deRopp, Regional Director, North Carolina, Louis Berger International, Inc., PO Box 544, Durham, NC 27702.

POSITIONS OPEN

NEUROSCIENTISTS/ CARBOHYDRATE CHEMIST

CYPROS, an emerging pharmaceutical company focusing on novel drug approaches to treat ischemia, has several openings. NEUROSCIENTISTS. Requires Ph.D. degree plus two years tenure (preferably in industry) in enzymology, receptor pharmacology, and animal models, and with drugs affecting ion channels/sedative CHEMISTS. Requires Ph.D. plus zero to three years of experience in synthesis, purification, and/or analysis of small carbohydrates. Ideal candidate will have strong knowledge of synthetic methodology (as applied to manipulating sugars) and analytical chemistry. The Company offers competitive salaries, stock option plan, significant growth opportunities. Candidates should respond to: Corporate Human Resources Department, Personnel Department, 2732 Loker Avenue West, Carlsbad, CA 92008. Telephone inquiries not accepted.

LICENSED ASSOCIATE position at Iowa State University to match Iowa State University technologies with industry. Negotiate agreements. Ph.D. in a science/technical field with good understanding of research and technology development, or MBA with technical background at the college level plus two years of technology marketing. Application with names and addresses of three references to: Office of Intellec- tual Property and Technology Transfer, 214 Office & Research, Iowa State University, Ames, IA 50011 before November 11, 1994. An Equal Opportunity/ Affirmative Action Employer.

POSTDOCTORAL RESEARCH position available immediately in molecular mechanisms regulating reproductive function. Send curriculum vitae and names of three references to: Dr. Frank S. French, Director, The Laboratories for Reproductive Biology, CB No. 7500, 382 MSRB, The University of North Carolina at Chapel Hill School of Medicine, Chapel Hill, NC 27599-7500. Fax: 919-981-7310.

The University of North Carolina at Chapel Hill is an Equal Opportunity Employer. Minorities and women are encouraged to apply.

COURSES AND TRAINING

SHORT COURSE ON TIME-RESOLVED FLUORESCENCE SPECTROSCOPY

January 9–13, 1994 Baltimore, Maryland Center for Fluorescence Spectroscopy University of Maryland School of Medicine

Topics include: principles of fluorescence, time- and frequency-domain instrumentation, data analysis, anisotropy, quenching, lifetime-based sensing, fiber optics, Forster energy transfer, infrared fluorescence, and lifetime imaging and microscopy. For online/registration form, contact: Suzy Rhinehart (coordinator) or Prof. J. R. Lakowics, Department of Biological Chemistry, University of Maryland School of Medicine, 108 North Greene Street, Baltimore, MD 21201. Telephone: 410-706-8409; FAX: 410-706-8408.

SYMPOSIUM

SYMPOSIUM: Stem Cells: Prospects for the Clinic; February 6 and 7, 1995, Hyatt Rickeys, Palo Alto, CA SPEAKERS: I. Weissman, Stanford; G. Spangrude, Utah; D. Emery, MGH; R. Hoffman, Systexis; S. Heinfeld, CellPro; R. Tuschinski, SyStemix; M. Moore; Sloan Kettering; R. Mertelsmann, Germany; J. E. Wagner, Mint, R. O'Reilly, Sloan Kettering; R. Mulligan, MIT; E. Deisseroth, Introgene; D. Goeddel, Lu; L. Lebkowski, A. Chatterjee, City of Hope; D. Bodine, NIH; D. Kohn, UCLA; A. Deisseroth, M. Anderson; D. Valero, IntroGene; C. Borodic, Spain; M. Della; D. DiGregorio, Progenics; G. Ayal, Systexis; F. Gage, UCSD; S. Weiss, Calgary; J. Rhim, Penn; D. Sasaki, SyStemix; R. Knaake, Celloc; G. Reyes, SyStemix; D. F. Moore; D. F. Moore reports date Jan. 28, 1995. Organizers: J. Larrick and J. Malé.

Sponsor: 1. Palo Alto Institute of Molecular Medicine, 2. Stanford Biomedical Center, Mt. View, CA 94043. FAX: 415-694-7717; Telephone: 415-694-1420; Email: PAIMM@AOL.com.
The State of Nevada invites nominations and applications for the position of Director, Office of Science, Engineering and Technology (OSET). A principal function of the Director is to serve as a science advisor to the Governor. The broader mission of the OSET is to work in coordination with the Commission on Economic Development to establish criteria and specific goals for economic development and diversification in Nevada in the areas of science, engineering and technology; and establish and carry out policies to ensure that projects and resources in the state relating to science, engineering and technology are managed and coordinated to provide the greatest benefit to Nevadans. Also included as responsibilities of the OSET is the establishment of programs that develop and enhance the scientific and technological skills of Nevada’s students; assistance in bringing new advanced technological programs to the state; and provision of technical assistance to the Commission on Economic Development, local authorities, businesses, and industries regarding development and diversification.

Nominees and applicants must have a graduate degree in an appropriate field of science or engineering; experience in administering major scientific and engineering programs; and demonstrated experience in the development of plans and policies for state and federal governments.

This position will be established in Carson City, Nevada and the individual selected will receive an annual salary of up to $75,000 depending on qualifications and experience. Further information about the position and qualification requirements may be obtained by contacting Dr. David N. McNelis at (702) 895-4240 or Erich W. Brechtauer at (702) 895-1209.

Nominations or application letters should be submitted to:

David N. McNelis VPR-1046 University of Nevada, Las Vegas Las Vegas, Nevada 89154

Completed applications or nominations must be postmarked by the closing date of Friday, November 18, 1994.

Selection for this position will be based solely on merit. The State of Nevada employs only U.S. citizens and aliens authorized to work in the U.S.

The State of Nevada is an Equal Opportunity Employer.

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The Albany College of Pharmacy invites nominations and applications for the position of Associate Dean for Academic Affairs.

The Associate Dean for Academic Affairs reports to the President and provides leadership in all matters for the prepharmacy program and the post-baccalaureate Doctor of Pharmacy program and the six year entry-level program currently in development. The responsibilities of the Academic Dean include curricular development; faculty recruitment and development; fiscal management of Department budgets; supervision of research efforts; program evaluation of instruction; and the day-to-day operation of the instructional aspects of the College.

The successful candidate should possess an earned doctorate, preferably in the pharmaceutical disciplines; strong interpersonal skills and effective communications ability both verbal and written; a strong commitment to excellence in teaching and research; proven leadership and administrative abilities; and an enthusiastic approach to the problems and issues of pharmacy practice and the future of pharmaceutical education.

Applicants should send a letter of application, a complete curriculum vitae, including teaching, research and administrative experience, and the names of three references to:

Claire M. Lathere, Ph.D., F.C.P.
President and Dean
Albany College of Pharmacy
Union University
106 New Scotland Avenue
Albany, New York 12208

The Albany College of Pharmacy is an Equal Opportunity Employer.

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Tenure-Track Position
Assistant Professor Equivalent

Cell Biochemistry and Biology
John A. Hanover, Ph.D.

Tenure-track position available immediately to develop an independent research program in Molecular Cell Biology, as part of a newly formed department. Current staff are carrying out studies on nuclear transport, signal transduction, and intracellular trafficking of proteins and lipids. Candidates should have experience in biochemistry and cell biology with a particular emphasis on molecular approaches to biological problems. The laboratory is fully instrumented for modern biology, including a confocal and electron microscopy facility. Applicants should submit a statement of current research interests and future research goals and three letters of recommendation.

Laboratory of Cell Biochemistry and Biology
NIDDK/NIH
Bldg 8, Room 402
9000 Rockville Pike
Bethesda, MD 20892

NIDDK is an Equal Opportunity Employer

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New York University

FACULTY POSITIONS
Department of Biology

The NYU Department of Biology is undergoing a program of expansion and development. Ten faculty have been added in the past 4 years. Two new positions are currently available (subject to budgetary approval), in the areas of genetics, physiology or biochemistry. Outstanding candidates in other areas will also be considered. Appointments will be made at the assistant professor level (tenure-track), although senior appointments may be made to distinguished scientists with established research programs. Candidates are expected to establish active, externally-funded research programs and to participate in the department's teaching activities. The department offers an excellent research environment, substantial start-up packages and modern laboratory facilities. Application letter with curriculum vitae and three letters of reference should be sent to: Chairman of the Search Committee, Department of Biology, New York University, 1009 Main Building, Washington Square, New York, NY 10003.

NYU encourages applications from women and members of minority groups.

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Senior Scientist
Drug Discovery

T CELL SCIENCES has established a strong proprietary position in T cell and complement receptor technology which we are utilizing to develop pharmaceutical products for the treatment of diseases of inflammation and autoimmunity. T CELL DIAGNOSTICS, our subsidiary, manufactures and markets innovative diagnostic and research products around the world.

Molecular/Cellular Biology

Growth opportunity for individual to participate with a team in exploratory programs leading to new drug discovery. A demonstrated capability for project planning and coordination, and a clear record of scientific excellence and creativity is expected. Requires Ph.D. with minimum 2 years of postdoctoral or industrial experience. Candidates with combined training in biochemistry, immunology, cell biology or molecular biology are encouraged to apply.

T CELL SCIENCES, INC. offers competitive compensation, comprehensive benefits, and a progressive work environment. For immediate, confidential consideration please forward CV to Human Resources, T CELL SCIENCES, INC., 115 Fourth Avenue, Needham, MA 02194 or FAX (617) 638-5693.

Equal Opportunity Employer M/F/DV
The Faculty of Science of the University of Lausanne has an opening for a full professorship in theoretical physics.

The candidate will participate in the teaching of theoretical physics, in collaboration with the other theoreticians of the University and of the Lausanne Federal Institute of Technology. At a specialized level, he or she could be charged of lectures in the domain of the relativistic quantum field theory. The candidate will be free to select a research field in which he or she will advise graduate students. It is wished he or she has strong experience in particle physics theory.

Applications (C.V., list of publications - reprints of three publications, research project and three references) should be sent before December 15, 1994 to the Dean of the Faculty of Science., CP, CH - 10 15 Lausanne. For further information contact: prof. J.J. Loeffel, Telephone: +41 21 692 37 51. Fax: 692 36 05, E-mail: juille@ula.unil.ch.

LXR Biotechnology Inc., a rapidly growing biotechnology company, specializing in the commercial applications of apoptosis, or programmed cell death, looks to fill the position of:

Clinical Director

The position will be responsible for managing clinical research and clinical affairs, working with a variety of compounds in a number of therapeutic areas, including cardiology and oncology. The successful applicant will possess broad experience in planning and supervising Phase I/II human clinical trials on significant new therapeutic products. Experience gained with a major pharmaceutical or biotechnology company in bringing new chemical entities to FDA standards is essential.

Compensation, including stock options, will be offered commensurate with experience. Applicants are invited to submit their resumes, in confidence, to the Human Resources Director, LXR Biotechnology Inc., 1401 Marina Way South, Richmond CA 94804. LXR is an equal opportunity employer.
Molecular Physiologist

PARKE-DAVIS Pharmaceutical Research seeks an experienced senior diabetes physiologist to join its Department of Signal Transduction, as part of an expanding research effort into the molecular, cellular and physiological basis of diabetes mellitus. The individual will direct a group of physiologists in evaluating insulin and drug action in animal models of diabetes and obesity, working closely with molecular and cellular biologists. An MD or PhD in physiology is required, with 4 or more years’ experience in diabetes/obesity research, and a productive record of publication. Knowledge and expertise in molecular biology is also desired. The successful candidate will join a group of highly interactive and experienced scientists, focusing on modern and innovative approaches to metabolic diseases. Demonstrated independence, creativity and the desire to work in an interactive environment are highly valued. In addition to competitive salary and benefits programs, we offer a dynamic and stimulating research environment, with the emphasis on innovation, intellectual honesty and openness and professional growth. Interested candidates may send their resume to PARKE-DAVIS Pharmaceutical Research, Box JDM-94140, Human Resources, 2800 Plymouth Road, Ann Arbor, MI 48105. “Smoke-Free Work Environment”

PARK-DAVIS
People Who Care

“Equal Opportunity in Action”

Scientific Director
National Institute of Neurological Disorders and Stroke
NIH

The National Institute of Neurological Disorders and Stroke (NINDS) seeks a Director for the Division of Intramural Research. The Scientific Director is responsible for planning, directing and coordinating basic and clinical research carried out by the 22 laboratories and branches in the Intramural Research Program which has an annual budget of approximately $75 million and a scientific staff of approximately 400. Applicants must have a record of scientific excellence in neuroscience or related research, broad familiarity with contemporary research in neuroscience and neurology, and experience in scientific administration. Both M.D.s and Ph.D.s are invited to apply. The position is a Civil Service position in the Senior Executive Service. Public Health Service Officers within the Commissioned Corps are also eligible.

Applicants should submit a current curriculum vitae and bibliography to Mr. Alfred L. Salas, National Institutes of Health, NINDS Personnel Office, Building 31, Room 8A23, 31 Center Dr., MSC 2540, Bethesda, Maryland 20893-2540. Applicants are required to submit an Application for Federal Employment (SF-171), available at all Federal Job Information Centers, or which can be obtained from Mr. Salas at (301-496-6334).

Applications must be postmarked by November 28, 1994.

Selection for this position will be based solely on merit with no discrimination for non-merit reasons such as race, color, religion, sex, national origin, politics, marital status, sexual orientation, physical or mental handicap, age, or membership or non-membership in an employee organization.

NIH IS AN EQUAL OPPORTUNITY EMPLOYER AND ACTIVELY SOLICITS APPLICATIONS FROM UNDERREPRESENTED WOMEN, MINORITIES AND PERSONS WITH DISABILITIES

Director
Trudeau Institute

The Trudeau Institute invites applications for the position of Director. The Institute, located in Saranac Lake, N.Y. is a privately endowed laboratory engaged in basic research in the field of Immunobiology at molecular, cellular, and physiological levels, with special emphasis on the responses of experimental animals to a variety of antigenic stimuli. Including those provided by tumors, allografts, and pathogenic microorganisms. Total research space in the Institute amounts to 10,000 square feet. In addition there are several rooms equipped with micro isolator housing for small animals, a BioSafety Level 3 facility, and a 10,000 sq. ft. animal facility that breeds mice under specific pathogen free conditions. Candidates should have attained national and international stature in the field of experimental immunology, and should be actively involved in a full-time program of basic research. Inquiries and applications, which should include a current curriculum vitae, should be sent to:

The Search Committee
Trudeau Institute
P. O. Box 59
Saranac Lake, N.Y. 12983

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