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POSITIONS OPEN

ASSISTANT PROFESSOR

BIOCHEMISTRY

A tenure-track position in biochemistry is available at Brown University beginning 1 July 1992. Candidates with outstanding research and teaching ability in the area of the biochemistry of gene expression/ regulation are encouraged to apply. Applicants must have a Ph.D. or M.D. and a minimum of 2 years of postdoctoral experience. The successful candidate will be expected to develop a competitive research program, attract graduate students and postdoctoral fellows, and participate in undergraduate teaching. Applicants are encouraged to submit curriculum vitae, summary of research interests, and three letters of recommendation by 1 January 1992 to: Dr. John Higgins, Section of Biochemistry, Box G-J261, Brown University, Providence, RI 02912.

Telephone #401-863-2540

E Mail: ME599001 [at] Brown VM

Brown University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN BIOCHEMISTRY.

The Biochemistry Department of the Department of Chemistry of Purdue University invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. Candidates should have a Ph.D. degree and postdoctoral experience in a current field of biochemistry, and should demonstrate exceptional promise in research and teaching. Applications including (1) curriculum vitae, (2) a 2-page summary of research and teaching activities, (3) addresses and telephone numbers of three to five references, (3) a description of current research activities, and (4) a statement of future research interests should be sent to: Professor Harvey Morrison, Attention: Biochemistry Faculty Search Committee, Department of Chemistry, Purdue University, West Lafayette, IN 47907-1393. Applications will be accepted until 1 December 1991 or until a qualified candidate is found. Purdue University is an Affirmative Action/Equal Opportunity Employer.

BIOLOGY FACULTY.

Full-time, tenure-track ASSISTANT PROFESSOR faculty position in botany/plant physiology beginning September 1992. Individual is expected to teach plant physiology, general botany, introduction to environmental science, ecosystem ecology as needed, and introductory biology to nonmajors. Candidate will be assigned advisees in the environmental science program. College teaching experience and Ph.D. required. Applications will be accepted until 1 December 1991 or until a qualified candidate is found. Colorado State University is an Equal Opportunity/Ethnic Minorities Affirmative Action University.

SPELMAN COLLEGE

TENURE-TRACK POSITIONS

Spelman College invites applications for the tenure-track positions listed below for the 1992-93 academic year beginning August 1992. Founded in 1881, Spelman College is a private 4-year liberal arts college located in Atlanta, Georgia. The oldest predominantly black college for women in the United States, Spelman is a member of the Atlanta University Center. Spelman College seeks faculty dedicated to excellence in teaching and research and seeks to attract and employ underrepresented minority groups. Spelman College is an Equal Opportunity, Affirmative Action Employer.

BIOLOGY.

ASSISTANT PROFESSOR.

Spelman College seeks candidates with special interest in neurobiology. Responsibilities include teaching courses in general biology as well as neuroscience, and carrying on research that involves undergraduates. Ph.D. required; postdoctoral experience desired. ASSISTANT PROFESSOR, tenure-track position available. Responsibilities include teaching courses in general biology as well as molecular genetics and carrying on research that involves undergraduates. Ph.D. required; postdoctoral experience desired. Send letter of application, curriculum vitae and three letters of recommendation to: Dr. Betty G. Lewis, Chair, Search Committee, Department of Biology, Spelman College, Box 264, 380 Spelman Lane S.W., Atlanta, GA 30314.

Spelman College is an Equal Opportunity, Affirmative Action Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR

The Department of Biology of Queens College of the City University of New York is seeking applications for a full-time, tenure-track position to begin in fall 1992. Applicants must have a Ph.D., appropriate postdoctoral training, and demonstrated ability to establish a strong research program. Ph.D. must be in an area in evolutionary biology. Competitive salary ($30,078 to $49,026, commensurate with qualifications and experience) and start-up funds are available. The department has an excellent laboratory space in a new building provided with high-level core equipment and animal facilities. Queens College offers a stimulating scientific environment and is committed to high quality teaching. Participation in both undergraduate and Ph.D. level programs is expected.

Candidates should submit curriculum vitae and request that three letters of recommendation be sent to the Search Committee. A summary of present and future research interests is also required. Applications will be accepted until 3 January 1992 and should be sent to: Dr. C. Ferris, Chair, Search Committee, Department of Biology, Queens College of CUNY, 65-30 Kissena Boulevard, Flushing, NY 11367.

Queens College/CUNY is an Affirmative Action/Equal Opportunity Employer. Women, minorities and disabled individuals are encouraged to apply.

Connecticut College will be making TWO TENURE-TRACK FACULTY APPOINTMENTS starting in 1992-93, one each in the Departments of Botany and Zoology. Both positions will be filled at the ASSISTANT PROFESSOR level.

1. The botany position will seek an individual who will enhance the teaching and research of the department. Areas of interest include cell biology, plant development, electron microscopy. Co-responsibilities include cell biology laboratory, cell structure and development; cell biology courses at both the undergraduate and graduate level.

2. The zoology position is in molecular biology. Research interests may emphasize either prokaryotic or eukaryotic organisms. Co-responsibilities include a college biology course in an area of interest, and participation in general zoology.

Each department has five regular faculty and a laboratory instructor. The two departments share research facilities and teaching with a number of faculty including a cell biology laboratory. Teaching and research are considered mutually supportive and faculty are expected to sustain active research programs involving undergraduates.

Connecticut College is a highly selective, coeducational private liberal arts college with a student body of about 1000 undergraduates. Faculty normally teach 5 courses per year; each laboratory section counts as a course. Untenured faculty are expected to make full-time appointments. Full-time appointments receive funding for summer and other research.

Applicants should submit curriculum vitae and a statement of teaching and research interests, and should arrange for three letters of reference. The deadline is 2 January 1992. Address for Botany Department position is Dr. William A. Niering, Box 5511, Connecticut College, 270 Mohegan Avenue, New London, CT 06320-4196; for the Zoology Department position, Dr. Robert A. Askins, Box 5461, Connecticut College, 270 Mohegan Avenue, New London, CT 06320-4196.

Connecticut College is an Affirmative Action/Equal Opportunity Employer and is actively seeking to increase the diversity of its faculty and staff.

ASSISTANT PROFESSOR POSITIONS

The University of Nevada, Reno (UNR) seeks two innovative, student-centered faculty members to fill positions in animal physiological ecology and plant systematics. The successful candidates will be expected to develop nationally recognized, extramurally funded research programs, contribute to a new and rapidly growing interdisciplinary graduate program in ecology, evolution and conservation biology, and participate in undergraduate teaching. Ph.D. in Ecology, Evolutionary Biology or a related discipline is required. Experience in research on taxa of desert and/or montane ecosystems desirable. Salaries commensurate with qualifications and experience. Applications will be accepted until 1 December 1991. Send letter outlining research and teaching interests and experience, current curriculum vitae and the names of at least three references to: Dr. Peter F. Brussard, Chairman, Department of Biology, University of Nevada, Reno, NV 89557. UNR is an Equal Opportunity, Affirmative Action Employer.
A TIME FOR ACHIEVEMENT

The recent opening of the Glaxo Inc. Girolami Research Institute, located in Research Triangle Park, North Carolina, represents our monumental commitment in the pharmaceutical industry to the discovery of drugs for unmet patient needs. Come to Glaxo Inc., one of the largest pharmaceutical firms in the U.S., and experience the challenges and accomplishments a future with us holds for you. The following opportunities are now available.

SENIOR SCIENTIST

The successful candidate will have a Ph.D. in Pharmacology, or a related discipline, with extensive experience in receptor biochemistry. Preference will be given to individuals with a strong background in receptor isolation, characterization and reconstitution.

Please refer to Job #9115BB823-SC on all resumes.

ASSOCIATE SCIENTIST

The successful candidate will have a BS/MS in a Life Science with experience in cell/tissue culture, receptor binding techniques and biochemical assay development. Preference will be given to individuals with experience investigating intracellular messenger systems (phospholipases C and D and relevant products).

Please refer to Job #9115BB818-SC on all resumes.

POSTDOCTORAL FELLOW

The successful candidate will have a Ph.D. in a Life Science with 0-2 years previous postdoctoral research experience and a keen interest in the general areas of receptors and cell signaling.

Please refer to Job #9115-SC on all resumes.

*The three above positions are available immediately and represent challenging opportunities for energetic and innovative scientists in the general areas of RECEPTOR RESEARCH and TRANSMEMBRANE SIGNALLING. These individuals will function as integral members of multi-faceted teams committed to the discovery and development of therapeutics.

TOXICOLOGISTS

Drug Safety Assessment (2 Openings)

While assisting Senior Toxicologists, the selected individuals will be responsible for the planning, execution, interpretation and reporting of general toxicology studies to include the monitoring of contracted safety assessment studies.

Candidates should possess a BS or MS Degree in Toxicology, or a related area, with 3-7 years relevant experience, to include a minimum of 3 years experience conducting GLP Toxicology studies in the pharmaceutical or contract industries.

Please refer to Job #8111X05/057-SC on all resumes.

HISTOLOGY LABORATORY SUPERVISOR

This exciting opening (B.A., H.T., H.T.L.) within our new histology laboratory will be responsible for setting up, managing and directing the laboratory for veterinary specimens. Duties will include establishing, meeting, and scheduling deadlines for routine toxicologic histology (paraffin, plastic and frozen sections).

Background must include a BS in Medical Technology with 5-7 years GLP experience, preferably in an industrial or contract safety testing/toxicology laboratory situation, or an MS Degree with 3-5 years relevant experience. Certification by ASCP is required, along with experience in various special and standard stains and immunocytochemistry. Previous management experience is preferred.

Please refer to Job #8111B206-SC on all resumes.

POSTDOCTORAL FELLOW

Mass Spectrometry

As part of our continued commitment to excellence in scientific research, we have an established and successful program for a Postdoctoral Fellow in the area of Mass Spectrometry.

Experience in biopolymer mass spectrometry or protein biochemistry is desirable to study electrospary ionization mass spectrometry of proteins and glycoproteins. Instrumentation includes a Sciex API-III triple quadrupole and JEOL SX-102, double focusing sector mass spectrometer. We maintain a stimulating environment with an active seminar program and have strong interactions with neighboring universities. Publication of research results is strongly encouraged.

Please refer to Job #9141T703-SC on all resumes.

Join Glaxo and enjoy excellent salaries, flexible benefits, an on-site recreation and fitness center, a spirit of enthusiasm and teamwork and outstanding opportunities for career satisfaction. Equally appealing is our world famous scientific, industrial and academic community in Research Triangle Park, N.C.

Send your resume, including salary history and three references, INDICATING THE CORRESPONDING JOB #, to Human Resources Department, Glaxo Inc., P.O. Box 13398, Research Triangle Park, NC 27709. (No Phone Calls or Agency Referrals, Please.) An Equal Opportunity Employer M/F/HIV.

Glaxo Inc.
**DEAN**

**SCHOOL OF COMPUTER SCIENCE**

Carnegie Mellon University invites qualified applications and nominations for the position of Dean of the School of Computer Science. The Dean is responsible for the administration and supervision of all aspects of the School, which includes PhD programs in Computer Science, Robotics, Algorithms, Combinatorics & Optimization and Pure & Applied Logic. The School is home to the Robotics Institute, the Center for Machine Translation, the Information Technology Center, an undergraduate Computer Science program and a Masters program in Software Engineering. Research is actively pursued in an exceptionally broad range of areas including artificial intelligence, theory of computation, computer systems, programming systems, vision, manipulation and robotics. Carnegie Mellon and the School of Computer Science place special emphasis on basic research, interdisciplinary cooperation and the transfer of research technology to society at large.

Candidate must be a nationally recognized leader in Computer Science with a record of excellence in teaching and research and a proven record of administrative ability.

Nominations and applications will be accepted until January 1, 1992. Curriculum vitae should be sent to: Professor Merrick L. Furst, Chair of the Dean Search Committee, School of Computer Science, **Carnegie Mellon University, 500 Forbes Avenue, Pittsburgh, PA 15213-3890.** An Affirmative Action/Equal Opportunity Employer.

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**POSITIONS OPEN**

**ASSISTANT PROFESSOR, BIOLOGY.** Ohio University. Tenure-track position beginning fall 1992. We are looking for a broadly trained biologist to teach comparative vertebrate anatomy, a core course in the undergraduate biology curriculum. Other teaching will be required. Candidates must have a Ph.D. (postdoctoral experience preferred) and be able to maintain a fundable independent research program. Research area is open; we want to complement the existing breadth in a department of 45 faculty and 85 M.S./Ph.D. students. Minimum salary: $34,000. Please send curriculum vitae, statement of research and teaching interests, and three letters of recommendation by 31 December 1991 to: Jean Witkowski, Department of Biological Sciences, Ohio University, Athens, OH 45701.

**BIOCHEMIST.** Knox College invites applications for the new faculty position of biochemist at the ASSISTANT PROFESSOR rank with a joint appointment in biology and chemistry. It is funded by a Howard Hughes Medical Institute grant to Knox. The candidate is expected to teach introductory chemistry and biochemistry as well as upper-level biochemistry courses. Undergraduate research is an essential part of our program and the candidate will develop an undergraduate research program. Central to the expectations for this position will be to assist biology and chemistry to shape a new biochemistry major. A Ph.D. in biochemistry is required; some experience in cell culture methods is preferred. The Biology and Chemistry Departments are renowned for the vigor of their programs, quality of the facilities, and extent of undergraduate research. The Chemistry Department is ACS certified. Apply send current curriculum vitae, transcripts, three letters of recommendation, and a description of a research program that could involve an undergraduate student to: Robert Kooser, Director-Knox HHMI Program, K46, Knox College, Galesburg, IL 61401. Knox College is an Affirmative Action/Equal Opportunity Employer. With its history of commitment to equal rights, Knox especially encourages women and minorities to apply. Application review begins in mid-December and continues until the position is filled.

**ASSISTANT PROFESSOR**

The Department of Anatomy and Cell Biology invites applications for a 12-month, tenure-track Assistant Professor position. The Ph.D. or M.D. degree is required as well as postdoctoral experience. The applicant will be expected to teach in the gross anatomy medical school course and preference will be given to those with prior teaching experience. The applicant will also be expected to maintain an independent research program with extramural support, and to participate in graduate education. Current research interests in the department include neuroscience, and developmental and molecular biology. Applicants should send curriculum vitae, a statement of research interests, and three letters of recommendation to: Dr. Paulette Bernd, Department of Anatomy and Cell Biology, State University of New York Health Science Center at Brooklyn, 450 Clarkson Avenue, Box 5, Brooklyn, NY 11203. Equal Opportunity/Affirmative Action Employer. DMC #C0370.

**BIOLOGIST**

Hampden-Sydney College seeks to fill a tenure-track position at the ASSISTANT PROFESSOR level, to start in August 1992. Applicants must hold a Ph.D. in a biological science, should enjoy teaching a wide range of undergraduate biology courses, should have a commitment to liberal arts education, and must be able to maintain a research program appropriate to a 4-year college, and will be expected to teach at least half of their hours at the introductory level. Hampden-Sydney College, located in rural south central Virginia, is the nation’s tenth oldest institution of higher education. It is a selective liberal arts college for men with an enrollment of 970. The Department of Biology has five faculty members with specialties in biochemistry and genetics; cell biology and development; invertebrate and evolutionary biology; microbiology and plant biology; and ecology and marine biology. The department graduates about 20 majors each year. Applicants should send curriculum vitae and three letters of recommendation to: Dr. Anne C. Lund, Chair of the Search Committee, Box 3, Department of Biology, Hampden-Sydney College, Hampden-Sydney, VA 23943. The application deadline is 16 December 1991. Hampden-Sydney is an Equal Opportunity/Affirmative Action Employer.

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**Director of Pharmaceutical Development/Drug Delivery Research**

ACCESS Pharmaceuticals, Inc. is seeking an outstanding hands-on scientist with extensive industrial product-development experience and research and management expertise to direct a growing group of formulations and analytical scientists engaged in developing novel sterile/semi-sterile parenteral dosage forms (initially, coated nanodispersions) and to conduct lead ACCESS-related scientific and formulations research. This individual will direct and carry out the preparation of laboratory and pilot-scale formulations, direct the development of analytical methods, direct and carry out in-house research, coordinate collaborative studies, address regulatory issues, and help oversee technology transfer to manufacturing and clients.

This challenging position requires a Ph.D. in pharmaceutics with strong scientific background in physical pharmacy and a preferred undergraduate degree in pharmacy, chemistry or biochemistry. Scientific and practical experience is required to address both new and standard issues in solid-dispersion formulation, small-particle and surface chemistry/analysis, stability testing, and regulatory interfaces related to sterile, parenteral products. Facility with computers is also needed. This individual should currently hold a position as Director of Development/Research or Group Leader with direct, senior managerial responsibility.

ACCESS Pharmaceuticals is a closely held corporation engaged in the development of leading-edge, non-antibody, non-liposome, hydrophilic formulations of therapeutic and diagnostic agents (Hydroosomes™) with improved ACCESS to target tissues and sites of disease. Send full resume with publications and references to: Dr. David Ranney, ACCESS Pharmaceuticals, Inc., 2600 N. Stemmons Fwy, Suite 210, Dallas, TX 75207. An equal opportunity employer. No agencies please. ACCESS Pharmaceuticals, Inc.
applications are invited for a tenure-track faculty position in the department of molecular biology at the level of assistant professor. we seek an individual with a strong experimental background in molecular biology whose research interests may include molecular aspects of microbial pathogenesis or virology. a number of other areas of research interests, however, could compensate existing programs and aid the department's continuing development. the successful candidate will be expected to develop or transfer an active research program, be committed to excellence in teaching at the undergraduate and graduate levels, and to interact with other faculty in a vigorous research environment. only applicants with a strong research record and the ability to develop extra-supported research programs will be considered. the department has excellent facilities and is planning to add a number of new faculty during the next several years. start-up funds are available and salary will be competitive. laramie is located in the rocky mountains and affords easy access to a number of outdoor activities.

screening of candidates will begin 2 january 1992. applicants should submit curriculum vitae, bibliography, statement of research and teaching interests and plans, as well as three letters of reference to: chairman, department of molecular biology, university of wyoming, laramie, wy 82071-3944. the university of wyoming is an affirmative action/equal opportunity employer.

plant physiology
the ohio state university
this is a 9-month, tenure-track position at the assistant professor level. postdoctoral experience is expected. the successful applicant shall develop a modern, externally funded research program, direct graduate students, and teach at the advanced and introductory levels. send curriculum vitae, reprints, statements of research interests and teaching philosophy, and names, addresses, telephone and/or fax numbers of three references by 6 january 1992 to: dr. roger p. hangarter, search committee, department of plant biology, the ohio state university, 1738 nell avenue, columbus, oh 43210. the ohio state university is an equal opportunity/affirmative action employer; applications from women and minorities are especially encouraged.

ecologist
the department of ecology, evolution and behavior invites applicants for a tenure-track assistant professorship. we seek applicants who have demonstrated outstanding research ability in any ecological discipline, and are especially interested in community/ecosystem ecology or behavioral/evolutionary ecology. duties include teaching an undergraduate and a specialty course, and establishment of an active program of research and graduate training. applicants should submit curriculum vitae, reprints, and have three letters of recommendation sent to: chair, search committee, department of ecology, evolution and behavior, 318 church street s.e., university of minnesota, minneapolis, mn 55455. the university of minnesota is an equal opportunity employer and educator.

molecular evolution
the department of biological sciences, university of denver is seeking applications for a tenure-track position at the assistant professor level beginning 1 september 1992. the successful applicant will be expected to demonstrate research productivity, actively pursue extramural support, and direct graduate students at the m.s. and ph.d. levels. teaching responsibilities will include an undergraduate course in evolutionary biology and other courses dependent on research interests but consistent with conducting a strong research program. postdoctoral experience required. applicants should send curriculum vitae, statements of research and teaching plans, and three letters of reference to: dr. james fogelman, chair, molecular evolution search committee, department of biological sciences, university of denver, denver, co 80208. deadline: 15 january 1992. the university of denver is committed to enhancing the diversity of its faculty and staff and encourages applications particularly from women, minorities and the disabled.

positions open
faculty position
department of molecular biology
university of wyoming
applications are invited for a tenure-track faculty position in the department of molecular biology at the level of assistant professor. we seek an individual with a strong experimental background in molecular biology whose research interests may include molecular aspects of microbial pathogenesis or virology. a number of other areas of research interests, however, could compensate existing programs and aid the department's continuing development. the successful candidate will be expected to develop or transfer an active research program, be committed to excellence in teaching at the undergraduate and graduate levels, and to interact with other faculty in a vigorous research environment. only applicants with a strong research record and the ability to develop extra-supported research programs will be considered. the department has excellent facilities and is planning to add a number of new faculty during the next several years. start-up funds are available and salary will be competitive. laramie is located in the rocky mountains and affords easy access to a number of outdoor activities.

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POSITIONS OPEN

ASSISTANT PROFESSOR, BIOLOGICALLY ORGANIZED CHEMISTRY

The Department of Chemistry and Biochemistry invites applications for a junior faculty position. New candidates must hold a Ph.D. or equivalent in chemistry or a related field, demonstrated record of excellence in teaching and research, and a commitment to research interests in bioinorganic chemistry, and a commitment to and a talent for teaching at both the undergraduate and graduate levels. Interested applicants should submit curriculum vitae, a brief summary of research interests and three confidential letters of recommendation to: Professor John F. Komarek, Chair, Bioinorganic Search Committee, Department of Chemistry, University of California, Santa Cruz, CA 95064. Reference: Provision #234-912 all correspondence. UCSC is an Equal Opportunity/Affirmative Action/ADA Employer. We especially welcome applications from qualified women and minority candidates. Closing date for the receipt of completed applications is 15 December 1991.

FACULTY POSITIONS
DEPARTMENT OF PHARMACOLOGY

The Department of Pharmacology at Stanford University invites applications for tenure-track positions at the ASSISTANT PROFESSOR level. Candidates must have a Ph.D. or M.D. degree and postdoctoral research experience. Candidates should have a demonstrated ability in developing independent research programs and have a commitment to teaching. Candidates should be interested in developing independent research programs that utilize biochemical, genetic, pharmacological and/or toxicological approaches to analyze problems of pharmacological interest, particularly in the areas of cancer biology or neuroscience. Appointees may be faculty members with strong research programs in signal transduction, hormone action, gene regulation, and cell growth and differentiation. Appointees will also participate in teaching medical pharmacology and in graduate (Ph.D.) training in a stimulating medical environment. Stanford University is committed to increasing representation of minority groups on its faculty and particularly encourages applications from such candidates. Candidate should send curriculum vitae, a description of future research plans, and at least three letters of reference to: J. James Whitley, Jr., M.D., Department of Pharmacology, Stanford University School of Medicine, Stanford, CA 94305–3332.

ASSISTANT PROFESSOR
DEPARTMENT OF MEDICINE
THE UNIVERSITY OF CALIFORNIA

The Department of Medicine at the University of California, San Francisco is seeking a junior faculty member at the Assistant Professor level. The successful candidate will be expected to take responsibility for organizing a teaching and research program devoted to the autoimmune diseases. It is expected that the successful candidate will generate his/her own salary from outside grant support. Research space is available in the Hormone Research Institute. The successful candidate should have a strong national and international reputation in the field of autoimmune disease, particularly with relevance to insulin-dependent diabetes. Preference will be given to candidates who already have independent research support. Please send curriculum vitae, a statement of teaching and research interests, and three letters of recommendation to: Dr. John Nemec, Chair, Hormone Research Institute, University of California, San Francisco, CA 94143–0834. Deadline for applications is 15 December 1991. The University of California at San Francisco is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

MARINE GEOLOGIST, ASSISTANT PROFESSOR

The Department of Geology and Geophysics at Brown University invites applications for an assistant professor position. The successful candidate will have a demonstrated interest in the study of marine geologic processes. The applicant should hold a Ph.D. in marine geology, and have an established record of research in the field. Please send curriculum vitae, a statement of research interests, and three letters of recommendation to: Dr. John E. Valentine, Chair, Department of Geology and Geophysics, Brown University, Providence, RI 02912.

POSITIONS OPEN

BARNARD COLLEGE

BIOSTATISTICS/EPIDEMOLOGY

The Department of Biological Science at Barnard College seeks an assistant professor for September 1992 to participate in undergraduate teaching and maintain an active research program in an undergraduate course that is part of a joint research institution, Columbia University.

SPECIALTY MAY INCLUDE ENDOCRINOLOGY, GENETIC EPIDEMIOLOGY OR OTHER AREAS OF BIOLICAL INTEREST. CANDIDATES SHOULD BE BROADLY TRAINED AND ABLE TO TEACH UNDERGRADUATE COURSES IN BIOSTATISTICS AND EPIDEMIOLOGY AS WELL AS OTHER COURSES WITH QUANTITATIVE AND/OR BIOLOGICAL CONTENT.

POSITIONS OPEN

FACULTY POSITION
MOLECULAR VIROLOGIST

The Department of Medical Microbiology and Immunology at The Ohio State University College of Medicine is seeking applications for a tenure-track position at the level of ASSOCIATE PROFESSOR in the area of molecular virology. Preference will be given to candidates whose research involves molecular studies on retroviruses, although strong candidates in other areas of molecular virology will be considered. The successful candidate is expected to develop a strong independent research program in her/his area of expertise, be involved with the training of graduate students and postdoctoral as well as other courses with quantitative and/or biological content.

Ph.D. required; postdoctoral research and prior teaching experience desirable. Submit curriculum vitae, list of publications, and names of three references to: Dr. Ronald Glaser, Chairperson, Department of Medical Microbiology and Immunology, 333 West 10th Avenue, The Ohio State University Medical Center, Columbus, OH 43210. The Ohio State University is an Equal Opportunity/Affirmative Action Employer.

YALE UNIVERSITY
SCHOOL OF MEDICINE
DEPARTMENT OF CELLULAR AND MOLECULAR PHYSIOLOGY

TWO JUNIOR FACULTY POSITIONS

Applicants are solicited for two tenure-track positions at the rank of ASSISTANT/ASSOCIATE PROFESSOR in the area of cellular and molecular physiology. The Department of Cellular and Molecular Physiology, Yale University School of Medicine. Candidates must hold an M.D., Ph.D. or equivalent degree and have experience and interest in teaching undergraduate and/or graduate courses in physiological and/or molecular levels. We are especially interested in candidates with experience in the areas of membrane biology, neuroscience, and signal transduction. Opportunities are available for collaborative and independent research as well as for graduate and medical student teaching.

Applications should be sent to: Dr. Walter Edelman, Chairman, Department of Cellular and Molecular Physiology, 333 Cedar Street, P.O. Box 3333 New Haven, CT 06520. Yale University is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITIONS
STATE UNIVERSITY OF NEW YORK
AT STONY BROOK (SUNY)

Applications are invited for tenure- and non tenure-track positions at the rank of ASSISTANT OR ASSOCIATE PROFESSOR in the Department of Pharmacological Sciences. A Ph.D. and/or M.D. degree is required. Candidates must have a strong commitment to basic research. The department is essentially non-classical in nature and is oriented towards biomedical research at the cellular and molecular level. Ongoing research programs include metabolic architecture, chemical carcinogenesis, molecular endocrinology, lipo-protein molecular biology, gene regulation, DNA repair, cell differentiation and transmembrane signaling. There are also special centers for genetic engineering, DNA synthesis, monoclonal antibody production and state-of-the-art facilities for mass spectrometry and NMR spectroscopy. Applications will be reviewed periodically. Please send curriculum vitae, a description of research interests, publications, and names of three references to: Dr. Carl S. Golden, Chair, Department of Pharmacological Sciences, School of Medicine, SUNY at Stony Brook, Stony Brook, NY 11794–8651.

SUNY Stony Brook is an Affirmative Action/Equal Opportunity Educator and Employer.

SCIENCE, VOL. 254
The field of ophthalmic pharmacological research and development is a competitive one. To meet this challenge, IOLAB of Johnson & Johnson is building a world class team. Team openings include:

**Director, Ophthalmic Pharmacology & Toxicology:** Responsible for the discovery, characterization, and selection of ophthalmic pharmaceutical agents for further development. The preferred candidate will have a Ph.D. in pharmacology or biochemistry, 5 plus years in ophthalmic pharmacology, and 3 plus years of scientific management.

**Director of Pharmaceutical Development:** Responsible for all activities and processes needed to optimally develop pharmaceutical forms needed for treatment of ophthalmic disorders and/or to improve vision care. Will plan, direct, and coordinate the product development group for optimal scale-up. The preferred candidate will have a Ph.D., 7 years minimum pharmaceutical development experience, and 2 plus years scientific management.

Additional R&D Team members needed: (Ph.D.'s preferred)

- **Pharmacology/Toxicology Scientist**
- **Pharmaceutical Product Development Chemist**
- **Physical Pharmacist or Preformulation Chemist**

IOLAB is committed to being an equal opportunity employer and encourages women and minorities to apply. For consideration, submit your C.V. and salary history to: Paul Krueger, Ph.D., Human Resources, IOLAB of Johnson & Johnson, 500 IOLAB Drive, Claremont, CA 91711.

Winning...Because We Set Our Sights Higher.
Meeting Announcement

The Department of Nutrition, University of North Carolina at Chapel Hill
is sponsoring a conference on:
Choline Phospholipids: Molecular Mechanisms for Human Diseases

April 3rd and 4th, 1992
Hotel del Coronado, San Diego, CA

Cardiovascular Disease and Platelet Activating Factor
Richard W. Gross, M.D., Ph.D.; Washington University School of Medicine
Stephen M. Prescott, M.D.; University of Utah
John M. Johnston, Ph.D.; University of Texas Southwestern Medical School
Eugene P. Kennedy, Ph.D.; Harvard Medical School

Signal Transduction and Carcinogenesis
Steven Zeisel, M.D., Ph.D.; University of North Carolina at Chapel Hill
I. Bernard Weinstein, M.D.; Columbia University College of Physicians and Surgeons
Alfred H. Merrill, Jr., Ph.D.; Emory University School of Medicine
John H. Eton, M.D., Ph.D.; Vanderbilt University
Robert M. Bell, Ph.D.; Duke University Medical Center

Strategies for Influencing Phospholipid-mediated Processes
Richard J. Wurtman, M.D.; Massachusetts Institute of Technology
Dennis E. Vance, Ph.D.; University of Alberta School of Medicine
Rosaland A. Coleman, M.D.; University of North Carolina at Chapel Hill
Claudia Kent, Ph.D.; University of Michigan
Jan K. Elbein, Ph.D.; Boston University School of Medicine

An approved satellite meeting of the American Institute of Nutrition, a constituent society of FASEB

Attendance will be by invitation only. Meeting will be limited to 100 attendees. Some travel grants will be available.

Support for this conference has been provided by Central Soya.

Send an NIH-style curriculum vitae (or, for doctoral students, a letter from your advisor) to:
Steven H. Zeisel, M.D., Ph.D.
Department of Nutrition
University of North Carolina at Chapel Hill
CB#7400, Chapel Hill, NC 27599-7400
FAX # 919 966-7216

We're California Biotechnology, an emerging leader engaged in the discovery, development and commercialization of human therapeutics.

SR. SCIENTIST
-Protein Biochemistry-
Playing a key role in our Tissue Repair Group, you'll work on the isolation and structural analysis of natural and recombinant versions of proteins involved in growth control. You'll also develop schemes for the purification of these proteins in sufficient amounts and purity for animal studies. We require a PhD in Biochemistry or a related area and 2+ years' post-doctorate or industry experience. Knowledge of protein purification and structural analysis techniques is necessary. Additional opportunities not requiring PhDs are also available. Job Code JA/AJ

POST-DOCTORAL SCIENTIST
We currently have openings in the areas of molecular biology, protein chemistry and cell biology. Successful candidates will carry out research regarding cardiopulmonary disease, tissue repair, and/or metabolic disorders. These positions require a PhD in a relevant discipline. Job Code BB/BJ

Please send your resume or C.V., indicating appropriate Job Code, to: California Biotechnology Inc., Human Resources, 2450 Bayshore Pkwy., Mountain View, CA 94043. Or FAX to: (415) 968-2438. Equal Opportunity Employer

DRUG DISCOVERY
CONFERENCE & EXHIBITION
December 4, 5 and 6, 1991
East Brunswick (Princeton area), New Jersey, U.S.A.

TMG announces a conference on screening, rational drug design, new sources, and manufacturing, patent and regulatory issues. Speakers include key individuals from:

Alpha-Beta Technology
Amoco Technology
BioCryst
Cambridge Neuroscience
Cray Research
Esagenetics
Genentech
Glaxo
Immunopharmaceutics
Martek
Pharmagenesis
PMA (Japan)
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Shaman
Synthecell
Terrapin
Tripos
Upjohn
U.S. NCI
Xenova
Strathclyde

Half price for non-profit registrants

International Journal of Drug Discovery

In the first quarter of 1992, TMG will begin publishing a journal on drug discovery. For a sample issue, advertising, or author submission information, mail or fax your request on your letterhead to TMG.

Related TMG Market Reports-Published 10/91

Molecular Modeling of Pharmaceuticals ..........................$3,595
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For information, contact:
Technology Management Group, Dept. NSA91
25 Science Park, New Haven, CT 06511-1968 U.S.A.
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Attn: Human Resources
11099 N. Torrey Pines Road
La Jolla, CA 92037

Equal Opportunity Affirmative Action Employer
**ENVIRONMENTAL SPECIALIST**

Our Environmental Affairs Division has a position available wherein an experienced environmental specialist can continue professional growth through a diversity of assignments.

The successful applicant will have an understanding of EPA regulations and a demonstrated expertise in at least one area of environmental specialty. Experience in air quality data analysis or in hazardous waste management desired. Excellent oral and written communication skills necessary as position involves dealing with regulatory agencies, contractors, public officials and other professionals on a regular basis. Bachelor’s degree in science, engineering or a related field required.

We offer an excellent benefits package in addition to a competitive salary commensurate with qualifications. For consideration, please forward your confidential resume including recent salary history to:

Diana L. McCoy  
The Cincinnati Gas & Electric Co.  
P.O. Box 960  
Cincinnati, Ohio 45201

CG&E The Energy Service Company  
An Equal Opportunity Employer

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**Molecular Biologists**

We are building state-of-the-art molecular biology capabilities and seeking highly motivated, hardworking individuals with a track record of accomplishments. Experience in many aspects of modern molecular biology is required, and familiarity with receptor cDNA cloning, mammalian cell gene expression and analysis is a plus. We are seeking individuals with a Ph.D. and 0-4 years' postdoctoral experience, as well as candidates with a B.S./M.S. and one or more years of laboratory experience. Box P.

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**Biochemists/Cell Biologists**

• Research Scientist or Associate Research Scientist – Signal transduction. We seek an individual with a Ph.D. in a biological field and 0-3 years’ postdoctoral experience to conduct signal transduction studies in cultured cells. Previous experience in measuring intracellular mediators, particularly utilizing fluorescent probes, would be an asset, as would experience in mammalian cell culture. Box S.

• Senior Research Associate – Protein purification/characterization. We seek an individual with a B.S. or M.S. in a biological field and 5-8 years’ experience in protein purification and characterization. Experience in mammalian cell culture and in working with growth factors would be an asset. Box L.

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**Organic Chemists, Bio-Organic Chemists**

The successful individual will be responsible for managing a group in drug design and discovery. A Ph.D. with 0-5 years’ experience and a record of accomplishments is required. The ideal candidate should be proficient in state-of-the-art organic synthesis and related analytical techniques. Experience in peptide/peptidomimetic synthesis, structure-activity relationships, and/or computer modeling is highly desired. Positions are also available for B.S./M.S. chemists with appropriate backgrounds in bio-organic chemistry. Box C.

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**Process Development Chemists**

A challenging position awaits the qualified individual who can execute the transition of laboratory scale synthesis into a pilot plant reaction process. A Ph.D. in Chemistry/Chemical Engineering and 1-5 years’ experience with detailed knowledge of the physical principles of process scale-up and production is required. Responsibilities will include the development and optimization of pilot scale pharmaceutical processes and the production of support documentation for GMP manufacturing. A position is also available for a B.S./M.S. candidate who possesses experience in process optimization, process scale-up and documentation to support GMP manufacturing. Box G.

These are rare opportunities to become part of an exciting new field with a dynamic young company. Each position offers an excellent salary and benefits package in a stimulating environment with an opportunity to make a major contribution to our organization. For consideration, please send your CV, including references, in confidence to: Alkermes, Inc., Box________, 26 Landsdowne Street, Cambridge, MA 02139-4234. An Equal Opportunity Employer.

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Alkermes, Inc. is a neuropharmaceutical company developing products for the treatment of diseases of the central nervous system. With a talented team of top-tier scientists and collaborators, Alkermes is making significant advances in neuropharmaceutical research.
POSITIONS OPEN

THREE POSITIONS IN BIOLOGICAL SCIENCES FOR ACADEMIC YEAR 1992-93

ASSISTANT PROFESSOR, structural and molecular biophysics: This position involves teaching and research in protein and nucleic acid structure, conformational analysis, and crystallography. Experience in developing computerized studies is desirable. A Ph.D. degree is required. The position is available 1 July 1992. Applications should be received before 15 May 1992. Address all inquiries and application materials to: Dr. D. F. Keck, Department of Biology, College of Arts and Sciences, The Ohio State University, 101 West 18th Avenue, Columbus, OH 43210.

POSITIONS OPEN

FACULTY POSITIONS IN PHARMACOLOGY

The Department of Pharmacology at the University of Washington School of Medicine invites applications for a tenured faculty position at the level of ASSISTANT PROFESSOR. Applicants must have a relevant Ph.D. or M.D. degree, postdoctoral training, and show evidence of a strong commitment to independent research and teaching. Experience in research involving the biology of drug targets is desirable. The successful candidate will have a well-defined research program that is commensurate with the rank and experience. The position is available 1 July 1992. Applications should be received by 15 May 1992. Address all inquiries and application materials to: Dr. D. F. Keck, Department of Biology, College of Arts and Sciences, The Ohio State University, 101 West 18th Avenue, Columbus, OH 43210.

NEUROSCIENTIST CORNELL UNIVERSITY MEDICAL COLLEGE

The Department of Cell Biology and Anatomy, and Neurology and Neurosurgery invite applicants for a joint tenure-track faculty position at the ASSISTANT, ASSOCIATE or FULL PROFESSOR level. Interested individuals should submit their curriculum vitae and the names of three references to: Dr. J. M. H. plywood, Department of Cell Biology and Anatomy, Cornell University Medical College, 1300 York Avenue, New York, NY 10021. An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ACADEMIC SURGICAL PATHOLOGIST: The Department of Pathology at Harbor-UCLA Medical Center is seeking an academic surgical pathologist at the ASSISTANT/ASSOCIATE PROFESSOR level. The position is available 1 July 1992. Applications should be received by 15 May 1992. Address all inquiries and application materials to: Dr. D. F. Keck, Department of Biology, College of Arts and Sciences, The Ohio State University, 101 West 18th Avenue, Columbus, OH 43210.

ASSISTANT OR ASSOCIATE PROFESSOR, MOLECULAR VIROLOGY/VIRAL IMMUNOLOGY/VIRAL PATHOGENESIS: Medical School Microbiology and Immunology. This position requires a Ph.D. degree in molecular virology or a related field. Experience in the field of virology is desirable. The successful candidate will be expected to establish an independent research program and to obtain extramural support. The position is available 1 July 1992. Applications should be received by 15 May 1992. Address all inquiries and application materials to: Dr. D. F. Keck, Department of Biology, College of Arts and Sciences, The Ohio State University, 101 West 18th Avenue, Columbus, OH 43210.

NEUROSCIENCES

Search reopened. ASSISTANT/ASSOCIATE/PROFESSOR OF PHARMACOLOGY. A tenured or tenure-track position is available in the field of pharmacology or related disciplines. Applicants must have a Ph.D. degree and a strong research background. The successful candidate will be expected to establish an independent research program and to obtain extramural support. The position is available 1 July 1992. Applications should be received by 15 May 1992. Address all inquiries and application materials to: Dr. D. F. Keck, Department of Biology, College of Arts and Sciences, The Ohio State University, 101 West 18th Avenue, Columbus, OH 43210.

Send curriculum vitae and names of three references to: Brian A. Curtis, Ph.D., Chair, Search Committee, Department of Neuroscience, University of Illinois College of Medicine at Peoria, P.O. Box 1649, Peoria, IL 61686. For informal discussion, telephone: 309-671-8537.
Cancer Research Campaign

- We are the largest funder of cancer research in British universities and medical schools and will be spending over £44m in 1992.
- We have developed a strong interface between research and clinical therapy, facilitating the effective development and implementation of cancer treatments.
- We are committed to the career progression of scientists through a co-ordinated programme of basic and applied medical research fellowships.

**CRC RETURN FELLOWSHIPS**

The Cancer Research Campaign announces its 1992/93 Return Fellowship Programme to encourage the return to the UK of outstanding young research scientists currently working abroad. Candidates should have a PhD, normally be aged less than 40 years and have completed at least one three year period working in an overseas laboratory. A CRC Return Fellowship may be held in any CRC-funded Research Institute, Laboratory or Research Group, or alternatively in an appropriate UK university department, subject to the usual CRC funding restrictions. A CRC Return Fellowship, which will provide both personal and research support, will normally be awarded for six years.

For further details and application forms please contact Dr Trevor Hince, Cancer Research Campaign, 2 Carlton House Terrace, London SW1Y 5AR. Tel: 071 930 8972. Fax: 071 930 8848.

Closing date for applications is 28 February 1992.

**Fighting cancer on all fronts.**

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**KIMMELMAN CHAIR IN FUNDAMENTAL IMMUNOBIOLOGY**

**DEPARTMENT OF LABORATORY MEDICINE AND PATHOLOGY**

**UNIVERSITY OF MINNESOTA MEDICAL SCHOOL**

The University of Minnesota Medical School invites nominations and applications for the Kimmelman Chair in Fundamental Immunobiology. We are seeking an individual with an international reputation in Immunobiology, a record of distinguished accomplishment and continuing commitment to the education of predoctoral and postdoctoral students, and the development of junior faculty. This position will be a tenured full Professor (M.D. and/or Ph.D.) in the Department of Laboratory Medicine and Pathology. The successful applicant will be expected to play a leadership role in Immunobiology programs at the University of Minnesota with particular attention toward graduate training and research. Multiple opportunities exist for interaction with the organ and bone marrow transplant programs, Cancer Center, and the Institute of Human Genetics. Substantial financial and space commitments will be dedicated to this position, including junior faculty positions. Position to begin approximately July 1, 1992.

Interested applicants should send a curriculum vitae, description of research interests, and the name of three references to:

Dr. Tucker W. LeBien
Chair, Kimmelman Search Committee
Department of Laboratory Medicine and Pathology
Box 609 UMHC
University of Minnesota Medical School
Minneapolis, MN 55455

The last date for receipt of applications is: December 31, 1991.

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

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**Group Leader – Cardiovascular Diseases**

Bristol-Myers Squibb is a worldwide leader in the development and marketing of sophisticated pharmaceutical, medical care, consumer and nutritional products. We currently have a position available for a Group Leader at our Princeton, New Jersey headquarters.

This key position will work closely with biochemists and pharmacologists to establish scientific expertise in Cardiovascular Research involving molecular biology techniques for the support of ongoing programs and recommendations for new programs. The successful candidate will hire new Ph.D.s to form a molecular biology group in Cardiovascular Research and will manage this group of 6-10 scientists.

We seek individuals with a Ph.D. involving molecular biology techniques in cardiovascular-related work and 5-10 years of industry or related experience. Requirements include demonstrable competence in cardiovascular molecular biology, some management experience and scientific leadership qualities.

Please forward your resume and salary history to:

Bristol-Myers Squibb Pharmaceutical Research Institute, Human Resources Dept. 257-AR, P.O. Box 4000, Princeton, NJ 08543-4000. Equal Opportunity Employer, M/F/D/V.
CHEMISTRY FACULTY POSITIONS, ASSISTANT PROFESSOR, PRINCIPAL IN CHARGE, tenure-track, beginning fall 1992: (1) toxicologist (position P9247) with strong chemistry or biochemistry background; (2) biochemist (position P9245); (3) polymer chemist (position P9246) with strength in area of physical polymer chemistry. Minimum Master's degree plus 18 hours in appropriate area of specialization for assistant professor. Ph.D. strongly preferred. Ph.D. required for associate professor rank. Evidence of excellence in both teaching and research necessary. Responsibilities include teaching chemistry courses at introductory level as well as undergraduate/graduate courses (M.S. level) in area of specialization, and research programs involving undergraduate and graduate students. Send résumé, undergraduate and graduate transcripts, description of teaching and research interests, three letters of recommendation by 15 January 1991 to: Position # (see above), Academic Affairs Office, Box 8, 204 W. Hall, Eastern Michigan University (EMU), Ypsilanti, MI 48197. Women and minority groups encouraged to apply and to identify themselves. EMU is an Affirmative Action/Equal Opportunity Employer.

The Biochemistry and Molecular Biology Division has an immediate opening for a NEUROBIOLOGIST/ NEUROBIOLOGIST to establish a high quality basic research program using cell and/or molecular biological approaches. Candidates should have a Ph.D. or equivalent research training and a strong background in cell, molecular, and/or biochemical research. They should have an active independent research program relevant to understanding mental retardation and related to one of the following areas: biochemistry of brain development, signal transduction, myelination, molecular biology of neurological disorders, chemical pathology of neurological disorders. The Shriver Center offers an interactive environment with many opportunities for collaborative research within the greater Boston biomedical community. Candidates should have potential for independent funding. Interested persons should submit curriculum vitae, a short summary of research plans and names of three references by January 15 to: Dr. Mark Siegel, Director, Biochemistry and Molecular Biology Division, Eunice Kennedy Shriver Center, 200 Trapelo Road, Waltham, MA 02254.

An Equal Opportunity Employer.

BIOCHEMISTRY/MOLECULAR BIOLOGY MEHARRY MEDICAL COLLEGE

Faculty positions will be available in 1992/93 in the Department of Biochemistry, at the level of ASSISTANT OR ASSOCIATE PROFESSOR. Qualifications must have a Ph.D. or M.D., degree, or both, and appropriate formal postdoctoral experience research. Joint appointments in the medical sciences department are possible. We are seeking individuals who have potential or demonstrated competence in the use of molecular biology and related methods to study problems in medicine, or on fundamental biochemical/cell biological problems. Selected individuals must also be capable of, and committed to, making significant contributions to the teaching and administrative functions of the Department of Biochemistry. Successful applicants will be expected to develop/maintain a funded research program of high quality and to participate in the graduate and professional (medical, dental and allied health) school teaching programs of the department. Applicants should send curriculum vitae, references of four individuals may be contacted for reference, and a summary (not exceeding three pages) of potential research project(s) to: Ifeanyi J. Arinze, Ph.D., Chairman, Department of Biochemistry, Meharry Medical College, Nashville, TN 37208. Meharry Medical College is an Equal Opportunity/Affirmative Action Employer.

ANATOMY FACULTY POSITION. Applications are invited for a tenure-track position at the level of ASSISTANT PROFESSOR for individuals who have an earned doctorate in human anatomy from a department associated with a medical school should apply. Teaching responsibilities will be in histology, neuroanatomy, and gross anatomy. Research opportunities are available. Send curriculum vitae and names of three references to: Gerald D. Meets, Ph.D., Chairman, Department of Anatomy, University of Minnesota, 6130 University Ave S.E., Minneapolis, MN 55414. The University is an Equal Opportunity Employer.

PLANT ECOLOGIST. We are seeking a plant ecologist with quantitative skills whose research interests are in population and community ecology. This is a tenure-track position at the ASSISTANT PROFESSOR level. A Ph.D. is required and postdoctoral experience desirable. The successful candidate will be expected to initiate an independent research program in population and/or community ecology, seek extramural funding, develop courses in ecology, and teach in the introductory botany program. Nine-month salary: from $28,000 depending on experience. Send curriculum vitae, copies of three publications, a synopsis of research goals and at least three letters of recommendation to: Dr. Ivan K. Smith, Chair, Department of Botany, Ohio University, Athens, OH 45701 by 1 January 1992. Ohio University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS, NEW JERSEY MEDICAL SCHOOL: UMDNJ

The Department of Anatomy, Cell Biology and Injury Sciences of the New Jersey Medical School-UMDNJ seeks to fill the following positions: ASSISTANT OR ASSOCIATE OR FULL PROFESSOR for faculty appointment in the division of injury sciences. Candidates should have a doctoral degree and a demonstrated record of funded research in areas of cell biology, biochemistry, physiology, or immunology as related to studies of the host defense response to injury sepsis and shock. The UM- NJ Department of Anatomy/Equal Opportunity Program, M/D/H/I/V. Résumés and additional information may be sent to: Dr. John H. Siegel, Chairman, Anatomy, Cell Biology and Injury Sciences, VHS, 353 Orange Avenue, Newark, NJ 07103; telephone: 201-456-4414 or FAX: 201-504-7489.

CHAIR DEPARTMENT OF BIOLOGICAL SCIENCES EASTERN KENTUCKY UNIVERSITY

Applications are invited for the position of chairman of the Department of Biological Sciences, Eastern Kentucky University, beginning July 1992. The department has 19 faculty members, approximately 300 undergraduate majors, 30 graduate students, and offers both the bachelor's and master's degree. Candidates must have a Ph.D., or a master's degree with a record of teaching and research, and a willingness to exercise innovative and resourceful leadership. The areas of expertise, rank, and salary range are open to negotiation. Applications, including a current curriculum vitae, letters of recommendation, a statement of educational and administrative philosophy, and recent publications, should be sent by 15 January 1992 to: Dr. H. J. Helms, Chairman, Chairperson Search Committee, Moores 235, Eastern Kentucky University, Richmond, KY 40475. Telephone: 606-622-1842; FAX: 606-622-1020. Eastern Kentucky University is an Equal Employment Opportunity/Affirmative Action Employer. Employment eligibility verification required, Immigration Reform and Control Act of 1986.

DEPUTY HEAD OF BIOLOGICALS

Experienced candidates (M.S., Ph.D. or equivalent) with demonstrated practical expertise in immunology and cell biology are invited to apply for the position as deputy head of our biologicals. Department located in Gaithersburg, Maryland. Sound experience of all aspects of monoclonal antibodies, immunosassays and serology are required and some experience in virology is a plus. This is a full-time position reporting to the director and with excellent prospects for promotion. Please send letter of application, curriculum vitae and the names and addresses of three references to: Box 12, SCIENCE Classified Advertising, 1333 H Street, NW, Room 940, Washington, DC 20005.

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ASSISTANT OR ASSOCIATE PROFESSOR OF IMMUNOLOGY DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY LOYOLA UNIVERSITY CHICAGO

Applications are invited for tenure-track faculty positions in the Department of Microbiology and Immunology at Loyola University Chicago, Stritch School of Medicine. We are seeking talented investigatorstheir research interests are in molecular aspects of the immune system to join a growing interactive group of investigators. Candidates are expected to develop independent, externally funded, high quality research programs. Excellent new facilities and attractive start-up funds are available. Submit curriculum vitae, statement of research interest and a list of three references to: Dr. Katherine L. Knight, Chairperson, Department of Microbiology, Loyola University Chicago, Stritch School of Medicine, 2160 South First Avenue, Maywood, IL 60153.

Loyola University Chicago is an Equal Opportunity/ Affirmative Action Employer.

DISTINGUISHED PROFESSORSHIP CHAIRPERSON OF MICROBIOLOGY

The University of Kansas and Department of Microbiology invite applications and nominations for the Murph Distinguished Professorship of Molecular Biology and Chairperson of the Department. The Department of Microbiology is especially interested in individuals who are recognized for significant contributions to research and seek to develop independent, externally funded, high quality research programs. Excellent new facilities and attractive start-up funds are available. Submit curriculum vitae, statement of interest and a list of three references to: Dr. Donald C. Robertson, Chair, Search Committee, Department of Microbiology, University of Kansas, Lawrence, KS 66045; telephone: 913-864-4317. Screening of candidates will begin on 1 February 1992, and will continue until the position is filled. The University of Kansas is an Equal Opportunity/Affirmative Action Employer.

PROFESSOR AND HEAD, SCHOOL OF LIFE SCIENCE

Queensland University of Technology (QUT) is one of Australia's largest universities with an enrolment of over 22,000 students on four campuses. The eight faculties of the university are arts, built environment and engineering, business, education, health, information technology, law and science.

The Professor and Head, School of Life Science will be responsible to the Dean, Faculty of Science and will provide leadership, academic and administrative expertise to the school and faculty.

Permanent appointment is available at the level of Professor $AUD73,800 ($US58,300) per annum. Appointment as Head of School will be for a 5-year renewable term and will carry a loading of $AUD6,000 ($US4,700) per annum. Conditions include superannuation, relocation assistance, professional experience leave and study assistance.

An information package on the university is available from QUT Personnel Department, GPO Box 243, Brisbane 4001, Qld, 4001. Applications should include the names, addresses, telephone and facsimile numbers of five professional referees. Applications should address the selection criteria and be submitted by 29 November 1991.

An Equal Opportunity Employer.
STAFF SCIENTIST
#050
Stratagene currently has an opening for a research chemist with experience in the synthesis of nucleosides and oligonucleotides. Preference will be given to candidates at the PhD level with at least 3 years experience in oligonucleotide synthesis.

POSTDOCTORAL POSITIONS
MOLECULAR BIOLOGY/GENE EXPRESSION #057
Stratagene is looking for exceptional postdoctoral candidates with the potential to innovate systems for gene cloning, mapping, sequencing, and prokaryotic and eukaryotic expression. Successful postdoctoral research programs may lead to full Staff Scientist positions at Stratagene, Salary $28K - $32K.

MARKETING MANAGERS
#060
Stratagene has an immediate opening for a molecular biology and a cell biology marketing manager. Individuals will be responsible for facilitating the process of moving newly developed products from the laboratory to the market place and for developing marketing plans to continue to promote existing products. Responsibilities will also include, competitive market analysis, technical writing, training, and interfacing with the company and customers. Successful candidates will have strong understanding of the respective markets, sales or marketing experience and strong written and verbal communication skills.

Stratagene offers a beautiful work environment, competitive salaries, and excellent benefits. All qualified candidates forward resume of qualifications to:

STRAATEGENE®
Attn: Human Resources
11099 N. Torrey Pines Rd.
La Jolla, CA 92037

Stratagene is an Equal Opportunity/Affirmative Action Employer.
STAFF SCIENTIST

Division Of Nephrology

The Hospital For Sick Children Research Institute is seeking to appoint a Staff Scientist in the Division of Nephrology. The qualified individual will be expected to establish an independent research program in one of the following areas:

1) Molecular immunology
2) Molecular biology of transmembrane signal transduction with an emphasis on growth factors and phospholipases
3) Regulation of renal cell growth, development and differentiation
4) Endothelial cell biology

Individuals with either a Ph.D., M.D. or both will be considered. Those with an M.D. will be expected to have completed at least four years of post-clinical bench research training in cell biology and/or molecular biology. Candidates with a Ph.D. are also expected to have completed a two to three year post doctoral fellowship.

The successful candidate will be appointed both as a Scientist at The Hospital For Sick Children Research Institute and as an Assistant or Associate Professor in the Department of Paediatrics (Division of Nephrology) at the University of Toronto (The Hospital For Sick Children). The Institute will assist in seeking appointment to an appropriate Basic Sciences Department at the University of Toronto. Start-up support and laboratory facilities will be made available for the successful candidate to develop his/her independent research program. The candidate will also have the opportunity to interact with other investigators in the Division of Nephrology and the Division of Cell Biology at The Hospital For Sick Children. The candidate will be expected to compete successfully for extramural grant support.

Send curriculum vitae and a list of referees, by January 1, 1992, to Dr. K. Skorecki, Director, Division of Nephrology, Dept. of Medicine and Paediatrics, The Hospital For Sick Children, 555 University Ave., Room 5109, Toronto, Ontario M5G 1X8.

The Hospital For Sick Children

Research Psychologist

Systems Research Laboratories, Inc. has an immediate opening for a research psychologist to assist in the study of thermal sensation thresholds from exposure to electromagnetic fields.

Primary tasks include taking physiologic and thermoregulation measurements across a wide range of frequencies utilizing various sensing and recording devices.

A Ph.D. degree with a background in experimental psychology techniques and the capability to perform independent psychophysical research is preferred. A BS/BA degree is required. This program also requires a relocation to New Haven, CT for the first year, then back to San Antonio, TX for the duration of the project.

SRL offers a competitive salary, relocation assistance, and a comprehensive fringe benefit program. Submit resume in confidence to SRL, Dept. 23, 2800 Indian Ripple Road, Dayton, OH 45440-3696.

Massachusetts Institute of Technology

Graduate Study
Division of Toxicology

Molecular, Chemical, & Genetic Research Related to Cancer & other Diseases

Research Areas:
- Molecular & Cellular Toxicology
- Environmental Health Sciences
- Molecular Epidemiology
- Human Pathophysiology
- Molecular & Cellular Biology of Cancer and Genetic Change
- Molecular Analysis of the Pathology of Chemical & Infectious Agents

Faculty:
- Peter C. Dedon, John M. Essigmann, James G. Fox, Steven R. Tannenbaum, William G. Thilly, Gerald N. Wogan, Helmut Zabar

Full tuition & stipend offered to all accepted applicants. For information & application contact Debra A. Luchanin MIT Rm. 16-300, Cambridge, MA 02139 (617) 253-1712

MIT is an Equal Opportunity Employer
Faculty Positions In

MOLECULAR NEUROBIOLOGY

Applications are invited for tenure track faculty positions at the Assistant or Associate Professor level. Successful candidates will hold an academic appointment in an appropriate department in the Colleges of Medicine or Biological Sciences and join five current faculty in new laboratories on the neurobiology floor of the Ohio State Biotechnology Center. Applicants should demonstrate exceptional potential to develop strong research programs that apply molecular biological approaches to address significant problems in neurobiology such as signaling and cognition, nerve regeneration and repair, and neural development. The Center includes a transgenic mouse facility supervised by a full-time staff member, and candidates skilled in utilization of transgenic mice in neurobiologic research are encouraged to apply. The Ohio State University has made a major commitment to establish an outstanding interdisciplinary program in molecular neurobiology that is reflected by the quality research facilities and highly competitive start-up funds and salary that accompany these faculty positions.

Applicants should submit a curriculum vitae, statement of research plans, and arrange to have three letters of reference sent to: Dr. Anthony Young, Chairperson, Molecular Neurobiology Search Committee, Ohio State Biotechnology Center, Righthouse Hall, 1060 Carmack Rd., Columbus, OH 43210. Screening of candidates will begin on December 15, 1991. The Ohio State University is an Equal Opportunity/Affirmative Action Employer.

Kennedy Research Institute

Postdoctoral Fellowships
in
Brain Injury Research

Kennedy Research Institute in Baltimore is recruiting applicants for a new training program in basic and clinical neuroscience related to brain injury in children and adolescents. The research training program offers physicians and Ph.D. scientists the opportunity to do research in developmental neuroscience, neurobiology, cognitive and behavioral disorders, epidemiology and health services research. The clinical and basic scientists at the Institute are on the faculty of the Johns Hopkins Medical Institutions in the Departments of Neurology, Pediatrics, Psychiatry, Rehabilitation Medicine and Public Health. This program is supported in part by the NIH, National Center for Medical Rehabilitation Research.

Please forward curriculum vita and a brief description of your interests to:

Michael V. Johnston, M.D.
Director, Neuroscience Laboratory
Kennedy Research Institute
707 North Broadway
Baltimore, MD 21205

For further information or to apply, contact:
Dr. Wayne Litaker, Facility Director
University of North Carolina at Chapel Hill
Program in Molecular Biology & Biotechnology
402 Taylor Hall CB 7100 S
Chapel Hill, North Carolina 27599-7100
TELEPHONE (919) 966-1730, FAX (919) 966-8821
POSITIONS OPEN

PROFESSOR AND CHAIR
DEPARTMENT OF MATERIALS SCIENCES AND ENGINEERING
THE JOHNS HOPKINS UNIVERSITY

Applications and nominations are invited for the position of professor and chair of the Department of Materials Science and Engineering in the Whiting School of Engineering. The department consists of seven tenured and tenure-track faculty, three research professors, and six faculty with adjunct or joint appointments. About 25 undergraduate students are enrolled in an ABET-accredited program and more than 120 students are enrolled in masters and doctoral programs. The faculty currently direct sponsored research programs funded in excess of $1 million per year. Many faculty in the department are active in the Center for Nondestructive Evaluation.

Candidates for the position should have an earned doctorate in a field relevant to materials engineering, or related field and have a record of outstanding teaching and scholarship. Preference will be given to candidates specializing in physical properties of advanced materials. The candidate must be available post offer is available. As a member of a consortiumspecializinginphysicalpropertiesofadvancedmaterials, Candidates must have demonstrated leadership qualities and must be qualified to serve as chair of the department.

Applicants should include a resume describing current research and three references. Nominations of qualified women and minorities are especially encouraged. Please respond to:

Dr. Charles R. Westgate
Chair of MSE Search Committee
Electrical and Computer Engineering
Johns Hopkins University
Baltimore, MD 21218
Telephone: 301-338-7014; FAX: 301-338-5566

The Johns Hopkins University is an Equal Opportunity, Affirmative Action Employer.

PROJECT COORDINATOR

The National AIDS Exhibit Consortium is seeking a full-time Project Coordinator to administer its day-to-day operations. The Project Coordinator reports to the Consortium Director and will work at the Museum of Science and Industry in Chicago.

The Consortium is an association of eight leading U.S. science museums working together to develop innovative exhibits and programs about HIV and AIDS. The consortium is supported by public and private funds and has a projected annual operating budget of between $1.5 million and $2 million.

The Project Coordinator will be chiefly responsible for monitoring and coordinating projects; ensuring active communications among member institutions and between the consortium and the general public as well as the museum, scientific and medical communities; coordinating Consortium fundraising initiatives and member institutions' development officers; devising and administering effective financial controls and project planning mechanisms; and assisting the Consortium Director and the Consortium's Coordinating Committee in strategic planning activities. The Project Coordinator must have strong management skills and excellent oral and written communication skills.

This position is available immediately and will be filled as soon as possible. Send your letter of application and resume (with salary history) to:

Dr. Barry Aprison
Director
National AIDS Exhibit Consortium
Department of Science
Museum of Science and Industry
57th Street and Lake Shore Drive
Chicago, IL 60637

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POSITIONS OPEN

FERRIS STATE UNIVERSITY
COLLEGE OF ARTS AND SCIENCES
HEAD, DEPARTMENT OF BIOLOGICAL SCIENCES

The College of Arts and Sciences, Ferris State University, invites nominations and applications for the administrative position of Head of the Department of Biological Sciences. The position begins 1 July 1992. The department of 16 faculty members develops and supports staff programs professional and career-oriented programs. The department offers undergraduate degrees in applied biology, biotechnology, horticulture, and electronic materials.

The qualifications for this position include an earned doctorate in one of the biological sciences; scholarship and teaching experience appropriate to senior faculty rank; experience and familiarity with a broad spectrum of biology ranging from fresh water general education course work to upper-level specialty classes; ability to work with faculty in a leadership and administrative capacity; and demonstrated leadership qualities and interpersonal skills; and demonstrated personal qualities of integrity and industriousness.

Ferris State University is Michigan's premier applied polytechnic university, providing career-oriented education to over 12,400 students. More than 120 undergraduate programs and two graduate programs are offered at FSU's 600-acre campus in Big Rapids, Michigan; a number of programs are also offered at off-campus locations. Ferris serves the technology and work force demands of industry, the health care professions, and society in general through applied research and practical education.

Applicants should submit a cover letter, current curriculum vitae, names and telephone numbers of three references, and graduate and undergraduate transcripts, which should be forwarded as soon as possible. Screening of applicants will begin December 1, 1991, and continue until the position is filled.

Send inquiries and applications to: Thomas E. Oldfield, Ph.D., Search Committee Chair, c/o Sue K. Rammersheim, Dean, College of Arts and Sciences, Ferris State University, Starr 120, Big Rapids, MI 49307-3295. Ferris State University is an Equal Opportunity, Affirmative Action Employer.

UNIT DIRECTOR, RETROViroLOGY
RUSH MEDICAL COLLEGE
DEPARTMENT OF IMMUNOLOGY/MICROBIOLOGY
OFFICE OF CONSOLIDATED LABORATORY SERVICES

The Office of Consolidated Laboratory Services (OCLS) at Rush-Presbyterian-St. Luke's Medical Center is seeking a proven professional to assume a key position in the development of the OCLS laboratory at Rush. The laboratory serves Rush's 1,265-bed medical center facility as well as a large outpatient population and referral client base. The medical center has national recognition as one of the leaders for integrated patient care/education research. This laboratory offers services in the areas of serology, retrol virology and field diagnostics. It also participates in educational programs for medical residents, medical technologists, medical, doctoral and postdoctoral students. This laboratory is part of the Division of Immunology which includes molecular biology, general immunology, flow cytometry, genetics, endocrinology, and HLA and tissue 

The successful candidate should have a strong commitment to service, research and education; will be expected to develop an independent research/R&D program and to teach in the university. Professional experience in a diagnostic laboratory, familiarity with techniques of retrol virology and diagnostic productivity are sought. The salary depends upon training and experience. Applicants must possess an M.D. and/or Ph.D. or equivalent degree. Applicants should submit curriculum vitae statement of research and the names of three references to:

Robert De Cresce, M.D., Director
Office of Laboratory Services
Rush-Presbyterian-St. Luke's Medical Center
653 West Congress Parkway
Chicago, IL 60612

An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

DIRECTOR, OFFICE OF OCEAN AND EARTH SCIENCES

National Ocean Service, National Oceanic and Atmospheric Administration, Department of Commerce, Rockville, Maryland, Key Senior Executive Service position. Directs scientific studies in physical oceanography; photobiology and marine environmental observation system, management of a national tide- and water-level observation network; and development of a wide range of research and education services. Salary $87,000 to $108,300 based on qualifications. Application by 17 December 1991. For application procedures contact Debbie Schell or Tito Santiago on 301-427-2531. Equal Opportunity Employer.

LABORATORY DIRECTOR
ENVIRONMENTAL MONITORING SYSTEMS LABORATORY
OFFICE OF MODELING, MONITORING SYSTEMS AND QUALITY ASSURANCE
LAS VEGAS, NEVADA

ES 401/1301
$87,000 TO $95,300

The U.S. Environmental Protection Agency (EPA) is seeking highly qualified candidates for the position of Laboratory Director, Environmental Monitoring Systems Laboratory, Las Vegas, Nevada (EMSL-LV), Office of Modeling, Monitoring Systems and Quality Assurance (OMMSQA). The EMSL-LV is a component of the Office of Research and Development (ORD) and is responsible for research and development supporting a major segment of the Agency's programs relating to human and ecosystem exposure to environmental pollutants. The Laboratory conducts research and development in the areas of analytical chemistry, immunochemistry, field monitoring methods and design, ecological status and trends, terrestrial and aquatic in situ human exposure assessment, human biomarkers of exposure, remote sensing, geohydrology, and environmental radiation assessment.

Candidates must have a bachelor's or higher degree in the biological or physical sciences, or a field relating to the work of the laboratory, and professional experience demonstrating leadership and technical competence in one of those fields. Applicants must also meet the technical and executive qualifications described in the vacancy announcement. For a copy of the vacancy announcement, call or write:

Chandra Gladney
Environmental Protection Agency
Executive Resources and Special Programs Division
Room M3910 (Mail: M3910), 401 M Street, S.W.
Washington, DC 20460

Application must be postmarked by 1 December 1991. EPA is an Equal Opportunity Employer.

NORTHWESTERN UNIVERSITY
MOLECULAR/CELLULAR NEUROBIOLOGIST

The Department of Neurobiology and Physiology invites applications for one or more TENURE-TRACK POSITIONS starting September 1992. Priority will be given to exceptional junior-level molecular neurobiologists. However, applications from more senior candidates will also be considered. Outstanding applicants working in any area of the field will be considered, although candidates working in molecular or cellular neurobiology are particularly encouraged to apply. Applicants should have a Ph.D., M.D., and postdoctoral experience. Curriculum vitae, list of publications, a description of current and future research, and three letters of recommendation should be sent to: Dr. Lawrence Pinto, Search Committee Chair, Department of Neurobiology and Physiology, Northwestern University, 2153 Sheridan Road, Evanston, IL 60208. The Department encourages applications from women and minority candidates. Affirmative Action/Equal Opportunity Employer. Hiring is contingent upon eligibility to work in the United States.
National Institutes of Health
NATIONAL INSTITUTE OF DENTAL RESEARCH
EXTRAMURAL PROGRAM

The Extramural Program, the organizational unit of the National Institute of Dental Research (NIDR) responsible for promoting and managing all dental research training and manpower development awards and research contracts for the NIDR, invites applications for three Health Scientist Administrator positions.

1) Assistant Director for Program Development
GM-0601-15
Salary Range $61,643 pa - $80,138 pa
(Supervisory Position)

2) Director, Periodontal Diseases Program
GS-0601-12, 13, or 14
Salary Range $37,924 pa - $68,129 pa

3) Director, Craniofacial Development and Disorders
GS-0601-12, 13, or 14
Salary Range $37,924 pa - $68,129 pa

Activities include planning and implementing research initiatives through grants, contracts and/or cooperative agreements and providing administrative and scientific oversight of proposals and awards.

Applicants must have a Ph.D. degree (or possess equivalent combination of experience and training) in a science related to health, dentistry and/or medicine; accomplishments in a research area of interest to the Program, and demonstrated ability in health science administration.

Appointment to these positions will be in the Civil Service at the grade levels indicated above. Alternatively, appointment in the Commissioned Corps of the U.S. Public Health Service may be appropriate. U.S. citizenship is required. Salary is commensurate with qualifications and experience.

Applicants must submit a SF-171, (available in any Federal Personnel Office), curriculum vitae and bibliography. Applicants must have or obtain a Civil Service Notice of Rating as a Health Scientist Administrator prior to appointment.

Application and documents must be submitted by November 30, 1991 to:

Ms. Faye M. Harbrant
Personnel Management Specialist
National Institute of Dental Research
National Institutes of Health
9000 Rockville Pike
Building 31, Room 2C23
Bethesda, MD 20892
(301) 496-6971

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Pharmaceutics R&D— You will design and develop clinical and commercial formulations for newly discovered drug candidates. A PhD in pharmaceutics, chemistry, industrial pharmacy or the equivalent, plus a strong background in physical chemistry and/or analytical chemistry is desired.

Oral Drug Delivery— You will carry out in vitro and in vivo studies aimed at diagnosing and solving drug absorption problems. A PhD in physiology, pharmaceutics, biochemistry or biophysics or the equivalent, plus an interest in drug delivery problems, is essential. A background in biopharmaceutics, gastrointestinal physiology or quantitative biology helpful.

Controlled Release Technology— You will be responsible for the design, manufacture and in vitro evaluation of controlled release dosage forms intended for oral administration to humans. A PhD in pharmaceutics, chemical engineering or the equivalent is required. A background in polymer science, materials processing, pharmacokinetics or applied physical chemistry is desired.

Qualified applicants should submit a letter of interest and resume to: Lorraine C. Corr, Supervisor, Employee Resources, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340. We are an equal opportunity employer.
Applications are invited for about 20 Royal Society University Research Fellowships tenable in the first instance for five years from 1 October 1992 (or slightly later in the academic year 1992–93), with two possible further renewals for three and then two years. The Fellowships are available in any branch of science, including agriculture, medicine, mathematics, engineering and technology. The primary criterion for selection will be scientific merit based on record so far and on future potential. Some account will also be taken of the facilities and intellectual environment being offered by the prospective host department. Salaries will be on the non-clinical university scale, with London Allowance where appropriate. Annual research expenses (a sum of up to £10,000 may be sought in 1992–93) will be available, together with return travel and a contribution to baggage costs for successful applicants from overseas and their families.

Applicants should be scientists normally with between three and ten years of postdoctoral research experience. They must be British Citizens and propose to hold the fellowships in universities or polytechnics in the United Kingdom. Those who already have substantive posts in these places will not normally be considered. Previously unsuccessful applicants may apply again if still eligible, but should make fresh applications and arrange for updated referees’ statements.

Application details are available (on request only) from Mrs. U.M.A. Toki, The Royal Society, 6 Carlton House Terrace, London, SW1Y 5AG (FAX: 071-930-2170). Closing date is 14 February 1992. Application forms are not available after 31 January and applications arriving after 4 p.m. on 14 February will not be considered.

POSITIONS OPEN

SENIOR VICE PRESIDENT
ACADEMIC AFFAIRS
UNIVERSITY OF CALIFORNIA

The President and the Regents of the University of California invite nominations and applications for the position of Senior Vice President of Academic Affairs of the University of California.

The University of California is a publicly assisted institution with nine campuses which include five academic medical centers and the Lawrence Berkeley Laboratory, a Division of Agriculture and Natural Resources, numerous organized research units and programs abroad. The university is the state's land grant university. It operates and manages three national laboratories for the U.S. Department of Energy. In 1990–91, the university enrolled 166,547 students and employed nearly 150,000 persons including those at the three DOE national laboratories. Its annual budget for 1990–91 was approximately $9 billion, inclusive of the DOE laboratories.

The Senior Vice President of Academic Affairs reports directly to the President of the university. The Senior Vice President acts for the President in the absence of the President. Responsibilities include academic planning and programs; liaison with university-wide Academic Senate and student governments; administration and/or coordination of Special Studies, Admissions and Outreach, Library Information; Academic Assessment, Student Affairs, University Extension and Summer Sessions, and the University Press. The Senior Vice President also is responsible for oversight of the three Department of Energy laboratories managed by the university.

Candidates should have administrative experience in large-scale, substantial, diverse, and complex organizations, preferably research universities, together with a strong record of teaching and scholarship. Preference will be given to individuals with experience in a California environment. Candidates should have dealt with senior officials and governing boards, governmental executives, and legislative bodies.

Applications and nominations accompanied by current résumés may be addressed to:

The President
University of California
300 Lakeside Drive
22nd Floor
Oakland, CA 94612–3550
and should be received no later than 25 November 1991, to be assured full consideration.

An Equal Opportunity, Affirmative Action Employer.

FACULTY POSITION IN ENVIRONMENTAL BIOLOGY
RENSSELAER POLYTECHNIC INSTITUTE

The Department of Biology is seeking applicants for a tenure-track faculty position at any level in the area of environmental molecular biology. The successful candidate will be expected to establish a strong research program using new technologies in environmental research and to interact actively with other faculty involved in Rensselaer’s environmental science initiative. This position will begin in August 1992. Applicants should submit a résumé, statement of research interests, and names and addresses of at least three references by 18 December 1991 to: Dr. Dwight E. Wilson, Biology Department, Rensselaer Polytechnic Institute, Troy, NY 12181. Rensselaer is an Affirmative Action/Equal Opportunity Employer. Women and minorities are strongly encouraged to apply.

FACULTY POSITION IN PHARMACOLOGY
UNIVERSITY OF CALIFORNIA, IRVINE

Applications are invited for a tenured or tenure-track position in pharmacology. Qualifications include an outstanding record of research accomplishments with experience in molecular biological approaches to problems in pharmacology. Experience in commitment to teaching, and a Ph.D. (or M.D., or both in pharmacy) or related field. Level of appointment and salary will be commensurate with achievement and experience. Curriculum vitae, references, and a statement of interest are requested by 1 December 1991 to: Dr. Larry Stein, Chairman, Department of Pharmacology, College of Medicine, University of California, Irvine, CA 92717.

An Affirmative Action/Equal Opportunity Employer.

TWO FACULTY POSITIONS are open in the Graduate Department of Nutrition of Case Western Reserve University. The fields are (1) use of stable isotopes (gas chromatography-mass spectrometry-liquid chromatography mass spectrometry) for metabolic and nutritional studies, and (2) molecular nutrition. Candidates are expected to develop independent research programs, participate in graduate teaching and in the training of graduate and postdoctoral students. Send curriculum vitae, representative reprints, outline of research interests, a statement of purpose, and three letters of reference by 30 November 1991 to: Dr. Henri Brunengraber, Chairman, Department of Nutrition, Case Western Reserve University, Cleveland, OH 44106. Case Western Reserve University is an Equal Opportunity Employer and encourages applications from minorities and women.

THE UNIVERSITY OF THE WEST INDIES
ST. AUGUSTINE

Applications are invited for the following vacancy: Chemistry: LECTURER/ASSISTANT LECTURER IN PHYSICAL CHEMISTRY.

Annual salary range: Lecturer: TT$60,108 to TT$71,988 (B)–$83,368. Assistant lecturer: TT$50,484 to $54,444.

Annual regional allowances: Lecturer above bar: TT$7,884; below bar: TT$4,380. Passages, housing allowances, student grants. Applications naming three referees and detailing qualifications and experience to the Registrar, U.W.I., St. Augustine as soon as possible. Further particulars sent to all applicants.

COGNITIVE NEUROSCIENCE. The Department of Psychology at Carnegie Mellon University invites applications for a FACULTY POSITION in Cognitive Neuroscience. This position is not necessarily limited to the junior level. Cognitive neuroscience at Carnegie Mellon is characterized by attempts to arrive at a complete understanding of brain processes with the aid of techniques ranging from neurophysiology to animal studies. The ideal candidate would be someone already in control of the computational properties of neural circuitry, from patterns of damage following brain injury, and from the posttraumatic development of the brain. A variety of different scales of research ranging from single-unit recordings to animal studies are currently utilized. In the near future opportunities for PET scanning will also become available. This hiring is part of a plan to make cognitive neuroscience an independent "track" within the department. Please send curriculum vitae, statement of research interests, representative papers, and three letters of recommendation to: Committee Search Committee, Department of Psychology, Carnegie Mellon University, Pittsburgh, PA 15213–3890. Application deadline: 1 Feb. 1992. Affirmative Action, Equal Opportunity Employer.

MOLECULAR BIOPHYSICS
AT JOHNS HOPKINS

SEVERAL FACULTY POSITIONS in molecular biophysics are available at The Johns Hopkins University, both in the School of Arts and Sciences, Homewood Campus (AKS) and in the School of Medicine (SCOM). Molecular analysis via nuclear magnetic resonance spectroscopy is an area of particular interest although candidates with other areas of interest such as x-ray crystallography and computational biophysics are encouraged to apply. Appointments in the Departments of Biology, Biophysics, and Chemistry (AKS) and the Department of Biological and Biophysical Sciences (SCOM) are possible. Potential affiliations with the Institute of Biophysical Research on Macromolecular Assemblies, the Markey Center for Macromolecular Structure and Function, and the Inter campus Program in Molecular Biophysics are possible as well. The successful candidates are expected to develop internationally competitive research programs and augment the teaching curriculum in molecular biophysics. Appointments are expected at the Assistant Professor level, but higher rank candidates are also encouraged. Applications at higher ranks will be considered for exceptionally qualified applicants. Please send curriculum vitae, a brief statement of research interests, and at least three letters of reference to: Search Committee, Institute for Biophysical Research on Macromolecular Assemblies, 102 Baltimore Street, The Johns Hopkins School of Medicine, Baltimore, MD 21218. FAX: 410-516-5199. Applications must be received no later than 30 November 1991. The Johns Hopkins University is an Affirmative Action, Equal Opportunity Employer.

SCIENCE, VOL. 254
POSITIONS OPEN

CELL AND DEVELOPMENTAL BIOLOGY

The Department of Biological Sciences anticipates a junior or senior tenure-track FACULTY POSITION open in the area of developmental biology. Applicants using Drosophila as a model system approaching basic cellular or developmental problems are especially encouraged to apply. The successful candidate will be expected to effectively fund a research program, teach undergraduate and graduate students, and participate in undergraduate education. For candidates at the senior level an established research program and interest in directing future faculty recruitment is expected. Applicants should send curriculum vitae, a summary of research interests and goals, and arrange to have at least three letters of reference sent to:

Cell and Developmental Biology
Search Committee
Department of Biological Sciences
University of Pittsburgh
Pittsburgh, PA 15260

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

The University of Alabama at Birmingham, An Equal Opportunity/Affirmative Action Employer, invites applications for FACULTY APPOINTMENTS in the Department of Pathology. An applicant should have an M.D., M.D.-Ph.D., or Ph.D. degree in one of the basic sciences such as biochemistry, cell biology, etc., and desire to focus his/her efforts on graduate education and research. Applicants will be considered who either have an existing independently funded research program or have a plan to develop such a program.

Academic rank and tenure are dependent upon the qualifications of the candidates.

Current curriculum vitae of interested persons should be forwarded to: Jay M. McDonald, M.D., Professor and Chairman, Department of Pathology, The University of Alabama at Birmingham, University Station, Birmingham, AL 35294.

UNIVERSITY OF DUNDEE
LECTURER IN PHARMACOLOGY

Applications are invited for a nonclinical lectureship in the Department of Pharmacology and Clinical Pharmacology whose research has twice been ranked highly by the UK. The successful applicant will be expected to develop an active research group and to participate in the department’s undergraduate teaching to medical and science students. Candidates with a research record in any area of pharmacology relating to pharmacology are invited to apply. Salary will be at the appropriate point on the Lecturer scale (£12,690 to £23,427). Informal inquiries should be addressed to the Head of the Department, Professor I. H. Stevenson (telephone: 0382 632161 or FAX: 0382 67120) or to Dr. J. J. Lamberton, Secretary, of the Society for Neurosciences in North East Scotland.

Applications (seven copies in the U.K., one copy if posted overseas), including detailed curriculum vitae and the names and addresses of three referees, should be sent in writing to the Personnel Office, The University, Dundee, United Kingdom, DD1 4HN by 13 December 1991. Please quote reference E37/48/91.

POSTDOCTORAL POSITIONS. Two positions are available to study protein structure-function relationships. The first position requires experience in multidimensional NMR techniques (applicants must be U.S. citizens). The second position requires experience using computational techniques to study protein structure (citizenship restrictions). Send curriculum vitae and the names and telephone numbers of three references to: Dr. Judith G. O’Donnell, Biophysics, University of Kentucky, Lexington, KY 40536-0084. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION. Available January 1992 for research on structure/regulation of an ammonium inducible promoter of a nuclear gene encoding two chloroplastic plastid dehydrogenases and transformation of Chlorella cells by foreign genes under control of this promoter. Molecular biology experience required. Contact: Dr. Mark Helfer, Department of Microbiology and Cell Science, 3103 McCoy Hall, University of Florida, Gainesville, FL 32611. Telephone: 904-392-0237.

POSTDOCTORAL POSITION. Applications are invited from candidates with backgrounds in molecular biology, protein biochemistry or cell biology to participate in research focused on low molecular mass GTP-binding proteins involved in vesicular transport and signal transduction in mammalian cells. Specific emphasis is placed on defining the influence of post-translational modifications (e.g., isoprenylation) on the functions of these proteins.

The Weis Center is a well-equipped modern research facility located in an attractive region of central Pennsylvania. We offer competitive stipends, excellent benefits and opportunities for collaborative interactions. For consideration, please send curriculum vitae, brief statement of interests and names of three references to: Dr. William Malte, Weis Center for Research, Geisinger Clinic, 25-16, Danville, PA 17822. Equal Opportunity Employer M/F/H/V.

Geisinger Geisinger Clinic

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BIOTECHNOLOGY LABORATORY

BioCryt is a leading biopharmaceutical company in the field of rational drug design. We are seeking innovative scientists to join our multidisciplinary team in the following areas:

Protein Biochemistry
M.S./B.S. scientists with experience in protein purification and protein crystal growth.

Computational Chemistry
Ph.D. scientists with experience in current drug design methodologies, protein and small molecule modeling, and macromolecular simulations. Scientific programming skills are expected. BioCryt offers competitive compensation and benefits and excellent living conditions in Birmingham, Alabama, designated as one of America’s Most Livable Cities. For confidential consideration, please send your resume, current salary and the names of references to:

BioCryt, Inc.
Human Resources
1075, 13th Street South
Birmingham, AL 35205

Bittnet: BABU@UABMC
Positions Open


Postdoctoral Position in Molecular Cardiovascular Pharmacology. Available for recent Ph.D. in pharmacology, physiology or biology related to molecular pharmacology of purine receptors and the involvement of second messenger systems in vascular and endothelial cells. Salary NIH level. Experience in cardiovascular science preferred. Send curriculum vitae and three letters of recommendation by 1 December 1991 to: Dr. S. Jamal Murad, Department of Pharmacology, East Carolina University, Greenville, NC 27858. Federal law requires proper documentation of identity and employability at the time of employment. Affirmative Action/Employment Opportunity.

Two Postdoctoral Positions in the Biological Use of Atomic Force/Scanning Tunneling Microscopy. Immediate openings for two positions (Ph.D. and/or M.D.) in well-established laboratory applying AFM/STM and nanotechnology to study the dynamic structures of biomembranes and channels, receptors, and pumps using purified membranes, reconstitution and biochemical manipulations (see Science 253, 1405 (1991)). One position is for a membrane biochemist/structural biologist. Experience in reconstitution is desirable. The second position is for a biophysicist with a background in physical science, molecular modeling, and image analysis. One position on NIH training grant. Send curriculum vitae and names of three references to: M. F. Arndt, M.D. or R. Lal, Ph.D., University of Chicago, Box 425, 5841 South Maryland Avenue, Chicago, IL 60637 or FAX: 312-702-4427. An Affirmative Action/Equal Opportunity Employer.

Postdoctoral Position available immediately to study the structure and expression of desaturases of sex pheromone biosynthetic pathways of moths using molecular biological techniques. NSF-supported project; excellent facilities and research environment. Ph.D. in molecular biology, genetics, biochemistry or relevant experience in a related discipline required. Submit curriculum vitae and names of three references to: Dr. Wendell Rodolfo, Department of Entomology, Cornell University, New York State Agricultural Experiment Station, Ithaca, NY 14855. An Equal Opportunity/Affirmative Action Employer.

Two Research Associate/Postdoctoral Positions available immediately to study the role of ras oncogene membrane association in cellular signaling and oncogenesis. Experience in investigating ras farnesyl transferase as a target for anticancer drug development. Salary: $23,000 to $25,000 plus benefits. Provide curriculum vitae and references to: Dr. S. M. Sebti, Department of Pharmacology, University of Pittsburgh, School of Medicine, W1354 Biomedical Science Tower, Pittsburgh, PA 15261. Equal Opportunity/Affirmative Action Employer.

Ph.D. Openings in Skin Biology Research

Procter & Gamble has two immediate entry-level openings in Cincinnati, Ohio in the skin research department at our Miami Valley Laboratories. Applicants must have the abilities to work in multidisciplinary teams and to communicate effectively.

Biochemistry

Candidates should have a Ph.D. or post-doctoral training in Biochemistry, Cell Biology, Pharmacology, or related discipline. Research experience in metabolism, extracellular matrix, whole animal experimentation, oxygen radical chemistry, cell culture, and/or drug development are desired. Send your CV and references.

New Drug Discovery

We are looking for a unique individual with broad Ph.D. and/or post-doctoral training in the areas of Biophysical Chemistry and Cell/Molecular Biology. This candidate must have demonstrated the ability to apply tools and concepts of quantitative physics to complex biological problems.

Procter & Gamble is a world leader in the research, development, and manufacture of consumer products. We offer a competitive salary, a fringe benefit package in the top 5% of U.S. firms, and excellent opportunity for personal and career growth.

Applicants must be presently authorized to work in the U.S. on a full-time basis and should send their resume and publication list to:

Dr. N. G. Howell
Ph.D. Recruiting, Dept. DB
The Procter & Gamble Company
P.O. Box 398707
Cincinnati, Ohio 45229-8707
An Equal Opportunity Employer

Procter & Gamble
The ideal candidate will have significant research experience in the modulation of receptors and signalling events by kinases and phosphatases as well as a broad knowledge of cellular regulatory mechanisms. The successful applicant will have a key role in a multidisciplinary research team investigating the mechanisms of action of CNS neurotransmitters and growth factors.

Several years of relevant post doctoral experience is required as well as a proven track record of research on signal transduction mechanisms.

The Institute provides a dynamic international research environment and actively encourages collaborative projects with academic groups as well as the publication and presentation of results at scientific meetings. GIMB 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.

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.

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 Gloor, Personnel Manager, Glaxo IMB, 14 chemin des Aulx, Case postale 674, 1228 Plan-les-Ouates, Geneva, Switzerland.

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY AND THE UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY ROBERT WOOD JOHNSON MEDICAL SCHOOL Announce a Shared Interdisciplinary Core Curriculum in MOLECULAR AND CELL BIOLOGY

The Graduate Programs of Rutgers University and UMDNJ-Robert Wood Johnson Medical School are seeking outstanding applicants for this interdisciplinary curriculum. Successful applicants will be awarded a fellowship providing an annual stipend of $12,000 plus tuition. Students will take a program of interdisciplinary courses, seminars, and research laboratory rotations. Research opportunities in Molecular and Cell Biology exist in all participating graduate programs of both universities, including the New Jersey Center for Advanced Biotechnology and Medicine, Waksman Institute, and Center for Agricultural Molecular Biology. Students will obtain the Ph.D. degree from the program in which they do their research project.

Students interested in applying or receiving further information should write to:

Michael J. Laibowitz, M.D., Ph.D.
Director, Core Curriculum in Molecular and Cell Biology
Department of Molecular Genetics and Microbiology
UMDNJ-Robert Wood Johnson Medical School
675 Hoos Lane
Piscataway, New Jersey 08854-5635
An Equal Opportunity/Affirmative Action Employer/M/F/H/V
POSTDOCTORAL POSITIONS are available in laboratory medicine at the University of Virginia. Research emphasis is on cardiovascular disease. Areas of research interest include: (1) myocardial ischemia-reperfusion injury, (2) immune responses to injury, and (3) cellular and molecular biology of the cardiovascular system. Ph.D. degree or equivalent is required. Salary: $32,200. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION is available immediately for a Ph.D. in molecular biology or biochemistry. Experience in cloning and expression of genes, or in the isolation and characterization of RNA, is essential. A Ph.D. is required. Salary: $30,000. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION is available immediately for a Ph.D. in molecular biology. Experience in cloning and characterization of DNA is essential. A Ph.D. is required. Salary: $30,000. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS are available in the Departments of Molecular Biology, Biochemistry and Immunology at the University of Michigan. Research emphasis is on gene expression and regulation. Areas of research interest include: (1) molecular mechanisms of gene expression, (2) regulation of gene expression by developmental signals, and (3) regulation of gene expression during differentiation. Ph.D. degree or equivalent is required. Salary: $30,000. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS are available immediately for Ph.D. candidates in the Department of Microbiology and Molecular Genetics of the University of Michigan. Research emphasis is on the regulation of gene expression. Areas of research interest include: (1) molecular mechanisms of gene expression, (2) regulation of gene expression by developmental signals, and (3) regulation of gene expression during differentiation. Ph.D. degree or equivalent is required. Salary: $30,000. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION is available immediately for a Ph.D. in molecular biology. Experience in cloning and characterization of DNA is essential. A Ph.D. is required. Salary: $30,000. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer.

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POSTDOCTORAL POSITION is available immediately for a Ph.D. in molecular biology. Experience in cloning and characteri...
GRADUATE TRAINING IN VIRAL ONCOLOGY AND IMMUNOLOGY

Stipends are available for students pursuing a Ph.D. in molecular oncology or immunology beginning September 1992. The principal interests of participating faculty are viral and cellular onco-genes, growth control, and molecular, cellular, and tumor immunology.

Students will be supported chiefly by an NIH programmatic training grant, requiring US citizenship, or resident status. We strongly encourage applications from minority students. Limited funding is also available outside of this source. Information and application forms are available from: Dr. R.B. Carroll, Graduate Student Advisor, Department of Pathology, New York University Medical School, 550 First Avenue, New York, NY 10016.

NYU is an Equal Opportunity Employer.

THE INTERNATIONAL LABORATORY FOR RESEARCH ON ANIMAL DISEASES

Vacancy Announcement: POST DOCTORAL SCIENTIST—PD/91/7

CELLULAR IMMUNOLOGY

The International Laboratory for Research on Animal Diseases, based in Nairobi, Kenya, is a member of the Consultative Group on International Agricultural Research with the mandate of developing economically improved methods for control of livestock diseases. Current research focuses on immunological and genetic means of controlling African trypanosomiasis and immunological control of the theileria disease, East Coast fever. Livestock disease research is supported by a programme of socio-economic research and both programmes are integrated with a programme of collaborative research, information dissemination and training.

ILRAD is seeking a cellular immunologist to join a group of Scientists investigating mechanisms of resistance to bovine trypanosomiasis. The successful candidate will analyse the contribution made by T-cells to the resistance of trypanotolerant cattle to infection with Trypanosoma congolense. This will involve further characterisation of T-cell populations involved in the induction of humoral immunity and investigation of cognate interactions between T-cells and B-cells. A doctoral degree in cellular immunology and experience with cell-culture, T-helper cell assays, T-cell lines and clones is essential. In addition experience in cytokine assays will be an advantage.

The salary and benefit package are comparable to those offered by similar international organisations, and includes allowances for first arrival, housing, education, commutation and home leave as well as provisions for pension and insurances.

Applications with CV and the names and addresses of three referees should be sent to: The Chief Personnel Officer, ILRAD, P.O. Box 30705, NAIROBI. (Telex: 22040; Fax: 631499; Email: BT TYNEMET OGI1017) not later than November 30, 1991 or until a suitable candidate has been identified.

ILRAD is an equal opportunity employer.

KUWAIT UNIVERSITY
COLLEGE OF SCIENCE

Department of Mathematics

Applications are invited for appointment to the posts of Professor, Associate Professor and Assistant Professor for the Spring Semester starting February 1, 1992 or the academic year 1992–1993. The Department would welcome well qualified Ph.D. holders in the fields of Mathematics, Applied Mathematics and Computer Science to support both teaching and research. The successful applicants for professorship will be expected to exercise a special responsibility in providing leadership and fostering excellence in research, teaching, professional activities and policy development in the Department of Mathematics, the University and the community.

Application forms together with conditions of service may be obtained from:

Kuwait University Office
3500 International Drive NW
Washington, DC 20008

Completed application forms must be sent directly to:

Chairman
Department of Mathematics
College of Science
Kuwait University
P.O. Box 5969
KUWAIT 13060
The Royal Botanic Gardens, Kew has made a major commitment to the use of molecular techniques in Biosystematics. A well-equipped molecular biology laboratory has been established, and a new purpose-built molecular biology complex is under construction in a large extension to Kew's world famous Jodrell Laboratory.

Applications are invited for the position of

Head of Molecular Biosystematics

A unique opportunity exists for a molecular biologist with broad plant systematic interests and a strong interdisciplinary inclination. The successful candidate will head the molecular biosystematics section (founded in 1989) in the Jodrell Laboratory at the Royal Botanic Gardens, Kew. Applicants should have a proven record in angiosperm genome research, wide experience of molecular techniques, and experience of supervising research. A successful track record of winning competitive grants would be advantageous.

The scientist is required to lead and coordinate molecular research on a range of plant taxonomic, biosystematic, and conservation topics; to do independent biosystematic research on flowering plants; and, to supervise staff, Ph.D. students and long term visitors using molecular techniques.

The appointee will be responsible to the Keeper of the Jodrell Laboratory, Prof. M.D. Bennett, and will be expected to compete for additional funding, and to collaborate widely with other scientists working at Kew.

The post, which will be filled at either the SSO or PSO level (depending on age and experience), combines a rare opportunity to work in a delightful setting and to direct an important research programme using the world's richest plant collections.

For further information contact Prof. M. D. Bennett, Keeper of the Jodrell Laboratory, Royal Botanic Gardens, Kew, Richmond TW9 3DS, UK (Tel: 081-940 1171 Extn 4311; Fax 081-948 1197).

For further details and an application form (to be returned by 13th December 1991) write to Recruitment & Assessment Services, Alencon Link, Basingstoke, Hants RG21 1JB or telephone Basingstoke (0256) 468551, Fax (0256) 846660. Please quote reference B/1265.

The Royal Botanic Gardens, Kew is an equal opportunity employer.
EcoScience is developing a unique group of microbial products for the control of insects, weeds and plant diseases. As we enter an exciting period of growth, we are seeking individuals interested in applying their research and professional abilities in a variety of areas. These are challenging positions requiring a significant level of commitment with rewards that are commensurate. EcoScience offers an excellent benefits package and equity participation. Candidates will have a B.S. or M.S. degree and experience indicating their ability to handle responsibility. Positions are open in the following areas:

**Microbiology** including Quality Control, Process Development and Fermentation...

**Plant Pathology** including Disease Control, Mycoherbicides and Postharvest Physiology...

**Insect Pathology** including bacterial, fungal and viral insect pathogens...

**Product Development** including laboratory and field testing of our products under development.

Interested candidates should contact:

Personnel Director
EcoScience Corporation
1 Innovation Drive
Worcester, MA 01605

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**BIOTECHNOLOGY OPPORTUNITIES (COLORADO)**

Somatogen, a rapidly growing biopharmaceutical company and leader in the development of recombinant hemoglobin has opportunities available in our R&D and Process Development Groups:

**Molecular Biology Scientist**
Requires a Ph.D. and 2-3 years post doctoral experience in the molecular biology and genetics of *Escherichia coli*.

**Formulation Scientist**
Requires a Ph.D. and 3-5 years post degree protein biochemistry experience. Experience with the physical/chemical changes in protein solutions occurring during lyophilization is desired.

**Purification Scientist**
Requires a Ph.D. in Biochemistry, Biochemical Engineering or related area, and 5 years post degree protein biochemistry experience. Large-scale experience is required.

**Staff Scientist**
Requires a Ph.D. with no postdoctoral experience required. Experience in *Escherichia coli* molecular biology and gene expression highly desirable.

**Research Associate III**
Requires a B.S. or M.S. and 5+ years experience with quantitative immunoassay development. Techniques should include ELISA, ILA, western blot, RIA, affinity purification of antibodies, SDS-PAGE and protein iodination. Experience with monoclonal antibody production is highly desirable.

**Research Associate III**
Requires a B.S. or M.S. and 3-5 years experience with protein chemistry techniques including HPLC and protein purification.

**Research Associate II**
Requires a B.S. and 3-5 years experience in Molecular Biology, including sequencing and *in vitro* mutagenesis.

Successful candidates will be self-motivated individuals with a desire to be part of a team involved in cutting edge technology. A competitive salary and benefits package complement these exciting opportunities. For consideration, please send your resume and salary history in confidence to:

Tonja Loendorf, HR Representative.

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**HIV Research Group**

Genentech, a leader in the biotechnology industry, has the following exceptional opportunities to join an expanding HIV Research Group located at our South San Francisco headquarters.

**Virologist**
Qualified candidates will possess a related BS, MS or PhD degree and broad virology experience. Familiarity with HIV is preferred, but not necessary.

**Molecular Biologist**
Requirements for this position include a BS, MS or PhD degree and extensive experience in molecular biology. Cell culture experience also desired. This position does not involve work with live HIV.

For immediate consideration, please send your resume to Genentech, Inc., Human Resources Dept. YS/JN, 460 Point San Bruno Blvd., South San Francisco, CA 94080. We actively support and promote affirmative action and equal employment opportunity.

Genentech, Inc.

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**SOMATOGEN**

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Boulder, Colorado 80301
An Equal Opportunity Employer
We'll Help You Build A New Lab

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

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

SCIENCE Magazine
New Lab Service Department
1333 H Street, N.W.
Washington, D.C. 20005

POSCITIONS OPEN

RESEARCH ASSOCIATE, BIOCHEMISTRY/MICROBIOLOGY. The Chemical Research Unit of the National Center for Agricultural Utilization Research (NCAUR), USDA-ARS, Peoria, Illinois, is seeking a research associate to study biocconversion of alkyl phenyl compounds on an ongoing project supported by Biotechnology Research and Development Corporation. Candidates should have knowledge of biochemistry, microbiology, and environmental or analytical chemistry. Ph.D. in related field required. Salary commensurate with experience ($31,116 to $37,294 per year). The appointment will not exceed 2 years. Send letter of application to: Dr. C. L. Hou, USDA-ARS-NCAUR, 1815 North University Street, Peoria, IL 61604; or telephone: 309-685-4011, ext. 265. Applications must be mailed 2/1/92 and must be received by 20 December 1991. The U.S.I.A. is an Equal Opportunity Employer.

UNIVERSITY OF CALIFORNIA

LOS ANGELES (UCLA)

SCHOOL OF MEDICINE

MOLECULAR BIOLOGIST/SENIOR RESEARCH ASSOCIATE

Position available for Ph.D. interested in studying molecular mechanisms of cytoskeleton regulation, gene transduction and cancer immunotherapy. UCLA and its affiliated institutions are Equal Opportunity and Affirmative Action Employers. For consideration please submit curriculum vitae and two letters of reference to: Arie Bellesdam, M.D. UC School of Medicine Center for the Health Sciences 66-118 CHS 10833 Le Conte Avenue Los Angeles, CA 90024-1738 Telephone: 213-206-1434

MOLECULAR BIOLOGY OF TUMORS

The Division of Molecular Biology and Surgical Oncology Research, Henry Ford Hospital will provide a career opportunity for a molecular biologist, M.D. or Ph.D. with an expertise in molecular biological approaches to tumor biology. The successful candidate will be expected to expand the existing program and develop his/her own program. The appointment will be to SENIOR RESEARCH ASSOCIATE level. Experience with cloning and retroviral constructs is essential. Salary is commensurate with experience. Send curriculum vitae and names, addresses and telephone numbers of three references to:

S. David Nathanson, M.D.
Surgical Oncology Research Laboratories
Henry Ford Hospital
2799 West Grand Boulevard, E.R.R. 4044
Detroit, MI 48202-2689

RESEARCH POSITION IN MASS SPECTROMETRY available 1 September 1992 to oversee the use of two shared mass spectrometers, a VG 70-S and a new, state-of-the-art, multi-sector tandem instrument. Position will entail management of both routine and nonroutine uses and maintenance, supervision of two graduate assistants, and generation of collaborative research proposals with others in chemistry, other departments, and the medical school. Ph.D. chemist with experience in tandem mass spectrometry, electrospray ionization, and the ionization of biopolymers preferred. Send resume and three letters of recommendation to: Dr. Jeanette Adams, Department of Chemistry, Ryerson University, Toronto, Ontario, Canada M5S 3C3. Emory is an Affirmative Action/Equal Opportunity Employer.

ENVIRONMENTAL PATHOLOGY/TOXICOLOGY. NRSA-supported postdoctoral positions available in 15 research laboratories. Emphasis on cellular and molecular effects (metabolic, immunological, genotoxic) of toxic chemicals (especially trace metals, aromatic hydrocarbons, ozone respiratory epithelial injury), and behavioral pathology. Inquiries to: Dr. N. K. Mazer, Program Director, Department of Pathology, SM-30, University of Washington, Seattle, WA 98195. NRSA Requires U.S. Citizen/permanent resident. An Equal Opportunity/Affirmative Action Employer.

SCIENCE, VOL. 254
MAMMALIAN MOLECULAR GENETICS

SENIOR SCIENTIST

Hoffmann-La Roche, an international leader in the pharmaceutical industry with a firm commitment to basic and applied biomedical research, is seeking a Senior Scientist to establish a new laboratory dedicated to the development of models of human disease utilizing transgenic animal technologies.

This laboratory will conduct independent research projects as well as collaborate with other Roche Scientists. We currently have well-developed research programs in many fields, including the molecular biology of cell adhesion, cytokines, oncogenes, and cell surface receptors. In addition, we strongly encourage academic interactions and publication of results.

Qualifications include a PhD or MD augmented by at least two years of post-doctoral research experience in molecular aspects of development, immunology or pathology. Knowledge of transgenic animal technologies including gene targeting is preferred.

Conveniently located ten miles west of New York City, we provide a dynamic research environment, expertise and support in all areas of molecular biology, a competitive salary, a generous bonus and benefits package, and the resources for a creative scientist to have significant impact. Please send your c.v. and three letters of reference to: Mrs. Eleanor Malone, Staffing and Employee Services, Department EM331ML, Hoffmann-La Roche Inc., Nutley, New Jersey 07110. We are an equal opportunity employer.

ROCHE

Hoffmann-La Roche

PROTEIN CRYSTALLOGRAFy FACULTY POSITIONS AT THE OHIO STATE UNIVERSITY

Applications are invited for tenure track faculty positions at the Assistant Professor level. Outstanding applicants at a higher level will also be considered. Demonstrated excellence and strong commitment to research and teaching are essential. Successful candidates will occupy new laboratories on the macromolecular crystallography floor of the Biotechnology Center and hold a joint appointment in the Department of Biochemistry, or other appropriate departments. The University is located in Columbus, the state capital, a growing and affordable city of about one million people that has been voted by Newsweek magazine as one of the top ten cities. Candidates should submit a curriculum vitae, a statement of research interests and three letters of recommendation to: Dr. M. Sundaralingam, The Ohio State Biotechnology Center, 1060 Carmack Rd., Columbus, OH 43210. Review of applications will begin on December 15, 1991. The Ohio State University is an equal opportunity employer which specifically invites and encourages applications from women and minorities.

ROCHE

MAMMALIAN MOLECULAR GENETICS

SENIOR SCIENTIST

Unigene Laboratories, Inc., a multidisciplinary biotechnology research corporation, is seeking a qualified senior scientist for the molecular biology group.

The successful candidate should possess a Ph.D. degree in cell biology or molecular biology and expertise in the expression of heterologous proteins in eukaryotic hosts. In addition, relevant post-doctoral research experience either in the field of cytokine or peptide hormone receptors or in the area of cellular adhesion molecules is required.

Unigene offers excellent compensation, a comprehensive benefits package including equity participation, and an opportunity to make a significant contribution to a small yet well established company which encourages professional development. Please send a C.V. in confidence to:

Unigene Laboratories, Inc.
Personnel Department
110 Little Falls Road
Fairfield, NJ 07004

An equal opportunity employer

UCAR

The University Corporation for Atmospheric Research (UCAR) is pleased to announce the continuation of its Visiting Scientist Research Program which provides research opportunities at the National Meteorological Center (NMC) at Camp Springs, Maryland.

The program offers visiting research appointments in the atmospheric and related sciences at one of the premier R&D centers devoted to operational weather prediction in the United States. Openings in the UCAR program include positions for senior and postdoctoral scientists. Remuneration will be commensurate with the experience of the scientists and local living costs, and will be competitive with analogous university and government appointments.

There is no application form. Appointments will be for up to two years. Qualified scientists are encouraged to apply to this program by sending a resume along with a statement of how their research interests and experience relate to the areas of scientific interest at the host institution. All applications should include the names and addresses of four professional references. Appointments are made twice per year from applications submitted by January 15 and August 1. Send the required information to Meg Austin, UCAR Projects Office, P.O. Box 3000, Boulder, CO 80307. For a flyer describing the program in more detail, please contact her at (303) 497-8630 or via e-mail at mah.austin@omnet.

UCAR is an Equal Opportunity/Affirmative Action Employer

 Ankara University
POSITIONS OPEN

MATHEMATICAL STATISTICAL CONSULTANT-ANT. Research consultation in mathematical research projects; selects methods of data collection, tabulation and analysis using statistical survival, life table, variance and nonparametric statistical methods for various clinical trials. Analyzes medical and statistical data, uses VAX computers (8550, 785, 750, MICOR VAX III), and SAS software. Minimum requirements: Master's degree in mathematics or statistics and 2 years of work experience as a mathematical statistician. Hours of employment: 9:00 a.m. to 5:00 p.m., 40 hours per week. Salary: $7288.47. Location: Northwestern Illinois. Must have proof of legal authority to work permanently in the United States. Send resumes to: Illinois Department of Employment Security, 401 South State Street, Chicago, IL 60605. Reference: V-IL 2269-K. No calls. An employer-paid ad.

RESEARCH LEADER POSITION
SEED BIOSYNTHESIS RESEARCH UNIT

The USDA/ARS is seeking a Research Leader (GM-13/14/15) for the Seed Biosynthesis Research Unit, National Center for Agricultural Utilization Research (NAUR) in Peoria, Illinois. The center employs 300 scientists and support personnel who develop and facilitate commercialization of products and uses from agricultural commodities. The facilities include state-of-the-art instrumentation, a library, and computer center. The Seed Biosynthesis Research Unit focuses on the biochemistry, physiology, and molecular biology of maize and soybeans. Projects include characterization of carbon and nitrogen metabolism, disease resistance, amylose biosynthesis, starch granule hydrolysis, and protein targeting and transport in maize seeds and related tissues and cultures, and characterization of raffinose oligosaccharide synthesis and lipid metabolism in soybeans. The incumbent will supervise a staff of 19, including 9 scientists, and develop a new research project on a topic within the scope of the research unit.

Ph.D. in related field is desirable. Knowledge of plant physiology, biochemistry, and molecular biology is required. U.S. citizenship is required. Salary commensurate with experience in the range $44,348 to $61,643 per annum. For further information contact Dr. Richard L. Dunkle, Director, USDA/ARS/NAUR, 1815 North University Street, Peoria, IL 61604 (telephone: 309-685-4011). Application procedures and forms, telephones, etc. 633. Application must be postmarked by 31 December 1991. Incomplete applications will not be considered. USDA/ARS is an Equal Opportunity Employer.

RESEARCH SCIENTIST
THORACIC AND CARDIOVASCULAR SURGERY

The Division of Thoracic and Cardiovascular Surgery at The Ohio State University is searching for a research scientist for their research laboratory. Applicants should have a Ph.D. in biomedical engineering with a strong background in cardiac physiology. The primary interests of the laboratory are heart and lung preservation for transplantation, basic cardiac physiology, and development, evaluation, and implementation of ventricular assist and total heart devices. Use of skills for the successful applicant include computer technology, electrical engineering and physics, cardiovascular physiology, statistics, technical analysis, and biochemistry. The candidate should be capable of participating in routine laboratory measurements and the instrumentation necessary to accomplish these tasks. Experience is anticipated that experimental funding would be obtained within 2 to 3 years. Salary and level of appointment will be commensurate with the candidate's background. The Ohio State University is an Equal Opportunity/Affirmative Action Employer.

Please respond with curriculum vitae and references to:
P. David Myerowitz, M.D.
Chief, Thoracic and Cardiovascular Surgery
The Ohio State University Hospitals
N-825 Doan Hall
410 West Tenth Avenue
Columbus, OH 43210

POSITIONS OPEN

SENIOR ASSOCIATE, TOXICOLOGIST. Position available immediately for a Ph.D. with 0 to 3 years of experience in toxicology or related biological science and an interest in risk assessment. The ILSI Risk Science Institute (RSI) a public, nonprofit research foundation with headquarters in Washington, D.C. and an office in Chicago, Illinois. was established in 1985 to improve risk assessment by strengthening the scientific principles on which assessments have been based. Applicants with work experience from diverse disciplines and will be responsible for evaluating and analyzing technical data, drafting and editing technical manuscripts and coordinating and staffing technical working groups. Send curriculum vitae to: Dr. Carol J. Henry, Executive Director, ILSI Risk Science Institute, 1126 Sixteenth Street, N.W., Suite 110, Washington, D.C. 20036.

DynaGen, Inc.

THREE SENIOR SCIENTIST POSITIONS OPEN AT DYNAGEN. DynaGen, Inc., a Cambridge-based public pharmaceutical development company, is expanding its biomaterials/medical polymers group and is seeking new members with experience in biomedical polymers (synthesis and drug delivery systems formulations), polymer-based orthopedic products, and vaccine delivery systems. Applicants will join on-going product development programs with responsibilities for specific development projects in controlled release of therapeutics and vaccine immunogens and in polymer-based vaccines and surgical products. Experience in product development, patent filing and project management are important. Competitive salaries and relocation participation are offered. Send resume and at least three references to: Ms. Cindy Kiley, DynaGen, Inc., 99 Erie Street, Cambridge, MA 02139.

SCIENTIST

Immediate opening for scientist to participate in research program investigating mechanisms of wound healing. M.D. or Ph.D. with experience in biochemistry, wound healing and working knowledge of growth factor isolation and function preferred. We offer a competitive salary and an excellent employee benefits package. Submit curriculum vitae with three references to: Human Nuses, Ph.D., American Red Cross, Plasma Derivatives Laboratory, 15601 Crabb Branch Way, Rockville, MD 20855. Equal Opportunity Employer, F/M/V/H.

SENIOR RESEARCH INVESTIGATOR to characterize smooth muscle function of the GI tract in vitro and in vivo using neurotransmitter and non-peptide activities; establish new in vitro models of smooth muscle function by isolating single smooth muscle cells utilizing videomicroscopic image analysis and isolated myenteric ganglia; design a computerized system to measure the single smooth muscle cell length (contraction/relaxation); perform measurement of single transduction HPLC analysis of inositol polyphosphates, measurement of intracellular levels of cyclic nucleotides, and the measurement of intracellular calcium; recording of in vitro smooth muscle strip changes in tension; conduct quantitative fluorescence image analysis which enables viewing and monitoring calcium levels of single viable gastric smooth muscle cells; design and conduct studies to investigate mechanisms of smooth muscle function that increase understanding of drug action; and establish and conduct smooth muscle screening assays to discover new compounds for treating gastrointestinal diseases. Applicants must possess Ph.D. in pharmaceutical sciences or biopharmaceuticals plus 2 years of experience in job offered or 2 years as research associate. Experience or academic research must have involved the investigation of the effect of gastrointestinal hormones, gastrin and cholecystokinin on the contraction and relaxation of functional smooth muscle cells through interaction with specific receptors and VIP-induced relaxation through receptors coupled to adenylate cyclase. Forty hours per week, Monday to Friday, 8 a.m. to 4:30 p.m.; $49,200 per annum. Must have proof of permanent legal authority to work in the United States. Send resume to: Illinois Department of Employment Security, 401 South State Street, Three South, Chicago, IL 60605, Attention: L. Donegan, Ref. V-IL-3314D. No calls. An employer-paid ad.

POB 632

POSITIONS OPEN

SCIENTIST, IMMUNOCHEMISTRY/MOLECULAR BIOLOGY. American Red Cross seeks an experienced Ph.D.-level scientist with background in immunology and/or molecular biology of infectious disease. The appointee will be expected to develop novel approaches for the detection of transfusion-transmitted agents in human blood, with particular focus on agents of emerging, rather than established concern. Significant, hands-on experience in the development of diagnostics for viral, parasitic or bacterial pathogens is required. Send curriculum vitae and three references to: Roger Y. Dodd, Ph.D., Transmissible Diseases Laboratory, American Red Cross, 15601 Crabb Branch Way, Rockville, MD 20855. Equal Opportunity Employer, M/F/H/V.

MEETINGS

HEALTH EFFECTS OF AIR POLLUTION CONFERENCE

A two-day conference to explore recent air pollution health effect findings from a medical and regulatory viewpoint. Sponsored by California Air Resources Board and South Coast Air Quality Management District in 20th and 21st. November 1991. Davidson Conference Center University of Southern California, Los Angeles $65.00 registration fee includes breakfasts and lunches. For more information call: Karen Weir-Brown 714-396-3078

MEASURING, UNDERSTANDING, AND PREDICTING EXPOSURES IN THE 21ST CENTURY

In the 21st Century, 18 to 21 November 1991 Announcing a conference on the emerging science of exposure analysis, including training courses, technical sessions, poster sessions, and exhibits. Sponsored by the Agency for Toxic Substances and Disease Registry (ATSDR), the Centers for Disease Control (CDC), and the U.S. Environmental Protection Agency (EPA). For information, please contact: Julia Traub, Conference Coordinator
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