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**POSITIONS OPEN**

**ASSISTANT PROFESSOR REPRODUCTIVE BIOLOGY**

Applicants are sought for a tenure-track position in the Division of Reproductive Biology, Johns Hopkins University. We are particularly interested in applicants who use cellular and molecular research to study the basic reproductive processes. However, all excellent candidates with interests in any area of reproductive biology are encouraged to apply. Applicants must have a Ph.D. M.D. or equivalent degree and at least 2 years of postdoctoral training. A faculty member is expected to maintain a full-time research program, to graduate and postgraduate students and to teach at the graduate level. Application deadline is 2 January 1992; starting date is negotiable. Please send curriculum vitae, a description of proposed research and names of four references to: Dr. William W. Wright, Chairman, Search Committee, Division of Reproductive Biology, Department of Population Dynamics, Johns Hopkins University School of Hygiene and Public Health, 615 North Wolfe Street, Baltimore, MD 21205.

**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 research areas are possible, however, and could complement existing programs and aid the department's continuing development. The successful candidate will be expected to develop or transfer an active research program, to excel 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 extramurally supported research programs will be considered. The department has excellent facilities and is planning to add a new facility in the near future. Start-up funds are available and a salary is competitive.

Laramie is located in the Rocky Mountains and offers access to a number of outdoor activities.

Screening of applications will begin 2 January 1992. Applicants should submit curriculum vitae, bibliography, statement of research interests and plans, or as well as three letters of reference sent to: Chairman, Department of Molecular Biology, University of Wyoming, Laramie, WY 82071-3944.

**BIOCHEMISTRY/MOLECULAR BIOLOGY**

**FACULTY POSITION**

**UNIVERSITY OF MISSOURI–KANSAS CITY**

Applications are invited for an ASSOCIATE or ASSOCIATE PROFESSOR in the School of Basic Life Sciences at the University of Missouri–Kansas City. The successful candidate will be expected to have several years of postdoctoral experience with strong research credentials as well as an ability to develop a strong research program in the area of protein crystallography. The successful candidate will be expected to have several years of postdoctoral experience. The successful candidate will be expected to have several years of postdoctoral experience. The successful candidate will be expected to have several years of postdoctoral experience.

**BIOCHEMISTRY FACULTY POSITION**

University of Oregon. BIOCHEMISTRY FACULTY POSITION. The Department of Chemistry invites applications for a tenure-track faculty position in the division of biochemistry, beginning fall 1992. The anticipated rank of ASSISTANT PROFESSOR of Chemistry with membership in the Institute of Molecular Biology is a Ph.D. in molecular and cell biology who could interact with the multidisciplinary programs in the Institute of Molecular Biology which have been funded, in part, by the National Institutes of Health. The candidate should have a Ph.D. in molecular biology and a strong record of research and publication. The application deadline is 2 January 1992; starting date is negotiable. Please send curriculum vitae, a description of proposed research and names of four references to: Dr. William W. Wright, Chairman, Search Committee, Division of Reproductive Biology, Department of Population Dynamics, Johns Hopkins University School of Hygiene and Public Health, 615 North Wolfe Street, Baltimore, MD 21205.

**BIOLOGICAL SCIENCES FACULTY POSITION**

**UNIVERSITY OF OREGON**

The Department of Biology at the University of Oregon has an opening at the ASSISTANT PROFESSOR level for an individual working in the area of biochemistry and molecular biology. The appointment has been made possible by a grant from the John and Margaret S. Markey Charitable Trust to create a program in molecular biology. The successful candidate will be expected to teach and to conduct a vigorous research program. The appointment is 90% teaching and 10% research.

Applications are invited from biochemists and molecular biologists who have a strong record of research and publication. The successful candidate will be expected to teach and to conduct a vigorous research program. The appointment is 90% teaching and 10% research.

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**POSITIONS OPEN**

**TWO POSITIONS BIOCHEMIST AND ORGANIC CHEMIST**

New Mexico State University, Department of Chemistry, invites applications for two faculty positions in BIOCHEMISTRY and ORGANIC CHEMISTRY. Applicants should have a Ph.D. and postdoctoral experience. Successful applicants will be expected to demonstrate excellence in teaching at the graduate and undergraduate levels and to establish an independent research program capable of attracting graduate students and extramural funding. Applicants should submit: a letter of application, curriculum vitae, including copies of transcripts of undergraduate and graduate studies, a description of research interests and plans for future research, two letters of recommendation, a statement of teaching interests, and arrange to have at least three letters of recommendation sent to: Dr. Frank Guiziec (organic search) or Dr. James Hageman (biochemistry search), Department of Chemistry, Box 30001, Department 3C, New Mexico State University, Las Cruces, NM 88003. The deadline for receipt of all materials is 31 December 1991. New Mexico State University is an Equal Employment Opportunity/Affirmative Action Employer. Offer of employment is contingent upon verification of individual's eligibility for employment in the United States.

The Biology Department at California State University, Los Angeles, will fill two ASSISTANT PROFESSOR positions beginning fall 1992. The department seeks applicants who want to combine quality teaching with an active research program involving undergraduate and graduate students. **ANATOMY/MORPHOLOGY**. Applicants with an interest in neuroanatomy and/or electron microscopy are especially encouraged to apply but all applicants will be given serious consideration. Teaching duties may include introductory animal biology, human anatomy, and a specialty course such as comparative anatomy. **ENTOMOLOGY**. We seek an individual with broad academic training who will develop an active research program dealing with insect-related population or environmental problems. The faculty member will teach courses in entomology and entomology methodology, and will have the opportunity to develop a course in specialty area. Research start-up funds are available for both positions and biologically related research may be supplemented with grant funds from the Howard Hughes Medical Institute. Applicants for both positions should submit curriculum vitae, statement of future research plans, three letters of recommendation to: Dr. Alan Muchlinski, Chairperson, Department of Biology, California State University, Los Angeles, CA 90032, by 31 December 1991. Deadline: 10 December 1991 or until filled. Equal Opportunity/Affirmative Action/Handicapped Employer.

**FACULTY POSITION IN BIOLOGICAL CHEMISTRY** at UHS/Chicago Medical School. ASSOCIATE PROFESSOR position (tenure track) available immediately. Preference given to mechanistic, mutagenesis, folding, spectroscopic, or other physical biochemical approaches. Preferred systems include receptors, growth factors, viral proteins, nucleic acid binding proteins, or catalytic antibodies. Experienced candidates with a proven record of accomplishment are invited to apply and will be expected to maintain their own program in the existing research environment and modern facilities of the school, located in a pleasant North Shore suburb 30 minutes north of the Loop. Send letter of application, curriculum vitae, names of references, and description of research to: Dr. K. E. Neet, Chairman, Department of Biological Chemistry, UHS/Chicago Medical School, 3333 Green Bay Road, Evanston, IL 60201. An Equal Opportunity/Affirmative Action Employer.

**DIRECTOR HEMATOLOGY**. The University of Mississippi Medical Center is seeking candidates for Director of the Division of Hematology. Candidates should have a Ph.D. or M.D. with accomplishment in hematology, have successfully competed for peer-review research support and be qualified for the academic rank of ASSOCIATE PROFESSOR or PROFESSOR. Qualifications and a letter of intent should be submitted to: Dr. Martin Steinberg, VA Medical Center, 1500 East Woodrow Wilson, Jackson, MS 39216. The University of Mississippi Medical Center is an Equal Opportunity Employer, M/F/H/V.

**POSITIONS OPEN**

**ASSISTANT PROFESSOR OF BIOLOGY**

Continuing its program of growth and development, the Department of Biology at Boston College is seeking applications to fill one, perhaps two, tenured-track positions at the assistant professor level for the fall of 1992. Both positions involve active responsibility for teaching in undergraduate and graduate courses and colleges and over 14,000 students. The Biology Department has an active graduate program with approximately 40 Ph.D. candidates and M.S. students and over 450 undergraduate majors.

The successful candidate will be expected to develop a strong extramurally funded research program in an aspect of molecular genetics or developmental biology. Complementary or current research programs in: cellular and molecular biology; neurobiology and physiology; genetics, inorganic and organic chemistry; and reproduction biology. The department is committed to excellence in teaching and the new faculty member will, in addition to teaching in their area of expertise, be expected to contribute to needs in one of a number of other areas such as: cellular biology, introductory biology, biochemistry or molecular evolution.

Salary, start-up funds and laboratory resources are competitive with other research universities. Applicants must have a Ph.D. degree and have at least 2 years of post-doctoral research experience including curriculum vitae, publications list and a one page summary of current and future research plans should be sent to the Search Committee. Applications must also arrange for three letters of recommendation to be sent. The deadline for applications is 1 December 1991; however, early application is recommended since applications will be reviewed as received.

Search Committee Department of Biology Boston College Chestnut Hill, MA 02167

The Department of Chemistry, Yale University, invites applications for three ASSISTANT PROFESSOR positions in INORGANIC CHEMISTRY effective fall, 1992. We seek bright, enthusiastic candidates who have promise for developing outstanding research programs in inorganic and organic chemistry.

Applications should send curriculum vitae, a statement of research interests and plans, and should arrange for the submission of three letters of recommendation. All materials should be received by 6 December 1991. Send applications to: Chair, Faculty Search Committee, P.O. Box 6666, New Haven, CT 06511–8118. Yale University is an Equal Opportunity/Affirmative Action Employer.

**ASSISTANT PROFESSOR, MOLECULAR GENETICIST**. The Department of Biology at Dickinson College seeks applicants for a tenure-track assistant professor position. This position is available effective 1 July 1992. Undergraduate teaching responsibilities include primarily courses in genetics and advanced molecular genetics and, secondarily, a course in microbiology and participation in introductory biology. The successful candidate will have access to institutional start-up and research support funds and will be expected to develop an active research program involving undergraduates. Send curriculum vitae, statement of research and teaching interests, transcripts and three letters of recommendation by 20 December 1991 to: Dr. John Henson, Molecular Geneticist Search Committee, Department of Biology, Dickinson College, Carlisle, PA 17013. Dickinson is a highly selective liberal arts college with an emphasis on integrative science education. Dickinson College is an Equal Opportunity/Affirmative Action Employer.

Princeton University. Psychology Department. The department anticipates the possibility of making one or more appointments at the ASSOCIATE PROFESSOR level, or possibly a higher level, in the fields of social-personality and cognitive psychology including perception and information processing. Candidates will continue their work in these fields and/or have an interest in establishing links neuroscience are especially encouraged to apply. Applicants are also expected to have demonstrated ability in teaching at both the graduate and undergraduate levels, and are expected to be committed to an active research program involving undergraduates and to develop a curriculum vitae, research proposals, lists of publications and three letters of reference to: Search Committee B, Department of Psychology, Princeton University, Green Hall, Princeton, NJ 08540–1010, by 15 January 1992. Princeton University is an Equal Opportunity/Affirmative Action Employer.

Harvard University, Department of Anthropology, invites applications for an ASSOCIATE PROFESSORSHIP in BIOLOGICAL ANTHROPOLOGY. We are especially interested in the evolution and ecology of human populations, and the evolution of cognition. Applicants should evidence a strong commitment to field of laboratory research, and ability to teach undergraduates and direct doctoral research. Send curriculum vitae and names of three references to: Chair, Department of Anthropology, Harvard University, Cambridge, MA 02138. An Equal Opportunity/Affirmative Action Employer.

**FACULTY POSITIONS IN CHEMISTRY**

The Chemistry Department at the University of California, Berkeley, seeks applications for positions as ASSISTANT PROFESSOR of Chemistry, beginning in fall of 1992. Creative and energetic candidates in organic, inorganic, bio-organic, or materials chemistry who show exceptional promise for research and teaching are especially encouraged to apply. Candidates should have a Ph.D. degree and at least 2 years of post-doctoral experience in research and teaching. Candidates should have evidence of ability to attract extramural funding. Applicants should send curriculum vitae, bibliography, statement of research plans, a representative research article, and the names, addresses, and telephone numbers of three references to: Head, Department of Chemistry, James Madison University, Harrisonburg, VA 22801. Screening of applicants will begin 25 November 1991, and continue until position is filled. The University is an Equal Opportunity/Affirmative Action Employer.

**ASSISTANT PROFESSOR, MICROBIOLOGY**. The Department of Biology and Chemistry at UHS/Chicago Medical School invites applications for an ASSOCIATE PROFESSOR, TENURE-TRACK POSITION in molecular biology for appointment in fall 1992. We seek an outstanding individual with active funded research programs. We offer start-up money, an excellent research space and competitive salary. Individuals will join an active well-fund group of researchers in the field of neuroendocrine diseases and neural transplantation. Submit curriculum vitae, three representative publications, names of three references and statement of research interest to: Chairman, Search Committee, Dr. Elliot Mufson, Rush Presbyterian/St. Luke's Medical Center, Tech. 2000, 222 East Harrison Street, Suite 200, Chicago, IL 60612. Rush Hospital is an Equal Opportunity/Affirmative Action Employer.

**MOLECULAR BIOLOGIST**

The Department of Neurological Sciences, Rush Presbyterian/ St. Luke's Medical Center, Chicago, seeks applications for an ASSOCIATE PROFESSOR, TENURE-TRACK POSITION in molecular biology for appointment in fall 1992. We seek creative and energetic candidates with a strong commitment to research in the molecular biology of neuroendocrine diseases and neurotrophic factors. We seek an outstanding individual with active funded research programs. We offer start-up money, a stimulating research space and competitive salary. Individuals will join an active well-funded group of researchers in the field of neuroendocrine diseases and neural transplantation. Submit curriculum vitae, three representative publications, names of three references and statement of research interest to: Chairman, Search Committee, Dr. Elliot Mufson, Rush Presbyterian/St. Luke's Medical Center, Tech. 2000, 222 East Harrison Street, Suite 200, Chicago, IL 60612. Rush Hospital is an Equal Opportunity/Affirmative Action Employer.

**NEUROBIOLOGIST**. Tenure-track position at ASSISTANT PROFESSOR level for broadly trained neurobiologist. Responsibilities include teaching advanced undergraduate courses and conducting research to the core curriculum. The position also provides the opportunity to participate in an interdisciplinary psychobiology program. Excellence in teaching and development of an active research program involving undergraduates are essential. Mount Holyoke College, a liberal arts college for women, invites applications for this position. Send curriculum vitae, letter of interest and names of three references to: Chair, Search Committee, Dr. Sue Ellen Gruber, Department of Biological Sciences, Mount Holyoke College, South Hadley, MA 01075.
A TIME FOR ACHIEVEMENT

The opening of the new Glaxo Inc. Girolami Research Institute, located in Research Triangle Park, NC, represents our continued commitment to the discovery and development of drugs for unmet patient needs.

Our Discovery Research Team consists of several interdisciplinary teams of Scientists committed to understanding the molecular basis of signal transduction and gene regulation. Our continued efforts will yield a new generation of drugs for the treatment of those serious diseases of mankind within our therapeutic focus: cancer, rheumatoid arthritis, diabetes and osteoporosis. We intend to strengthen and diversify these teams by appointments to a series of new positions within MOLECULAR BIOLOGY that will provide opportunities for innovation and leadership. The following opportunities are now available.

TEAM LEADER

The selected individual will play a key role in expanding our program in the area of gene regulation and/or signal transduction. This challenging position requires a Ph.D. in a biological science, 2-3 years postdoctoral experience and a minimum of 5 years relevant experience in an academic or industrial setting. The successful candidate will be an accomplished researcher with a demonstrated record of leadership in directing an innovative research program.

Please refer to Job #9126B107-SC on all resumes.

RESEARCH INVESTIGATOR/SENIOR SCIENTIST

Career launch positions for individuals interested in developing molecular biology oriented research programs in gene regulation and/or signal transduction. These positions require a Ph.D. in a biological science with a minimum of 2-3 years relevant postdoctoral experience. Successful candidates will have demonstrated the ability to creatively and collaboratively conduct productive research projects.

Please refer to Job #9126B109-SC on all resumes.

ASSOCIATE INVESTIGATORS

Career opportunities are available for individuals to join a team investigating mechanisms of gene regulation and signal transduction. To qualify, you must have a BS or MS degree in molecular biology or a related discipline and 2-4 years of laboratory experience. The successful applicants will have experience in RNA and DNA isolation, Northern gel analysis, DNA sequencing, cell culture and DNA transfections and promoter analysis. Experience with reporter gene, gel-shift and DNA footprinting assays would be beneficial.

Please refer to Job #9126-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, NC. Interested and qualified applicants are invited to forward your resume, INDICATING THE CORRESPONDING JOB # and salary history, 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/H/V.

Glaxo Inc.
EVOLUTIONARY BIOLOGIST: The Department of Cell, Molecular and Structural (CMS) Biology, Northwestern University Medical School, announces a tenure-track ASSISTANT PROFESSOR level. We are particularly interested in individuals who are applying genetic, developmental, functional or phylogenetic approaches to understanding vertebrate structural and genetic evolution. The successful candidate will establish a research program in the Integrated Graduate Program in the Life Sciences on Northwestern's Chicago Campus. Please send curriculum vitae, statement of research interests, names of references, and appropriate publications by 30 September 1991 to: Brian Shea, Department of CMS Biology, Northwestern University, 303 East Chicago Avenue, Chicago, IL 60611.

Northwestern University is an Equal Opportunity/Affirmative Action Employer and invites applications from all qualified individuals. Applications from women and minorities are especially sought.

IMMUNOLOGISTS

The University of Washington seeks highly qualified applicants for postdoctoral and tenure-track positions in the Department of Immunology. Applicants must have a Ph.D. or M.D. degree, at least 2 years of appropriate postdoctoral training, and demonstrated their potential to establish strong independent research programs in immunology. Although the department is seeking a person at the ASSISTANT PROFESSOR rank, under unusual circumstances and commensurate with the qualifications of the individual, appointment may be made at the rank of associate professor or professor. The department invites applications for postdoctoral new investigator space with access to flow cytometry, biopolymer synthesis, and transgenic animal facilities. Send curriculum vitae, a brief description of proposed research, and three letters of recommendation by 6 January 1992 to: R. M. Ferrett, M.D., Ph.D., Chairman, Department of Immunology, SL-05, University of Washington, Seattle, WA 98195.

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

MOLECULAR HEMATOLOGIST: The Department of Pathology, University of Louisville School of Medicine, invites applications for a tenure-track position in molecular hematology. Appointment will be at the level of ASSISTANT PROFESSOR or ASSOCIATE PROFESSOR, as determined by experience. Research interests are regulation of gene expression, molecular mechanisms of normal differentiation and malignant transformation, and gene therapy. The selected candidate will have the opportunity to develop an extramurally funded basic research program that will interact with interdisciplinary programs within the James Graham Brown Cancer Center. Qualified candidates should have a Ph.D. or M.D., or the equivalent and at least 3 years of postdoctoral experience in molecular biology. Interested candidates should send curriculum vitae, names of three references, a summary of past research achievements, and plans for future research to: S. C. Peiper, M.D., James Graham Brown Cancer Center, 529 South Jackson Street, Louisville, KY 40292. The deadline for applications is 15 November 1991. The University of Louisville is an Equal Opportunity, Affirmative Action Employer.

VERTEBRATE BIOECOLOGIST

The Department of Biology at Trinity University invites applications for a tenure-track ASSISTANT PROFESSOR position beginning August 1992. Candidates must possess a Ph.D., and have research interests that are compatible with undergraduate education. Duties include teaching courses in vertebrate zoology, participation in ecology courses, and academic advising.

Applicants should send curriculum vitae, summary of research interests and names of three references to: Professor Thomas L. Koppenheffer, Chairman, Department of Biology, Trinity University, San Antonio, TX 78212. Application deadline is 22 November 1991. Women and minority candidates are strongly encouraged to apply. Trinity University is an Equal Opportunity/Affirmative Action Employer.
SCIENTISTS
PCR TECHNOLOGY

Roche Diagnostic Systems is committed to research leading to innovative diagnostic tools, as clearly demonstrated by our Polymerase Chain Reaction technology—a revolutionary technique that may lead to the most sensitive diagnostic tools ever developed. We are seeking several enthusiastic scientists at various levels to join in the development of DNA probe assays using PCR technology. Strong interpersonal, organizational and record keeping skills are important.

ASSOCIATE SCIENTIST: You will operate and troubleshoot DNA synthesis and HPLC equipment; maintain PC databases and DNA stocks; perform intermediate-scale DNA synthesis; and carry out purification and chemical modification of DNA. A BS or MS in Chemistry with relevant experience required. Please refer to Position AS-12 on resume.

SCIENTIST: You will be responsible for DNA probe assay development, testing of clinical specimens and transfer of product to manufacturing. A BS or MS in a relevant discipline, industrial experience and a background in microbiology or virology required. Please refer to Position S-16 on resume.

SENIOR SCIENTIST: You will develop semi-automated and automated clinical diagnostic assays. PhD or BS/MS with equivalent related experience and a strong background in assay development, infectious diseases and DNA probe assays required. Please refer to Position SS-20 on resume.

GROUP LEADER: You will head the laboratory responsible for scale-up, process development and manufacture of diagnostic oligonucleotides in a regulated environment. A PhD (or equivalent experience) in Organic Chemistry and strong leadership abilities are essential. A background in large-scale oligonucleotide synthesis/purification and knowledge of GMPs are desirable. Please refer to Position GL-24 on resume.

We offer salaries commensurate with your experience and education, a generous bonus and benefits package and the opportunity to participate in one of the most exciting technological developments in the world. For confidential consideration, please send your resume, indicating the code for your position of interest and present salary (those without this information will not be acknowledged), to: Mrs. Eleanor M. Malone, Staffing and Employee Services, Department EM321/L, Hoffmann-La Roche Inc., Nutley, NJ 07110. We are an equal opportunity employer.

EXECUTIVE EDITOR
Major New Journal on the Sciences of Complexity

Pergamon Press, together with the Santa Fe Institute, is launching a new journal devoted to the sciences of complexity, and requires a full-time Executive Editor for the day-to-day management of this publication, under the guidance of the academic Editor-in-Chief and an international Advisory Editorial Board. This newly created position presents an exciting opportunity to pursue a career in scientific publishing covering one of the most rapidly developing fields in science.

The Executive Editor will be located at the Santa Fe Institute, in Santa Fe, New Mexico, USA. Created in 1984, the Santa Fe Institute is a private, independent organization dedicated to research into complex systems, ranging from the global economy to the immune system, to the learning process.

Reporting to the Executive Vice President of the Santa Fe Institute and the Editorial Director of Pergamon Press, the Executive Editor will be responsible for the day-to-day management of the journal and for its development. Duties will include the commissioning and technical editing of articles in liaison with the Editor-in-Chief and the Editorial Board and keeping abreast of developments in the field. The Executive Editor will be expected to travel to important conferences, and to develop contacts with institutions and research workers in the field of complexity.

Candidates will have at least a first degree, and preferably a higher degree, in any of the natural or social sciences, must have good communication skills and demonstrable knowledge of complex and adaptive systems. The ability to present technical information in a concise, readable way, an eye for detail and the ability to work to deadlines and as part of a team are essential. Previous experience in publishing would be an advantage, but all candidates with relevant experience in complex and adaptive systems, whether from a publishing background, or from a technical background, will be considered.

Applications, in writing, accompanied by a full Curriculum Vitae, should be sent to: Dr Peter T Shepherd, Editorial Director, Pergamon Press plc, Headington Hill Hall, Oxford OX3 0BW England.
CHAIR
BEHAVIORAL NEUROSCIENCE PROGRAM

The State University of New York is seeking a Chair for a newly-developed Behavioral Neuroscience Program. The program will be interdisciplinary, involving faculty from both the School of Medicine and College of Art & Sciences. A number of tenure-track faculty lines in addition to the Director’s will be devoted to the further development of this Program, and this is to be built on top of the significant existing strengths that already exist in various Departments (e.g. Psychiatry, Psychology and Neurobiology & Behavior).

The Chair’s position will be a senior, tenured faculty appointment. Departmental affiliation is negotiable. We are looking for a well-recognized scientist with an outstanding track record of research involving the study of the nervous system and its relationship to behavior. We expect the Chair to maintain a vigorous, productive, and independently funded research program. Ample space and start-up funds will be provided. The position also requires recruiting, administrative, and leadership skills to promote further development of the Behavioral Neuroscience Program.

Applicants should submit a curriculum vitae, with the names and addresses of at least 3 references, to: Murray S. Sherman, Chair, Behavioral Neuroscience Search Committee, Department Neurobiology and Behavior, University at Stony Brook, Stony Brook, NY 11794-5230. The closing date for applications is 22 November 1991.

SUNY at Stony Brook is an affirmative action/equal opportunity educator and employer.

RESEARCH SCIENTISTS

The Immunology Research Group in the Department of Virus and Cell Biology of Merck Sharp & Dohme Research Laboratories is seeking three individuals to join its research program. The research efforts focus on the generation of protective immune responses against viral and tumor antigens associated with MHC Class I molecules. Backgrounds in immunology and virology would be helpful in addition to a primary expertise in:

Molecular Biology: This scientist should have particular experience in transient and stable mammalian cell expression, including the design of vectors for inducible as well as constitutive expression.

Protein Biochemistry: This scientist should have extensive experience in purification and refolding of membrane-bound and soluble proteins. The individual must not only have technical skills but should be able to direct the biochemical efforts.

The positions require a Ph.D. or M.D. with at least 3 years of postdoctoral experience and a record of research accomplishments. Applicants with an M.S. with substantial laboratory experience in the above areas will be considered for a junior scientist position.

Excellent salary and benefit programs accompany this position at our modern research facilities located 25 miles northwest of Philadelphia. Please send curriculum vitae with references, transcripts and cover letter to:

Personnel Manager
Ad #D-39, Research Personnel, WP42-2
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POSITIONS OPEN

RESEARCH ASSISTANT PROFESSOR. The Division of Pediatric Nephrology of the University of Washington and the Children's Hospital and Medical Center, Seattle, invites applications for a newly developed full-time research assistant professor position starting 1 July 1992. Candidates must possess a Ph.D. in molecular, cell, or developmental biology and be interested in participating in the renal developmental biology research program of the Division. After an initial period of support, candidates will be expected to maintain an independent, extramurally funded program. Please submit curriculum vitae, a statement of research plans, and names of three references by 1 December 1991 to: Ellis D. Ayver, M.D., Director, Division of Nephrology, Children's Hospital and Medical Center, 4600 Sand Point Way, N.E., Seattle, WA 98105. The University of Washington is an Affirmative Action, Equal Opportunity Employer and encourages women and minorities to apply.

DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS
UNIVERSITY OF ILLINOIS
URBANA-CHAMPAIGN

ASSISTANT PROFESSOR
PROTEIN CRYSTALLOGRAPHY

Applications are invited for a tenure-track position in Macromolecular Structure, preferably Protein Crystallography, at the assistant professor level starting August 1992. Applicants are required to have a Ph.D. and postdoctoral research experience. The successful candidate is expected to develop a vigorous independent research program and participate in our undergraduate and graduate teaching programs. He/she will join a strong group of biophysicists as part of a continuing commitment to establish an outstanding program in structural biology. Salary for this 9-month appointment will be commensurate with experience and qualifications. Summer salary may be generated from teaching or research sources.

In order to ensure full consideration applications must be received by 1 December 1991. Interviews may be conducted before 1 December 1991, but final decision will be made before this date.

Applications should submit curriculum vitae, a list of publications, a short statement of future research plans, and the names of at least three references to: Dr. Andrew H.-J. Wang, Chairman, Search Committee, Department of Physiology and Biophysics, 156 Davenport Hall, 607 South Mathews, Urbana, IL 61801; telephone: 217-244-6537. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

MOLECULAR/CELLULAR BIOLOGY
FACULTY POSITION

UNIVERSITY OF MISSOURI–KANSAS CITY

Applications are invited for an ASSISTANT or ASST. PROFESSOR, School of Basic Life Sciences at the University of Missouri–Kansas City. The successful candidate will be expected to have several years of postdoctoral experience with strong research credentials to be able to develop a strong research program in, but not limited to, any of the following areas: signal transduction mechanisms, molecular genetics and gene expression, regulation mechanism in eukaryotes, molecular mechanisms of sensory perception and microscopy/image analysis. Preference will be given to candidates intending to apply their research to the understanding of basic molecular mechanisms of cellular aging. Duties include teaching at the graduate level and for the health sciences professions, and training of graduate and postdoctoral students. Competitive salaries, start-up funds, laboratory space and associated research facilities are available in an emerging academic unit developing a major program in molecular recognition, including molecular basis of sensory perception and aging. This faculty addition will complement the 20 new faculty members hired in the last 5 years for the center of excellence in basic life sciences. Applications, including curriculum vitae and a minimum one-page description of future research, as well as three letters of recommendation, should be sent to: M. Martinez-Carrion, Dean, School of Basic Life Sciences, University of Missouri–Kansas City, Kansas City, MO 64110. Applications will be analyzed beginning 1 December 1991 and will continue to be screened until a suitable candidate is found. The university is an Affirmative Action, Equal Opportunity Employer.

SCIENCE, VOL. 254
Polystyrene Open

Assistant or Associate Professor of Microbiology

Assistant professor (Rank 1 to 3) or associate professor (Rank 1 to 4), Department of Microbiology, Position No. 8283, tenure-track, full-time, 9-month, starting 1 August 1991. Duties will include teaching and research at the lower-division level in general microbiology and an upper-division course in microbial physiology; biochemistry; molecular biology; to develop a graduate course in the area of interest and/or specialization (to be offered on alternate years); to participate in departmental and university service. Minimum qualifications: doctorate in microbiology, with closely related field, research publications and postdoctoral experience for assistant professor (plus years as an assistant professor, teaching experience and ability to obtain extramural funding for associate professor), strong background in general microbiology and prokaryotic molecular biology. Desirable qualifications: demonstrated ability to establish strong and innovative programs in research and teaching. Minimum annual salary: $34,644 (assistant professor), $43,824 (associate professor); salary negotiable. To apply send a letter with a statement of research interests, resume and names of three references to: Dr. L. R. Berger, Chairman, Department of Microbiology, University of Hawaii, 2538 The Mall, Honolulu, HI 96822. Closing date: 15 December 1991. Inquiries: FAX: 808-956-5339. Telephone: 808-956-8603. The University of Hawaii is an Affirmative Action, Equal Opportunity Employer.

University of North Carolina (UNC) at Greensboro announces a search for the Marie Fousse Roush Distinguished Professor of Chemistry, a new endowed position. The position will be filled by a BIOCHEMIST with a strong chemistry background. The successful person will have a record of teaching, publication, and grant awards commensurate with the rank of DistinguisheD PROFESSOR. The Department of Chemistry at UNC offers the B.A., B.S., B.S. (ACS accredited) and master's degrees; in addition, a Ph.D. program in chemistry is anticipated to commence in the near future. The distinguished professor will collaborate with faculty in Ph.D-granting areas such as neuroscience and food and nutrition, as well as biology. He/she will also be involved in hiring new faculty in the biochemistry area. Salary is negotiable. Please send curriculum vitae, reprints of selected articles, and arrange for three letters of recommendation to be sent to: Dr. M. F. Farona, Head, Search Committee of Chemistry, University Of North Carolina at Greensboro, Greensboro, NC 27412. Applications must be received by 1 December 1991. Affirmative Action/Equal Opportunity Employer, minorities and women are especially encouraged to apply.

Faculty Position

Associate Professor/Professor

The Departments of Physiology/Biophysics and Pediatrics at the University of California, Irvine, are currently seeking applicants for a joint tenure-track position under the auspices of the Physician-Scientist Program. Candidates are required to have an M.D. degree and Board certification in medical genetics. Preference will be given to candidates possessing, in addition, a Ph.D. degree or a strong background in basic science research. We are seeking a colleague who will be able to develop a dynamic research program at the leading edge of molecular medicine. A proven track record of expertise in the discipline of molecular biology, molecular genetics, and membrane transport systems is highly desirable. Candidates should demonstrate a history of generating extramural funding.

The successful candidate is expected to teach medical and graduate students, in addition to providing patient care at the university's clinical facilities. Rank and salary will be determined based on qualifications and experience in accordance with university scales. The position is available mid-1992; applications must be received by 8 November 1991. Send letter of application, statement of research interests, curriculum vitae and the names of three references to:

Michael D. Cahalan, Ph.D.
Professor and Chair
Department of Physiology and Biophysics
University of California, Irvine
Irvine, CA 92717.

The University of California is an Affirmative Action/Equal Opportunity Employer.
ASSISTANT/ASSOCIATE PROFESSOR
IN HERPETOLOGY
HARVARD UNIVERSITY
DEPARTMENT OF ORGANIC
AND EVOLUTIONARY BIOLOGY
AND
MUSEUM OF COMPARATIVE ZOOLOGY

Applications and nominations are invited for an assistant/associate professor position in the biology of amphibians and/or reptiles. Applicants with postdoctoral experience should have demonstrated high potential for imaginative research. The appointee will be expected to teach at the undergraduate and graduate levels, and will supervise curatorial staff in the herpetological collection of the museum. We encourage applications from women and minority groups.

Applications should include curriculum vitae, representative reprints, summary of present and future research, and the names of three references. Send correspondence to: Dean, Search Committee in Vertebrate Biology, Museum of Comparative Zoology, 26 Oxford Street, Harvard University, Cambridge, MA 02138 by 16 December 1991.

Harvard University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION
MICROBIAL PATHOGENESIS
UNIVERSITY OF MIAMI
SCHOOL OF MEDICINE

The Department of Microbiology and Immunology at the University of Miami School of Medicine invites applications for a tenure-track faculty position at either the ASSISTANT or the ASSOCIATE PROFESSOR level. An individual utilizing a molecular approach to study any aspect of microbial pathogenesis is sought. All applications will be considered for the position at the level of associate professor should have an established, funded research program; applicants who wish to be considered at the assistant professor level should have several years of postdoctoral experience and a commitment to establishing an externally funded independent research program. Quality research facilities, start-up funds, and salary will be provided to the appointee. Applicants should have a Ph.D., M.D., or equivalent degree. The appointee will be expected to participate in graduate and medical training programs. Interested applicants should send current curriculum vitae, a statement describing research achievements and future research goals, relevant reprints, and the names of three references to: Dr. Louis Baillie, Chair, Search Committee in Microbial Pathogenesis, University of Miami School of Medicine, Department of Microbiology and Immunology (R-138), P.O. Box 248084, Miami, FL 33101. The review of applications will continue until the position is filled. The University of Miami is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION
IN MOLECULAR AND CELLULAR BIOLOGY
BERKELEY

The interdisciplinary doctoral Program in Molecular and Cellular Biology at the University of California at Berkeley invites applications from recent Ph.D. graduates in the molecular and cellular biology fields for a new postdoctoral position in the area of bacterial pathogenesis. The appointee is expected to have demonstrated high potential for imaginative research in this area. The appointee will be expected to participate in the graduate and postdoctoral training programs. Interested applicants should send current curriculum vitae, a statement of research and future research goals, relevant reprints, and the names of three references to: Dr. Robert S. Eisenberg, Chair, Search Committee in Molecular and Cellular Biology, University of California, Berkeley, CA 94720. Applications will be reviewed until the position is filled.

The University of California is an Affirmative Action/Equal Opportunity Employer. We especially invite women and underrepresented minorities to apply.
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Teaching Educator, from the will teaching accomplishments, from biochemistry, the position of Ph.D., specialization invites applications (per year). Appropriate Peggy Colby, NERC, 4512 McMurry Avenue, Ft. Collins, CO 80525. Telephone: 303-226-9393.

CHAIR
DEPARTMENT OF ANATOMY
The School of Medicine, University of South Dakota, invites applications and nominations for the tenure-track position of Professor and Chair of the Department of Anatomy, available July 1992. The candidate should have an M.D. and/or Ph.D. degree with teaching experience and a continuing record of research productivity in anatomy.

The successful applicant will be expected to continue a dynamic research program, supervise the daily administration of the department, be committed to strengthening the research and teaching programs within the department, and be committed to the training and advancement of faculty. The salary is negotiable.

Applications and nominations should include curriculum vitae with a current summary of research activities, a description of teaching and administrative experience, and the names, addresses and telephone numbers of three or more references.

Applications should be received prior to 31 December 1991. Applications and nominations should be sent to: Raymond J. Lynn, Ph.D., Chair, Anatomy Search Committee, University of South Dakota, School of Medicine, 414 East Clark Street, Vermillion, SD 57069-3880.

The University of South Dakota, School of Medicine, is an Equal Opportunity/Affirmative Action Employer.

CHAIR AND TENURED ASSOCIATE OR FULL PROFESSOR
DEPARTMENT OF VETERINARY PATHOLOGY
COLLEGE OF VETERINARY MEDICINE
Applications and nominations are invited for the position of chair and tenured associate or full professor of the Department of Veterinary Pathobiology. The department includes 52 faculty in the disciplines of anatomy, biochemistry, pathology, immunology, parasitology, microbiology, clinical pathology, pharmacology, molecular biology, and avian health, and occupies modern laboratory and teaching facilities. The College of Veterinary Medicine is located on the Twin Cities campus in St. Paul with the opportunity for interaction with colleagues from many other units of the University including the Medical School, the College of Biological Sciences, and the College of Agriculture.

Candidates must have the Ph.D. or equivalent degree from a foreign institution and preference will be given to individuals who also hold the D.V.M. or equivalent degree from a U.S. or foreign institution. The appointee will be expected to have a strong record of research and teaching accomplishments, with leadership and administrative abilities. The appointee must be able to: (1) provide leadership in professional and continuing education, and in developing competitive research programs, and (2) have an understanding of future trends in the veterinary profession and current issues relating to veterinary medicine. The successful applicant will teach courses in anatomy, histology, and pathology and will be expected to gain additional expertise in clinical pathology, histology, and anatomic pathology.

Applications with supporting material will be accepted until 15 February 1992, and should be sent to: Dr. John Petrow, Search Committee Chair, Department of Clinical and Population Sciences, 225 Veterinary Teaching Hospitals, 1365 Gortner Avenue, University of Minnesota, Minneapolis, MN 55455.

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

ASSOCIATE PROFESSOR
COLLEGE OF MEDICINE
DEPARTMENT OF ANATOMY AND STRUCTURAL BIOLOGY
The Department of Anatomy and Structural Biology, Albert Einstein College of Medicine, seeks a qualified candidate to run its Image Analysis Facility. Computer expertise necessary. Experience with Bio-Rad ConfoCor Microscope preferred. Photographic, immunomicroscopic and computer imaging, and three-dimensional reconstruction of cells and cell organelles would be helpful. Faculty benefits applicable. Applicants should submit curriculum vitae and names of three referees to: Dr. Peter Satir, Chairman, Department of Anatomy and Structural Biology, Albert Einstein College of Medicine, 1300 Morris Park Avenue, Bronx, NY 10461.

ENDOWED CENTENNIAL CHAIR
THE UNIVERSITY OF OKLAHOMA
HEALTH SCIENCES CAMPUS
The University of Oklahoma College of Pharmacy invites applications and nominations for the Henry D. and Idia Moser Endowed Centennial Chair in Toxicology. This million dollar chair was established to attract a nationally recognized scientist in the area of toxicology to enhance interdisciplinary research and education in toxicology. The position is in the newly opened Center for Toxicological Research on the Health Sciences Center campus. The College of Pharmacy is located on the University of Oklahoma Health Sciences Center Campus. The Health Sciences Center includes the Colleges of Medicine, Dentistry, Public Health, Allied Health, Nursing and the Graduate College-Health Sciences, in addition to Pharmacy.

Applicants should possess an earned doctorate with peer recognition as an accomplished scientist and educator in the area of toxicology. A successful candidate will be expected to provide leadership to other faculty and students and support research and graduate education programs within the College of Pharmacy. Faculty appointment will be at the full professor level and opportunities exist for joint appointments in other colleges. Review of candidates will begin on 1 January 1992 and will continue until the position is filled. Send curriculum vitae, a description of research and teaching accomplishments, and the names of three references to: J. Thomas Pento, Ph.D., Chairman Endowed Search Committee, OU College of Pharmacy, P.O. Box 26901, Oklahoma City, OK 73190

The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer. Applications from women and minorities are encouraged.

The University of California, Irvine (UCI), College of Medicine, is seeking a candidate for a tenured position as PROFESSOR and CHAIR of the Department of Psychiatry and Human Behavior. The candidate must be an accomplished investigator, clinician, teacher and administrator of high national standing. Send curriculum vitae plus names and address of three references to: Edward G. Jones, M.D., Chair of the Search Committee, c/o Janet Nash, College of Medicine, Room 118, Med Surge 1, University of California, Irvine, Irvine, CA 92717. UCI is an Affirmative Action/Equal Opportunity Employer.

DEPUTY HEAD OF BIOLOGICALS
Experienced candidates (M.S., Ph.D. or equivalent) with current or recent research in immunology and/or 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 antibody development and/or tissue culture serology are required and some experience in virology is desirable. This position offers a good starting salary and excellent benefits. Submit letter of application, curriculum vitae and the names and addresses of three references to: Box 12, SCIENCE Classified Advertising, 1333 E Street, NW, Room 940, Washington, DC 20005.

DEAN
COLLEGE OF MEDICINE
UNIVERSITY OF SOUTH ALABAMA
Applications and nominations are invited for the position of Dean of the College of Medicine and Vice President for Health Affairs, University of South Alabama. A comprehensive institution of public higher education, the University is organized into the following divisions: College of Arts and Sciences, College of Business and Management Studies, College of Education, College of Frontier Nursing, College of Medicine, College of Allied Health Professionals, a School of Continuing Education and Special Programs, a Graduate School, and a Division of Computer and Information Sciences.

The University of South Alabama, located in Mobile, Alabama, is in the state's second largest metropolitan area, with a population of 350,000. Mobile is 30 miles from Alabama's beautiful Gulf Coast. The College of Medicine opened in 1971. A Ph.D. program in academic administrative experience is required. Effective working relationships with a diverse faculty, student body and staff, a commitment to a strong working relationship with the private sector and public schools (K-12). The Division is the primary medical education and research service mission of the school. Review of applications will begin on 30 November 1991. Submit a letter of intent, résumé, and three letters of reference to: Dr. Richard Palmer, Chair, SM School's Search Committee, CSU, Dominguez Hills, Carson, CA 90747, Attn: Equal Opportunity/Affirmative Action, Section 504/Title IX Employer.

PROJECT LEADER
Ph.D. in forestry resources or closely related forestry field and 1 year's experience in management and analysis of forest research data. Will also accept applicants who have completed all course work for Ph.D., defended dissertation and passed comprehensive written exam. Ph.D. research must involve modeling genetic effects in a forest growth and yield system for southern pines. Also required advanced academic background in statistical ability to program in FORTRAN and SAS (Statistical Analysis System). Coordinate research activities, including advanced statistical analysis and the development and computerized forest growth simulation models that reflect the impact of the company's extensive genetic and silvicultural activities. May handle and analyze data using SAS. Use SAS to explore relationships between tree growth response and varying genetic material site preparation techniques. Provide expertise in experimental design and statistical analysis. Develop and integrate mathematical equations into a FORTRAN model of tree growth. Write, review and publish professional quality documents. Knowledge of components of forest growth model and provide related training and technical support. Forty hours per week. Salary range: $25,000-$36,000. Applicants must have a degree in the College of Sciences. Apply in person or with resume to: Georgia Department of Labor, Job Order # GA 5509578, 310 South Scott Street, Douglasville, GA 31017, or to the nearest Georgia Job Service Center.
RESEARCH INSTITUTE POSITION

Staff Scientist (Toronto)

The Division of Cell Biology is seeking a Staff Scientist with research interests in Cellular and Molecular Biology. Applicants should have post-doctoral experience in one of the following areas:

- Cell surface receptors/growth factors/hormones
- Signal transduction mechanisms
- Ion or non-electrolyte transport
- Membrane biosynthesis and dynamics

The successful candidate will be expected to conduct a vigorous, independent research program and to contribute to teaching at the University of Toronto.

Appointments will be at a rank equivalent to Assistant or Associate Professor. Send curriculum vitae, a brief description of research interests and the names and addresses of three referees to: Dr. Sergio Grinstein, Division of Cell Biology, The Hospital For Sick Children, 555 University Avenue, Toronto, Ontario, Canada M5G 1X8.

THE HOSPITAL FOR SICK CHILDREN

DIRECTOR
Hispanic American Studies

Cornell University seeks a director for its recently established Hispanic American Studies Program. The Director is expected to provide academic and administrative leadership for a university-wide interdisciplinary program of teaching and research that focuses upon the histories, cultures, and experiences of Hispanic peoples in the United States. Candidates for the position should be individuals with broad intellectual and scholarly interests that include contributions to Hispanic American Studies in the sciences or humanities; a Ph.D. (or equivalent terminal degree) in an appropriate field, with a strong teaching and publication record that would be appropriate for a tenured appointment in an academic department; and a sound commitment to teaching research. The Director is expected to work with faculty in several departments and with administrators from across the campus to develop greater emphasis on Hispanic American issues in the curriculum.

Nominations and applications should be sent to: Dr. Cuthberto Garza, Chair, Search Committee, Cornell University, 127 Savage Hall, Ithaca, NY 14853.

RESEARCH ASSOCIATE

Monday through Friday: 8:30 a.m. to 5:00 p.m.; $28,063 annually. Required is a Ph.D. degree in Materials Science; as part of overall degree work one (1) course each must have been completed in Digital Systems Fundamentals and Electronics. Applicant must have one (1) year of related experience as a Research Assistant. Related experience must include high-temperature mechanical testing (deformation) of ceramic materials via automated interface and control laboratory apparatus and in micro-structural characterization in the study of thermodynamics and kinetics of solid-state reactions. Position requires routine use of high-resolution transmission electron microscopy, high-resolution analytical electron microscopy, scanning electron microscopes, and Rutherford backscattering spectrometry. Conducts fundamental research on physical properties of ceramic matrix composites for high temperature applications and light weight high strength applications utilized in the military and aerospace industries. Research activities include designing instrumentation for high temperature and ambient temperature mechanical testing of ceramic matrix composites by constructing automated interface to control experiment apparatus and record data. Independently carries out mechanical testing and complex engineering experiments; models mechanical behaviors; and evaluates thermodynamics and kinetics of solid-state reactions occurring at the fiber-matrix interface. Characterizes chemical composition of interfaces. Analyzes microstructure of composites via material characterization techniques which include high resolution transmission electron microscopy, high-resolution analytical electron microscopy, and Rutherford back scattering spectrometry. Evaluates findings to develop new composites, applications, products, equipment or processes. Functions as on-site resource for other research group members in resolving their difficulties associated with building instrumentation and creating computer programs to interface laboratory apparatus with mechanical testing of experimental materials. Prepares technical reports for use by scientists and engineers in related disciplines.

Interested applicants submit resumes to: Mr. Lawrence Cheetham #1-215 MDJT Room 124 390 North Robert Street St. Paul, Minnesota 55101 Employer Paid Ad
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In the highly-visible role of Medical Technology Consultant you'll have the opportunity to broaden your knowledge base as you formally evaluate the safety, effectiveness and cost-effectiveness of procedures, devices and drugs used in medical practices and contribute to the development of coverage and clinical policies.

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We have opportunities at all levels for scientists interested in developing a career in skin bioscience or skin product science. Candidates at more senior levels should have a proven track record of relevant innovative research.

For the right candidate, our skin science center presents a truly extraordinary opportunity to make an important contribution in a world-class setting. To learn more about specific opportunities, forward your resume in strict confidence to: Mr. James R. Conti, Manager, Employee Relations, Dept. 1025S, Unilever Research, U.S., 45 River Road, Edgewater, NJ 07020. An equal opportunity employer.

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**Neurobehavioral Teratologist**

The Drug Safety Department of Pfizer Central Research Laboratories is seeking a Research Scientist to conduct developmental neurotoxicity studies within its Teratology/ Reproductive Toxicology unit. Candidates should possess a Doctorate or equivalent degree in Pharmacology, Toxicology, Reproductive Biology or related field. Experience in analyzing effects of drugs or other chemicals on neurobehavioral development and reproductive performance is also required. Excellent oral and written communication skills are essential.

Responsibilities include study design, supervision of performance, data analysis, and interpretation and preparation of reports for submission to national regulatory agencies.

We offer a competitive salary and benefits, including a generous relocation package. Our expanding state-of-the-art facilities, located on the beautiful Connecticut shore, offer a collegial, team-oriented work environment. Qualified applicants may send resumes to: Sonia R. Banks, Personnel Associate, Employee Resources, Pfizer Inc., Central Research Division, Eastern Point Road, Groton, CT 06340. An equal opportunity employer.

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**Fellowship Programs**

**United States–Israel**

BARD, The United States–Israel Agricultural R&D Fund, announces two Fellowship Programs promoting cooperative agricultural research.

The first program (Postdoctoral Fellowship), established in 1985, is between postdoctorate fellows from the United States and scientists from Israel and vice versa. Grant applicants should be citizens of either the U.S. or Israel, and should have fulfilled the requirements for a Ph.D. degree within the last three years (postdoctorates). The duration of each Postdoctoral Fellowship is one year. Under certain conditions, a one year extension will be considered.

The Postdoctoral Fellowship grant will be paid directly to the grantee. Each grantee will be awarded a grant of $25,000, to cover travel expenses and living during the first year. If necessary, a small allowance, not to exceed $3,000, will be paid to the host institution to cover operating expenses for the proposed research.

The second program, (Research Fellowship) has been incorporated into the Program since 1990. U.S. citizens who are established research scientists in American non-profit research institutions, universities or federal and state agencies are eligible to become Research Fellows. Research Fellows will be funded for a period of 4 to 12 months with a grant of $25,000 (on a 12 month basis) to cover travel and modest living expenses.

Applications should reach BARD's Offices by January 1, 1992. For information on application procedures please contact BARD offices at either:

**BARD**

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**Unilever**

Unilever Research, U.S.
UNIVERSITY OF MINNESOTA DEPARTMENT OF BIOCHEMISTRY

MOLECULAR BIOLOGIST

ASSISTANT PROFESSOR — The Department of Biochemistry, University of Minnesota, St. Paul invites applications for a tenure-track position at the assistant professor level. We are particularly interested in recruiting a molecular biologist studying mechanisms of genetic, cellular or metabolic regulation, preferably in a eukaryotic system; however outstanding candidates in other areas will also be considered. Successful applicants will be expected to establish a vigorous research program, advise graduate students and participate in undergraduate and graduate teaching. Applicants must submit a curriculum vitae, representative reprints, a brief outline of research plans and three letters of reference. Full consideration will be given to complete applications received no later than December 13 to: Search Committee, Department of Biochemistry, University of Minnesota, 1479 Gortner Avenue, St. Paul, MN 55108. The University of Minnesota is an Equal Opportunity Educator and Employer.

UNIVERSITY OF MINNESOTA

POSITIONS OPEN

COLUMBIA UNIVERSITY

COLLEGE OF PHYSICIANS AND SURGEONS
DEPARTMENT OF BIOCHEMISTRY AND BIOPHYSICS

The department is continuing to hire several new FACULTY MEMBERS. Both tenured and tenure-track positions are available to outstanding candidates.

Applications are invited from candidates with the Ph.D. degree or equivalent appropriate postdoctoral experience for positions in biochemistry and molecular biophysics. In the area of biochemistry we are seeking persons with research interests in several disciplines including developmental biology, neurobiology, and regulation of gene expression. We are particularly interested in persons whose research in these areas focus on metabolic regulation. In molecular biophysics, the areas of particular interest are three-dimensional structural analysis, protein folding, and RNA conformation. We are also interested in persons studying enzyme mechanisms and protein-protein interactions.

Preference will be given to those people with strong records of research accomplishments. Interested candidates should submit curriculum vitae, bibliography, reprints, summary of current and future research goals as well as names of three references. The department is especially interested in women and minority candidates. All applications should be addressed to: Chairman, Department of Biochemistry and Biophysics, Columbia University, Health Sciences, 630 West 168th Street, New York, NY 10032.

Columbia University is an Equal Opportunity/Affirmative Action Employer.

BIOLOGY POSITION. The Department of Biology at Agnes Scott College has a tenure-track position starting August 1992, for a vertebrate physiologist who will also teach animal behavior, vertebrate biology and related courses. Commitments to excellence in teaching and an active research program in which undergraduates can participate are expected. Ph.D. required. Send curriculum vitae, transcripts, statements of teaching philosophy and of research interests and needs, and names, addresses and telephone numbers of three references to: Dr. John F. Filger, Department of Biology, Agnes Scott College, Decatur, GA 30030-3779. To ensure full consideration, applications should be received by 25 November 1991.

Agnes Scott is a private undergraduate, liberal arts college for women located in metropolitan Atlanta, Georgia. Minorities are strongly encouraged to apply. An Equal Opportunity Employer.

POSITION AVAILABLE. To study the effects of vascular endothelial factors on renal proximal tubular transport and intracellular messages. Experience in renal physiology preferred. Competitive salary. Send curriculum vitae and letters of reference to: Dr. Donald J. Marh, Department of Physiology and Biophysics, University of Southern California (USC) School of Medicine, 1353 San Pablo Street, Los Angeles, CA 90033. USC is an Affirmative Action/Equal Opportunity Employer.

TENURE-TRACK FACULTY POSITION

DIVISION OF CLINICAL RESEARCH

DEPARTMENT OF MEDICINE

The Division of Clinical Research, Department of Medicine, Texas College of Osteopathic Medicine (TCOM), invites applications or nominations for a tenure-track faculty position. Applicants must have an established research program with a record of extramural research funding. Preference will be given to those with a history of clinical research collaborations and who have a strong desire to build interdisciplinary research programs with clinical faculty. A Ph.D. in pharmacology, biochemistry, immunology or related area and/or D.O. or M.D. plus appropriate postdoctoral research experience is required. Colombia background and salary are dependent upon experience and qualifications. Applicants should send curriculum vitae, list of publications, a brief description of current and future research directions, and three letters of reference to: Dr. Elaine L. Jacobson, Department of Medicine, 2500 Camp Bowie Boulevard, Fort Worth, TX 76107. The Texas College of Osteopathic Medicine is an Affirmative Action/Equal Opportunity Employer.

UNIVERSITY OF MINNESOTA

POSITIONS OPEN

DEPARTMENT OF ANATOMY

UNIVERSITY OF ARIZONA

Applications are invited for two tenure-eligible FACULTY POSITIONS in the Department of Anatomy. We prefer candidates at the associate professor level, but more senior appointments may be made for exceptional individuals. Outstanding applicants in all current faculty research areas will be considered especially those that complement the diverse existing strengths in the department (cellular and molecular biology, developmental biology, neurobiology, imaging). Candidates should have a Ph.D., or equivalent postdoctoral experience with demonstrated ability in research. Successful candidates are expected to develop and/or maintain vigorous, independently funded research programs and to teach medical and graduate students. Candidates who can participate in a team-taught medical gross anatomy course will be given preference.

PHARMACOKINETICS/BIOPHARMACEUTICS. Applications are invited for a 12-month tenure-leading FACULTY POSITION in pharmacokinetics/biopharmaceutics. Responsibilities are to develop a fundable, independent research program and participate in professional and graduate education. The College of Pharmacy is located on the University of Nebraska Medical Center campus, the Medical Center at Omaha. The College of Pharmacy is an Equal Employment Opportunity/Disabled veterans/affirmative action employer. Applicants should be at the level of an Associate Professor or above with a Ph.D. or an equivalent degree. Affirmative Action/Equal Opportunity Employer.

EVOLUTIONARY BIOLOGY

INDIANA UNIVERSITY, BLOOMINGTON

The Department of Biology and the Program in Evolution, Ecology, and Behavior seek to recruit a new FACULTY MEMBER at the junior or senior level in the broadly area of evolutionary biology. Candidates’ research should focus on evolutionary questions in areas such as ecology, physiology, phylogenetics, and/or theory. The successful candidate should demonstrate ability as a creative scientist and will be expected to conduct a vigorous, independent, externally funded research program and contribute to teaching at undergraduate and graduate levels. Applications from women and minorities are strongly encouraged. Junior candidates should send curriculum vitae, brief description of research interests, and arrange to have three letters sent to: Evolution Search Committee, Department of Biology, Indiana University, Bloomington, IN 47405. Senior candidates should send a letter of interest and curriculum vitae. Applications received before 15 December 1991 will be assured of full consideration. Indiana University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION AVAILABLE IMMEDIATELY. Scientific experience in biochemistry, biologic organic chemistry, cell biology or molecular biology to study DNA damage and DNA repair. Stipends funded by training grant from the National Cancer Institute. Send curriculum vitae to: Dr. Nahum J. Duker, Department of Pathology, Temple University School of Medicine, 3400 N Broad Street, Philadelphia, PA 19140. Telephone: 215-221-3258 or FAX: 215-221-2781. Temple University is an Equal Opportunity/Affirmative Action Employer.
We’re Miles, Ahead Of The Game.

At Miles Research Center in New Haven, CT, you’ll be working in the Institute for Molecular Biologicals conducting innovative biomedical research. At the expanding Research Center of an international pharmaceutical leader, we offer scientific challenges and opportunities for individual growth. Play your part in the advancement of therapeutic medicine in one of the following positions:

**SENIOR RESEARCH SCIENTIST**

**Transgenic Animal Models**
There is a position open in the Transgenic Animals Group, whose focus is the development of animal models of human disease (Science 253, 323). We are seeking an individual with 2-3 years’ postdoctoral experience in the areas of cell and molecular biology and transgenic animal/stem cell technology. The successful candidate will join a research group that is highly interactive and with diverse project goals in the areas of human metabolic, cardiovascular, immunological and neurogenerative diseases. You will work with other pharmaceuticals research scientists at the Miles Research Center in the design of new animal models for targeted disease indications, and will lead the research efforts in generating and characterizing such transgenic animals.

**TECHNICIANS**

**Transgenic Animal Models**
This is a research position in transgenic animal technology. Laboratory experience in recombinant DNA technology and gene expression analysis is required. Basic knowledge of cell biology and/or animal handling is highly desirable. MS degree or 5-10 years’ professional experience.

**Protein Chemistry**
We are seeking a scientist to perform amino acid analysis, protein sequencing and related functions in the protein chemistry facility. BS degree in biology/biochemistry with two years of laboratory experience required. Experience with instrumentation and computers is desirable.

**Protein Biochemistry**
Positions available for BS and MS level scientists with a minimum of 2-3 years’ laboratory experience in enzymology and protein purification and characterization. You will contribute to ongoing projects involving natural and recombinant biologicals. Experience in conventional chromatography methods, HPLC, electrophoresis and enzyme assays is desirable.

These positions offer attractive compensation commensurate with qualifications, generous benefits, and an excellent opportunity for personal growth and professional satisfaction. Resumes including salary history should be forwarded in confidence to: Department CEC, Miles Inc., Research Center, 400 Morgan Lane, West Haven, CT 06516.

An Equal Opportunity Employer M/F/H/V

The World Health Organization (WHO) is an inter-governmental agency internationally recognized for its integrity and lasting achievements. Guided by humanitarian concerns. WHO works to direct and coordinate global and national efforts to improve the health of peoples throughout the world. To meet its objectives, WHO depends on staff members with special qualities of leadership, dedication and commitment.

The UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases (TDR) is a globally coordinated effort to bring the resources of modern science to bear upon the control of major tropical diseases and to strengthen the research capability of endemic, developing countries where new disease control technologies are most needed. To meet its objectives, TDR has recruited into its global network scientists of the highest calibre to participate in this international research effort.

**TDR**

Secretary of the Steering Committee on Immunology of Malaria

**Tropical Diseases Research Programme**

WHO

Geneva, Switzerland

TDR supports research on the immunology of malaria and promotes the development and coordination of research on malaria vaccines. The Steering Committee on the Immunology of Malaria sets priorities for activities in this area, reviews relevant research proposals and monitors progress. The Secretary works in close liaison with the Steering Committee.

The specific responsibilities of the Steering Committee Secretary include:

- planning and managing the activities of the immunology of malaria component of TDR
- promoting research on the immunology of malaria
- promoting international coordination of malaria vaccine development
- providing information to other WHO programmes, review and governing bodies, and to health authorities
- assisting in other TDR activities, particularly strengthening research capabilities in developing countries
- participating activities of the WHO Malaria Control Unit, acting as focal point for immunology of malaria.

Applicants should have considerable post-doctoral experience in research on immunology and/or vaccine development. Experience in malaria research and international research management are additional assets. Required qualifications are a doctoral degree in biomedical science or a medical degree with a post-graduate qualification in a relevant discipline; excellent knowledge of English or French with a good working knowledge of the other. The post requires ability to relate effectively to scientific investigators and health authorities.

Please send your detailed curriculum vitae and letter of application, together with a recent photograph, within three weeks of publication of this notice, to Personnel (MPR), Avenue Appia, CH-1211 Geneva 27, quoting PER/MPR and the name of the journal in which this announcement appeared. Applications from women are encouraged. Only candidates under serious consideration will be contacted.
DEPARTMENT OF BIOCHEMISTRY

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

The HKUST is a new publicly funded research University. The first intake of students will be in October 1991 at both undergraduate and postgraduate levels including the doctoral. Enrollment is expected to grow to 7,000 FTE by 1996-97. The medium of instruction is English. Applications are invited for the positions of Professor, Reader, Senior Lecturer and Lecturer. The Department places strong emphasis on excellence in both research and teaching. Initial efforts will be focused in a few key areas including molecular biology, biochemical pharmacology, immunology and plant biochemistry. Applicants should have a PhD degree in the relevant fields, preferably with postdoctoral research experience.

Generous benefits include medical and dental benefits, annual leave plus children's educational allowance, air passages and housing benefits where applicable. Initial appointments will generally be for three years, renewable subject to mutual agreement. Approved sabbatical leave will be full salary.

Send applications/nominations with a complete CV plus the names and addresses of at least three referees to: Director of Personnel, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong. Fax: (852) 358-0700.

Research Scientists - Gene Therapy

Genetic Therapy, Inc. has been involved, through its collaborators at the National Institutes of Health and at other major research institutes, in the first clinical testing of retroviral-mediated gene transfer and therapy. As a consequence of an expansion to broaden its research activities, GTI has immediate positions for research scientists at all levels. Research scientists, with a Ph.D. or M.D. qualification, and training or expertise in retrovirology, molecular biology, gene cloning and expression, lymphokine biology, immunology or human genetics are encouraged to apply. Positions are available at post-doctoral, research scientist and group leader levels. There is also a position available, preferably at the post-doctoral level, for a researcher with training and experience in adenovirus or other DNA virus research. GTI offers a stimulating work environment and competitive salaries and conditions. Applicants should send their resumes, and the names and addresses of 2 references to:

Genetic Therapy, Inc.
Human Resources - RS
19 Firstfield Road
Gaithersburg, MD 20878

GTI is an equal opportunity employer.

POSITIONS OPEN

RESEARCH FACULTY POSITION

TASTE/Olfaction

Individuals who utilize molecular neurobiological/neurophysiological technique in the study of taste or olfaction are invited to join Hannington Biomedical Research Center (PBRC). Generous facilities to house and equip the research program are available along with opportunities for joint collaboration with faculty within the center and at Louisiana State University (LSU). Applicants should submit curriculum vitae, statement of research interests and names and addresses of three references by 30 December 1991, to: Taste/Olfaction Scientist, Human Resource Management, Pennington Biomedical Research Center, 6400 Perkins Road, Baton Rouge, LA 70808. PBRC is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL SCHOLAR POSITION

Penn State. Postdoctoral Scholar Position available immediately to study the mechanisms by which growth hormone (GH) antagonizes the mitogenic insulin signal pathways in adipocytes. Research efforts will be directed at elucidating the point(s) at which GH impairs the ability of insulin to stimulate glucose transport and lipid synthesis. Funding is available for a 3-year appointment; first-year salary is $25,000. A research background in biochemistry or molecular biology is desired. Send letter of application with vitae and telephone numbers of three references, by 29 November 1991, to: Dr. Terry D. Esherton, Department of Dairy and Animal Science, Pennsylvania State University, 301 W. L. Henning Building, University Park, PA 16802. An Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION

Available immediately to study molecular mechanisms of cytokine-induced injury to pulmonary endothelial cells. Study includes phospholipid synthesis, phospholipase estimation, signal transduction pathways, protein tyrosine kinase and molecular analysis; hybridization analysis (Northern, Southern, etc.). Experience in cell biology, biochemistry, and/or molecular biology is required. Please send curriculum vitae with names and telephone numbers of three references to: Dr. J. M. Patel, Division of Pulmonary Medicine, Health Center Box J-225, University of Florida, Gainesville, FL 32610. Telephone: 904-592-0864.

POSTDOCTORAL GENOME ANALYSIS

Several positions available for molecular genetics studies of the human genome and applications of in vitro gene cloning. Experience in gene mapping and cloning is desirable, but are not limited to, human telomere characterization, index marker genetic linkage map construction, YAC chromosome walking, and in selected genome regions. Send letter of interest and curriculum vitae to:

Dr. Helen Donis-Keller, Professor of Genetics
Department of Genetics
Washington University School of Medicine
660 South Euclid, Box 8232
St. Louis, MO 63108

Washington University School of Medicine is an Equal Opportunity Employer.

POSTDOCTORAL POSITION

Available immediately to study the cell biology and transport physiology of the Bacteriorhodopsin gene product in intact epithelial cells, using probes of cytoskeletal structure and digital fluorescence imaging. Salary commensurate with experience. Candidates should send curriculum vitae and the names of three references to: Dr. Cynthia Weikel, Johns Hopkins University, Department of Medicine, Hueston 509, 725 North Wolfe Street, Baltimore, MD 21205 or FAX: 301-955-9677.

Loveland Medical Foundation has POSTDOCTORAL POSITION available for 2 to 3 years beginning immediately to examine the cellular, biochemical, and molecular aspects of autocrine activity. Goal: to determine the interaction between T- and B-cells at the molecular level. Background in molecular biology and glycoprotein purification desirable. Send curriculum vitae to: Jane W. Coalition, Lovelace Medical Foundation, 2425 Ridgecrest Drive S.B., Albuquerque, NM 87108. Affirmative Action Employer, M/F/V/H.

POSITIONS OPEN

TWO POSTDOCTORAL POSITIONS

UT MEDICAL GROUP, INC. (UTMG)
AFFILIATED WITH THE UT DEPARTMENT OF OBSTETRICS/GYNECOLOGY

UNIVERSITY OF TENNESSEE, MEMPHIS

MOLECULAR GENETICS RESEARCH LABORATORY

The molecular genetics research laboratory within the division of reproductive sciences is seeking applications for two 5-year postdoctoral research fellow positions. The successful candidates will join a small dynamic team studying the molecular biology of the sex-reversed (bar) region of the mouse Y chromosome. Research projects include (1) the cloning and functional analysis of the spermatogenesis gene Spy, (2) cloning and analysis of Fya, the gene controlling the expression of the male specific minor histocompatibility antigen H-Y, and (3) the production of a complete structural map of the entire region in order to enter new years. Preference is given to candidates leading to the identification of new Y-linked genes. Applicants must have a Ph.D. and be experienced in molecular genetics. Experience in cell culture and mouse genetics would be an advantage. In addition, applicants should be capable of thinking and working independently. Working conditions are excellent in new well-equipped laboratories. UTMG offers competitive salaries. Informal inquiries may be made to: Dr. Collin B. Bishop—telephone: 901-528-7285/7174 or FAX: 901-577-8476. Interested applicants should send detailed statements of research interests and experiences, and the names of three referees to: Dr. C. E. Bishop, UT Medical Group Inc., Employment Office, 156 North Pine Street, Memphis, TN 38103-3102.

UT Medical Group Inc. is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

The U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), U.S. Plant, Soil and Nutrition Laboratory, New York, N.Y., is seeking a research microbiologist/biochemist/nutritionist/cell biologist to study iron transport across intestinal cell membranes; develop molecular tools of polarized intestinal epithelial cells and utilize bicameral chambers and modern electrophysiology techniques to study regulation of iron absorption by enterocytes. Preference is given to candidates with experience in iron transport, intestinal absorption, membrane transport, cell biology, or electrophysiology. Applicants must possess Ph.D. in related field. Salary commensurate with experience (up to $36,274 per year). Send curriculum vitae and three references to: Darrell VanCampen, USDA—ARS—Plant, Soil and Nutrition Laboratory, Tower 383, Building 383, 620 N. Main Street, Ithaca, NY 14853. Telephone: 607-265-8002; FAX: 607-255-2459. Applications must be marked 2N002. Equal Opportunity Employer.

POSTDOCTORAL POSITION

Available in a multidisciplinary research group studying regulation of pulmonary adrenergic receptor gene expression. Areas of investigation include identification and characterization of c-fos and c-fos like elements involved in cell-specific adrenergic receptor gene expression during lung development and drug intervention. Prior experience in molecular biology is desirable. Salary is competitive and commensurate with experience. Send curriculum vitae and names of three references to: F. Charles Miller, M.D., Chief, or Lawrence E. Cornett, Ph.D., Division of Pulmonary and Critical Care Medicine, Veterans Administration Medical Center, Slot #555, University of Arkansas for Medical Sciences, 4301 West Markham Street, Little Rock, AR. 72205. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION IN MOLECULAR AND CELLULAR BIOLOGY

A postdoctoral position is available to study the role of serine/threonine-specific protein phosphorylation, control and neoplastic transformation by DNA tumor viruses. Applicants should have experience in cell and molecular biology. Please send curriculum vitae, a brief description of research experience, and the names and addresses of three references to:

Dr. Gernot Walter
Department of Pathology
9500 Gilman Drive
La Jolla, CA 92030-0612

University of California, San Diego

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POSTDOCTORAL POSITIONS IN CANCER RESEARCH are available to study the functions of cytochromes P-450 and molecular mechanisms of carcinogenesis. Candidates with strong background in molecular and cell biology, molecular oncogenesis, bio- genetic mechanisms, or protein isolation and characterization are encouraged to apply. Outstanding candidates may be appointed as Research Associate or Assistant Research Professor. Send curriculum vitae, summary of research experience, and names of three references to: Dr. Chung S. Yang, Professor, Laboratory for Cancer Research, College of Pharmacy, Rutgers University, Piscataway, NJ 08855-0789. Rutgers University is an Equal Opportunity Employer.

POSTDOCTORAL POSITION IN DEVELOPMENTAL NEUROBIOLOGY involves the morphological and biochemical analysis of cerebellar and brainstem development in normal mice and mice with mutations characterized by abnormal cerebellar development. Position available immediately. Please submit curriculum vitae and names of three references to: L. M. Eisenman, Ph.D., Department of Anatomy, Thomas Jefferson University, Philadelphia, PA 19107. Equal Opportunity Employer.

POSTDOCTORAL POSITION in DEVELOPMENTAL NEUROBIOLOGY Research involves the morphological and biochemical analysis of cerebellar and brainstem development in normal mice and mice with mutations characterized by abnormal cerebellar development. Position available immediately. Please submit curriculum vitae and names of three references to: Dr. Jay W. Fox, Department of Microbiology, University of Virginia, Charlottesville, VA 22908.

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

MOLECULAR NEUROBIOLOGY POSITIONS FOR SENIOR, STAFF AND FOREIGN FELLOWS NATIONAL INSTITUTE FOR DRUG ABUSE (NIDA)

The Laboratory of Molecular Neurobiology, NIDA/Ad- diction Research Center wishes to enhance efforts in: (1) Cloning drug and neurotransmitter receptors with special emphasis on transporter genes, (2) characterizing expression of these genes in transgenic mice, (3) understanding mechanisms of neurotransmitter gene regulation in cell culture and brain, and (4) RFLP association and linkage studies in human population. Salary and benefits are competitive. Applicants with expertise and interests in molecular biology, molecular genetics, me- teric techniques, Xenopus expression systems, bio- chemical and genetic characterization in transgenic animals are encouraged to apply to:

George R. Uhl, M.D., Ph.D.
Laboratory of Molecular Neurobiology
Box 5180
Baltimore, MD 21224

The NIDA is an Equal Opportunity/Affirmative Action Employer, M/F/H/V. ADAMHA is smoke-free.

POSTDOCTORAL POSITIONS SAN DIEGO

Two positions available immediately: (1) To study the structure and function of vesicular stomatitis and measles virus polymerase complexes and regulation of their activity by host- and/or viral protein kinases. Experience in site-directed mutagenesis and protein phosphorylation studies required; and (2) to study the function of peroxisomal proteins in lipid (cholesterol) metabolism. Projects include isolation/cloning of these proteins. Experience in recombinant DNA techniques required. Salaries are based on NIH scale and include excellent benefits. Please send curriculum vitae and names of references to: Dr. J. Perrault (first position), or Dr. S. Kri- san (second position), Molecular Biology In- stitute, San Diego State University, San Diego, CA 92182. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION. Available immediately for a biochemist, cell biologist, or organic chemist interested in the study of molecular mechanisms of drug resistance in cancer cells using NMR spectroscopy and fluorescence microscopy. Send curriculum vitae to: Dr. Michael Gamesik or Dr. Michael Colvin, The Johns Hopkins University School of Medicine, 310 Traylor Building, 720 Rutland Avenue, Baltimore, MD 21205-2195.
POSITIONS OPEN

A POSTDOCTORAL POSITION is available for a biochemist/molecular cell biologist to study the targeting and import of precursor proteins into mitochondria using the yeast S. cerevisiae as a model system. Areas of investigation include analysis of cytosolic factors involved in mitochondrial biogenesis, determining how this process is integrated with other cellular phenomena including protein synthesis, cell division and growth, and analyzing the effect of various drugs on protein import. The position will be available on 1 November 1991. Send curriculum vitae and names of three references to: Dr. Keith Verner, Department of Cellular and Molecular Physiology, Pennsylvania State University College of Medicine, Hershey, PA 17033. Pennsylvania State University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSITIONS OPEN IN MASS SPECTROMETRY available immediately for the study of metal binding interactions with biomolecules. Chemists with a combination of experience in tandem mass spectrometry, electrospray ionization, and inorganic or organic chemistry preferred. Send resume and three letters of recommendation to: Dr. Jeannette Adams, Department of Chemistry, Emory University, Atlanta, GA 30322. Emory is an Affirmative Action/Equal Opportunity Employer.

POSITIONAL POSTDOCTORAL POSITION. To work, in collaboration with the Ohio DNBR, on a long-term community-based research effort in Lake Erie. Biological background, computer expertise, and data handling of large-scale research material preferred. Send curriculum vitae and the names of three references to: Dr. Roy A. Stein, Aquatic Ecology Laboratory, 1314 Kinnear Road, The Ohio State University, Columbus, OH 43212. The Ohio State University is an Affirmative Action/Equal Opportunity Employer.

POSITIONAL POSTDOCTORAL POSITIONS for recent Ph.D.'s to participate in an active research program on the structure, regulation and expression of human DNA repair and damage enzymes. Current research efforts focus on the molecular defects which underlie cancer-prone human genetic disorders and structural analysis of multifunctional repair enzymes by site-specific mutagenesis. Submit curriculum vitae and the names of three references to: Dr. Michael A. Sirotov, Fels Institute for Cancer Research and Molecular Biology, Temple University School of Medicine, 3420 North Broad Street, Philadelphia, PA 19140. Equal Opportunity/Affirmative Action Employer.

POSITIONAL FELLOW. Immediate opening for structure-function studies of coagulation factor VIII. Ph.D. with experience in molecular biology techniques used in isolation of recombinant proteins as well as protein purification and biochemical analysis. Salary up to $33,000 depending on experience, for 2- to 3-year position. Submit curriculum vitae with list of publications to: Dr. Dorothea Scandella, American Red Cross, 15601 Crabbs Branch Way, Rockville, MD 20855. Equal Opportunity Employer, M/F/H/V.

POSITIONAL FELLOWSHIPS FOR TRAINING IN IMMUNOLOGY AND VIROLOGY at the University of Massachusetts Medical Center. Cellular immunology: Robert E. Humphreys, M.D., Ph.D.; Lawrence Jung, M.D.; Carol L. Miller, Ph.D.; David R. Pauly, Ph.D.; Paul L. Romanoski, Ph.D.; Robert T. Woodland, Ph.D. Viral immunology: Francis A. Ennist, M.D.; John E. Herrmann, Ph.D.; Achi Khourie, M.D.; John A. Marini, M.D.; Takashi Saito, Ph.D.; John V. Sullivan, M.D.; Raymond M. Welsh, Ph.D. Experimental diabetes: Arthur A. Like, M.D.; Aldo A. Rossini, M.D.; Bruce A. Woda, M.D. Molecular virology: John H. Millar, M.D.; Frank O. Trocha, M.D.; Paul D. C. Thakore, M.D.; Carol Mulder, D.Phil.; Ronald M. Iorio, Ph.D.; Harriet L. Robinson, Ph.D. Molecular immunology: John L. Laster, Ph.D.; Newburger, J. W.; Jarek Stavnezer, Ph.D. Candidates interested in joining this active, multidisciplinary, NIH-supported training program should send their curriculum vitae, a letter stating their research interests and the laboratories in which they would be interested in undertaking training, and the names of three references to: Dr. Paul L. Romanoski, M.D., Director, Program in Immunology and Virology, University of Massachusetts Medical Center, Worcester, MA 01655. The University of Massachusetts Medical Center is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION available in research program investigating the immunotherapy and chemotherapy of Mycobacterium tuberculosis and Mycobacterium avium infections in mouse models. Recent Ph.D. in immunology preferred. Send curriculum vitae and names of three references to: Dr. Ian Orme, Department of Microbiology, Colorado State University, Fort Collins CO 80523. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIPS IN THE DEPARTMENT OF ANATOMY AND NEUROBIOLOGY UNIVERSITY OF CALIFORNIA, IRVINE

Several positions for research in individual laboratories in the department are available. Candidates must have demonstrated research promise at the predoctoral or postdoctoral level. The emphasis of research in the department is in the neurosciences with special expertise in neuroanatomy, sensory physiology, and molecular neurobiology. The faculty of the department and their research interests are:

Dr. Robert Blanko: Eye movement control, physiology of upper respiratory tract.
Dr. James Fallon: Chemical neurotransmitters, transmitter and growth factors.
Dr. Charles B. Giacalone: GABAergic and glial anatomy, neurotransmitter, neuronal gene expression.
Dr. Roland Gioli: Viscuomotor system: structure/ function relationship.
Dr. Stewart Hendry: Primate visual system.
Dr. Paul Isackson: Molecular neurobiology, neurotrophic factors.
Dr. Edward Jones: Transmitter regulation in primary cerebral cortex.
Dr. Glenn Kageyama: Oxidative metabolic development in neuropharmacological and anatomical substrates.
Dr. Leonard Kitzes: Auditory system physiology and anatomy.
Dr. W. Ian Lipkin: Neuroviruses, viral vectors.
Dr. Sandra Loughlin: Monamines, peptides and growth factors and their receptors.
Dr. David Mackey: Regulation of ion channels in Drosophila: development of functional thalamic sensory connections.
Dr. Charles Ribak: Epilepsy, neurotransmitters and hippocampal circuits.
Dr. Richard Robertson: Cerebral cortical development.
Dr. Malcolm Semple: Auditory system, binaural interactions.
Dr. Martin Smith: Cellular and molecular aspects of synaptogenesis.
Dr. John Swett: Spinal cord and peripheral nervous system.
Dr. Yasuhiko Torigoe: Peripheral nervous system and oculomotor control.
Applications or inquiries for additional positions may be sent to:
Dr. Edward G. Jones, Professor and Chairman Department of Anatomy and Neurobiology University of California, Irvine Med Sci Bldg II, Room 354 Irvine, CA 92717
An Affirmative Action/Equal Opportunity Employer.

M.D./Ph.D. FELLOWSHIPS

The Medical University of South Carolina offers stipends ($10,000 to $20,000) for studies leading to combined M.D./Ph.D. degrees in each of the basic biomedical sciences and molecular cellular and cellular biology. Contact: Director, Medical Scientist Training Program, College of Graduate Studies, MUSC, 171 Ashley Avenue, Charleston, SC 29425.

POSTDOCTORAL FELLOW. Position available for Ph.D.s to work in a molecular biology laboratory, to study ion channel expression in glial cells and neurons using molecular biological methods. Experience with in situ hybridization and Northern and Southern blotting desired. Highly motivated candidates are encouraged to apply. Collaborators include electrophysiologists, pharmacologists, and neuromorphologists. Send curriculum vitae, statement of interest, and three letters of reference to: Richard Robinson, Ph.D., Department of Neurology, 1717, Yale Medical School, 333 Cedar Street, New Haven, CT 06510. Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE/POSTDOCTORAL FELLOW. Immediate opening at Stanford University. Searching for a Ph.D. who will assist the Director of the Center for Narcolepsy in an NIH-supported research laboratory studying the molecular genetics of narcolepsy, an immune related disorder leading to symptoms of sleepiness and abnormal REM sleep. Goals are to identify new genes and assess their potential role in the pathophysiology of narcolepsy. Involves the use of an animal model of the disorder (autosomal recessive canine narcolepsy), cell culture, basic biochemistry, immunological and molecular biological techniques, and cloning techniques. Send curriculum vitae and references to: Emmanuel Mignot, M.D., Ph.D., Director, Center for Narcolepsy, Sleep Disorders Center, 701 Welch Road, Suite 2226, Palo Alto, CA 94304. Stanford University is an Equal Opportunity Employer through Affirmative Action.

POSTDOCTORAL RESEARCH FELLOWSHIP DEPARTMENT OF PATHOLOGY

The Department of Pathology at Fox Chase Cancer Center seeks applicants for a fellowship in surgical oncology pathology and research in the area of molecular biology. Preference will be given to those interested in genetic studies. Applications for training fellowships for 1992 to 1993 are open to pathologists wishing to be trained in those aspects of cancer diagnosis research. The position entails engagement of 50% of the time in research and 50% in surgical pathology of tumor diagnosis. Fellowships are awarded for 1 year and are subject to second year renewal. Fellowships will, in general, be selected from applications submitted by each postdoctoral research experience related to cancer, or surgical pathology. Deadline for applications is 1 December 1991. For additional information, address: Dr. Margaret A. Churchill, Administrative Assistant, Department of Pathology, Fox Chase Cancer Center. Applications should be submitted to: Jose Russo, M.D., Chairman, Postdoctoral Fellowship Committee for Postdoctoral Fellowship, Department of Pathology, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. We are an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE

Available immediately to study the mechanisms underling the presence of elevated levels of the carcinogen chromium (V11) on gene transcription in cultured cells. Experience in basic molecular biology techniques, cell culture, molecular biology and biochemistry and three letters of reference to: Dr. Karen Wetterhahn, Department of Chemistry, Dartmouth College, Hanover, NH 03755. Applications for a position are due by February 15, 1992. Dartmouth College is an Equal Opportunity/Affirmative Action Employer.

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5 Prime → 3 Prime, Inc., a leader in the development of unique products for research in molecular biology and genetic engineering, is seeking a Senior Scientist for Research and Development.

The position requires a Ph.D. in Molecular Biology or closely related discipline with a minimum of 2 years postdoctoral training. We are seeking a creative, enthusiastic scientist to join an equally creative group of scientists developing advanced systems for genetics, microbiology, molecular immunology, and protein biochemistry.

5 Prime → 3 Prime, Inc. offers excellent professional growth opportunities and a competitive compensation package. The company, located in Boulder, Colorado, is within minutes of the University of Colorado and the magnificent front range of the Rocky Mountains. Boulder offers a matchless quality of life and unlimited opportunity for academic and cultural stimulation.

Send C.V. and 3 professional references to:

Randolph J. Hellwig, Ph.D.
Director, Research & Development
5 Prime → 3 Prime, Inc.
5603 Arapahoe Avenue
Boulder, CO 80303

Hoffmann-La Roche, one of the world’s most progressive pharmaceutical companies, has two exciting opportunities for Senior Scientists to join our Molecular Structure Group and perform research leading to new pharmaceutical agents based on the three-dimensional structures of small molecules and biopolymers.

MOLECULAR MODELER

You will design new drugs based on structural and functional information for organic molecules, carbohydrates, peptides and proteins. Experience in drug design is essential. Please refer to Department LH361VM on resume.

NMR SPECTROSCOPIST

You will determine the structures of proteins and protein-ligand complexes in solution. Experience in acquisition and analysis of multidimensional NMR data on proteins is essential. Please refer to Department LH351VM on resume.

Both Scientists will join established laboratories within their specialties, and will collaborate with Protein Crystallographers and Protein Chemists, as well as with Synthetic Chemists and Biological Scientists. Many projects are based on templates from protein structures including enzymes, effectors and receptors.

Qualifications for both positions include a PhD in Chemistry or a related field, knowledge of protein structure and structure-function relationships, postdoctoral experience and skill in evaluating and implementing new techniques.

In return for your expertise, we offer salaries commensurate with your experience and education, a liberal bonus and benefits package, and significant opportunities to have scientific impact. For confidential consideration, please send your resume, indicating the code for your position of interest and salary history/requirements (those without this information will not be acknowledged), to: Ms. Lynn Harac, Staffing and Employee Services, Hoffmann-La Roche Inc., Nutley, New Jersey 07110. We are an equal opportunity employer.
**NEUROSCIENCE FACULTY POSITIONS**

The newly established Neuroscience Institute of The Chicago Medical School seeks applications for faculty positions at open rank from individuals with a commitment to academic excellence in the areas of research and education. The Institute is dedicated to providing a central focus for medical and graduate programs in neuroscience and will promote University-wide new initiatives in clinical and basic neuroscience research. In addition to contributions by new faculty, the academic environment of the institute is enhanced by over 25 active neuroscientists from other basic and clinical departments housed at our relatively new north suburban campus. All areas of research are of interest to us although some preference will be given to individuals qualified to be Directors of the following named research laboratories: Alzheimer's Disease Research, Parkinson's Disease Research, Developmental Neuroscience, Affective Disorders, Neurotrophic Factors, Molecular Neuroscience, Neurogerontology, Neuroendocrinology, Neurotransmitters and Receptors, and Neural-Immune Modulation. Interested scientists are requested to forward relevant materials to:

John R. Stadek, Ph.D.
Professor of Neuroscience and Director
Neuroscience Institute
University of Health Sciences/
The Chicago Medical School
3333 Green Bay Road
North Chicago, IL 60064

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Staff Scientists

Macromolecular Structure/Function

Utilize your background in macromolecular structural analysis by taking part in projects involving protein structure/function studies. Responsibilities include the structural analysis of recombinant therapeutic proteins under development and the assessment of functionally important domains. This position offers the opportunity for extensive interaction with scientists from other disciplines. To qualify, you must have a proven expertise in protein structural analysis using classical protein chemistry or spectroscopic techniques. Excellent communication skills, a record of scientific leadership and accomplishment, and appropriate postdoctoral or industrial experience in macromolecular structural analysis or function are essential. We encourage candidates with backgrounds in chemistry, biochemistry, structural biology or receptor biology to apply.

Mammalian Cell Culture

Put your experience in tissue culture techniques to work in the multidisciplinary Mammalian Cell Culture Group of our Cell Biology Laboratory. Your primary responsibilities will be developing and characterizing recombinant mammalian cells to enable the understanding of their complex biology. Qualified candidates will have a Ph.D. in Cell Biology/Biochemistry with 1-3 years of postdoctoral experience with the use of techniques which allow the biochemical and immunological characterization of complex heterologous proteins.

Protein Purification

If you have an interest and experience in protein purification, we have an outstanding opportunity in our Process Biochemistry Group. Responsibilities include developing purification processes for recombinant protein therapeutics from initiation of development work through the start of clinical manufacturing, as well as biochemical aspects of the large-scale purification process. Qualified candidates will have a Ph.D., an understanding of purification scale-up and the ability to interact with other functional areas including Cell Culture and Clinical Manufacturing. A desire to explore structure/function relationships and the impact of purification on protein structure is preferred.

Watch for details regarding our Post-Doctoral Fellowship Program in an upcoming issue.

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Please send resume, specifying position of interest, to: Human Resources Department, Genetics Institute, Inc., One Burtt Road, Andover, MA 01810. Genetics Institute is committed to growth through diversity. We are an Affirmative Action Employer.
POSTDOCTORAL RESEARCH ASSOCIATE
Brookhaven National Laboratory, Medical Department, seeks postdoctoral graduate with background in organometallic or coordination chemistry, who involves development of CU-67, SM-153 and AU-199 labeled monoclonal antibodies for radiotherapy. The successful candidate will assist with the synthesis of these antibodies and the labeling to link these chelates to antibodies, perform radiolabeling chemistry, and assist with in vitro and in vivo assays. Experience with protein labeling and characterization using techniques such as HPLC and PAGE is desirable.

The appointment is for 1 year, initially, and is renewable. Interested individuals should send curriculum vitae including publications and references to: L. F. Mauzerall, Medical Department, Brookhaven National Laboratory, Associated Universities, Inc., Upton, Long Island, NY 11973. Telephone: 516-292-4457. Equal Opportunity Employer, M/F/H/V.

POSTDOCTORAL RESEARCH ASSOCIATE
To carry out biomedical research on the study of excitation-contraction coupling in muscle; dissection of muscle fibers; and preparation of experimental solutions; computer programming; and analyzing of experimental data and preparing scientific manuscripts for publication in professional journals. Ph.D. in physiology or physics. Position available immediately. Mon-Fri, 9:00 a.m. to 6:00 p.m. Salary: $25,600 per year. Job site, New Haven, Connecticut. Must have proof of legal authorization to work in the United States. Send references and curriculum vitae to: Richard J. Ulevitch, Ph.D., Department of Immunology, IMM-12 TSRI, 10666 North Torrey Pines Road La Jolla, CA 92037, Telephone: 619-554-8219, FAX: 619-554-6123. TSRI is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE. Position available for Ph.D. to join and aid in the direction of an active hemostasis laboratory. Research studies include assessment of the effects of growth factors and antibodies to growth factor receptors in the murine system. Laboratory space and support available in the new West Pennsylvania Research Foundation Building. Direct inquiries to: Richard K. Shadduck, M.D., Director, Western Pennsylvania Cancer Institute 4800 Friendship Avenue Pittsburgh, PA 15224

RESEARCH ASSOCIATE. Available immediately to participate in the study of chemotherapy induced ovarian follicular loss and its prevention in non-human primates. Applicants should have strong background in reproductive biology, ovarian physiology and histochecmical techniques. Experience with oocytes and embryos is a plus. Ph.D. degree preferred. Please send curriculum vitae to: Dr. K. M. Ataya, Director, Reproductive Endocrinology, Obstetrics/Gynecology, Metro Health Medical Center, Case Western Reserve University, Cleveland, OH 44109.

POSTDOCTORAL RESEARCHERS
The Department of Physiology and Biophysics, University of California, Irvine, is developing a postdoctoral candidate pool for possible openings during the remainder of the 1991 to 1992 fiscal year. Openings may be available in the following research areas: ion channels in lipid bilayers; physical chemistry of membranes; mechanisms and regulations of steroid hormone biosynthesis; exercise physiology; molecular properties of ion channels in vertebrates; and molecular and electrophysiological aspects of lymphocyte activation. Salary is in accordance with current NIH/NSF postdoctoral stipends which range from $19,455 to $23,406 per year, with eligibility for promotion and salary escalations. Relevance postdoctoral experience. Minorities and women are encouraged to apply. Send curriculum vitae and names of three references to: Michael D. Cahalan, Ph.D., Chairman, Department of Physiology and Biophysics, University of California, Irvine, CA 92617. The University of California, Irvine, is an Affirmative Action/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 cytokine regulation, gene transcription and cellular 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 Bellegro, M.D. UCLA School of Medicine Center for Rheumatic Diseases 66-118 CHS 10833 LeConte Avenue Los Angeles, CA 90095-1738 Telephone: 213-206-1434

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(TSRI)
RESEARCH POSITIONS IN RECEPTOR BIOCHEMISTRY AND SIGNAL TRANSDUCTION
Applications for funded positions are invited with appointments at the level of POSTDOCTORAL FELLOW. RESEARCH ASSOCIATE OR JUNIOR FACULTY in the Department of Immunology to study the molecular biology and biochemistry of endocrine receptors in invertebrates. Background is found in Science 249, 1429 (1990) and J. Biol. Chem. 265, 9520 (1990). Position available immediately; send curriculum vitae and references to: Richard J. Ulevitch, Ph.D., Department of Immunology, IMM-12 TSRI, 10666 North Torrey Pines Road La Jolla, CA 92037. Telephone: 619-554-8219, FAX: 619-554-6123. TSRI is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE. Position available for Ph.D. to join and aid in the direction of an active hemostasis laboratory. Research studies include assessment of the effects of growth factors and antibodies to growth factor receptors in the murine system. Laboratory space and support available in the new West Pennsylvania Research Foundation Building. Direct inquiries to: Richard K. Shadduck, M.D., Director, Western Pennsylvania Cancer Institute 4800 Friendship Avenue Pittsburgh, PA 15224

RESEARCH ASSOCIATE. Available immediately to participate in the study of chemotherapy induced ovarian follicular loss and its prevention in non-human primates. Applicants should have strong background in reproductive biology, ovarian physiology and histochecmical techniques. Experience with oocytes and embryos is a plus. Ph.D. degree preferred. Please send curriculum vitae to: Dr. K. M. Ataya, Director, Reproductive Endocrinology, Obstetrics/Gynecology, Metro Health Medical Center, Case Western Reserve University, Cleveland, OH 44109.

POSTDOCTORAL RESEARCH ASSOCIATE
MOLECULAR VIROLOGY
Triplex Pharmaceutical Corporation, a biotechnology company doing innovative research and development in the area of human therapeutics, is seeking a Ph.D. with 1 to 2 years of experience. The position responsibilities include designing and evaluating the effects of oligonucleotides on the expression of herpes simplex virus genes. Experience with HSV in tissue culture and familiarity with cloning, DNA/RNA isolation, Northern, Southern, and RNase protection assays in vitro transcription systems or viral gene expression is required.

Triplex offers challenging work, benefits and equity participation. The company is located north of Houston and the Texas Medical Center.
Send curriculum vitae to: Lynda C. Shine, Director, 9391 Grogans Mill Road, The Woodlands, TX 77380.

RESEARCH ASSOCIATE.
M.D. or Ph.D. in neuropharmacology to investigate mechanisms involved in the neuropharmacology of dopamine and GABAergic neurons. Minimizing injury in extracellular single-unit recordings, iontophoresis and stereotaxic (retrograde and in vivo intracellular labeling) techniques, clinical and technical skills, Macintosh computer and bind assay is required. Salary is $22,350 annually (40 hours per week; 8:00 a.m. to 5:00 p.m.). Send applications to: Department of Medicine, Box 1197, 2540 E. 10th Street, Durham, NC 27702 or your local Job Service Office referring to: Job Order #: NC 3010180 D.O.T. Code 090.227.010. If not a U.S. citizen, include visa class and basic for work authorization in the United States.
DEPARTMENT OF PHARMACEUTICAL SCIENCES
UNIVERSITY OF MONTANA
The School of Pharmacy invites applications and nominations for two 12-month positions. A Ph.D. degree in Pharmaceutical Sciences or allied disciplines, teaching experience, and strong organizational, interpersonal and communication skills are required. Experience with a Pharmacy Program is desirable. Chair: to provide creative leadership in the development of the Department of Pharmaceutical Sciences. The ideal candidate should be an investigator with a strong track record in scholarship, extramural funding and program development. Assistant professor: with postdoctoral experience to assist in teaching of Pharmacy undergraduate and Pharmaceutical Sciences graduate program and to develop an independent, externally funded research program. Pharmaceutical Sciences consists of 6 faculty with research interests in neuroendocrinology, cardiovascular pharmacology, nutritional influences on drug pharmacokinetics, diabetes, pharmacognosy and pharmaceutical toxicology. The Pharmacy Program shares vital relationships with other departments, centers of excellence and biotechnology companies. Applications including a curriculum vitae, a summary statement on administrative philosophy and experience (Chair position), and names/addresses and phone numbers of at least five references should be sent to: Craig A. Johnston, Ph.D., School of Pharmacy & Allied Health Sciences, University of Montana, Missoula, MT 59812-1075. Telephone: (406)-243-4872. The University of Montana is one of the nation’s outstanding public universities, committed to strong professional programs, research and liberal arts education. It is located in Missoula, a cosmopolitan Rocky Mountain community of 70,000, often singled out in national publications for its quality of life. The School provides an environment conducive to teaching and research with small class size and a new, modern building. Screening of applications will begin December 1, 1991, and will continue until the positions are filled. The University of Montana is an equal opportunity/affirmative action employer.

National Institutes of Health
Public Health Service
FELLOWSHIP IN ELECTROPHYSIOLOGY
The Laboratory of Neurosciences at the National Institute on Aging, Bethesda, Maryland invites applicants for a Fellowship position to study voltage and neurotransmitter-gated ionic currents in aneuploid dorsal root ganglion and hippocampal neurons, and to study synaptic transmission and synaptic integrity in the aneuploid nervous system. The program will primarily involve whole cell and single channel patch clamp recordings of normal and trisomy 16 cultured fetal mouse neurons, which provide a model of human trisomy 21 (Down syndrome). Experience in patch clamp recordings is required.

Interested candidates should submit their Curriculum Vitae and two letters of recommendation to: Stanley I. Rapoport, M.D., Chief, Laboratory of Neurosciences, National Institute on Aging, National Institutes of Health, Building 10, Room 6C103, Bethesda, MD 20892.

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Cardiovascular Scientist
Merck Sharp & Dohme Research Laboratories in West Point, Pennsylvania has an opening for a Cardiovascular Scientist with experience with in vivo models of vascular injury, thrombosis and thrombolysis, smooth muscle cell proliferation and/or restenosis, to join an active team of investigators involved in the development of novel cardiovascular therapies.

This position requires a Ph.D. in pharmacology or physiology, and at least two years postdoctoral experience. Active collaboration with other investigators in the group will be required, and the publication and presentation of experimental results is highly encouraged.

Excellent salary and benefit programs accompany this position at our modern research facilities located 25 miles northwest of Philadelphia.

Please send curriculum vitae with references, transcripts and cover letter to: Personnel Manager, Ad #D-40, Research Personnel, WP42-2, Merck Sharp & Dohme Research Laboratories, West Point, PA 19486.

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FACULTY POSITIONS

EMORY UNIVERSITY
SCHOOL OF MEDICINE
Department of Microbiology & Immunology

The Department of Microbiology and Immunology invites applications for several tenure-track faculty positions. Responsibilities include establishment of a strong research program and a commitment to graduate and medical student education. Expansion of the department has been made possible by relocation into the new facilities of the Rollins Research Center on the Emory Campus adjacent to the U.S. Centers for Disease Control. Candidates must hold a Ph.D. or M.D. degree with at least two years of post-doctoral experience and a strong record in research. It is anticipated that most appointments will be at the level of Assistant Professor. Applicants with research interests including but not limited to virology, immunology, bacterial genetics and pathogenesis will be considered. Applications should include a current curriculum vitae, a brief research history and plans for future research. Applications should also include the names and addresses of three references. Applications will be reviewed beginning in December, 1991; however, the search will remain open until the positions are filled. Submit application materials to:

Charles P. Moran, Jr., Ph.D.
Chairman, Faculty Search Committee
Department of Microbiology and Immunology
Emory University School of Medicine
Atlanta, Georgia 30322

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POSITIONS OPEN

MOLECULAR DIAGNOSTICS
EVANSTON HOSPITAL

The Department of Pathology and Laboratory Medicine of Evanston Hospital seeks candidates for a staff position in a newly to-be-established molecular diagnostics laboratory. The laboratory will combine research and methods development with clinical service and with teaching of medical housestaff. Preferably, the director of the laboratory will be an M.D. pathologist with special expertise in molecular diagnostics. The position is open 1 October 1991. The position will be in the Department of Pathology and Laboratory Medicine of Evanston Hospital, with an academic appointment at Northwestern University Medical School. Liaison with the Department of Molecular Biology at nearby Northwestern University is strongly encouraged. Evanston Hospital and Northwestern University are Equal Opportunity Employers; members of minorities are encouraged to apply. Inquiries should be sent to:

Malcolm V. Vye, M.D.
Department of Pathology and Laboratory Medicine
Evanston Hospital
3650 Ridge Avenue
Evanston, IL 60201—1783

ILLINOIS NATURAL HISTORY SURVEY
CENTER FOR BIOEQUIVALENCE

PLANT SYSTEMATIST. Specializing in cryptogams or flowering plants. Applicants are expected to be well versed in systematic theory and methodology. In addition, applicants should have expertise in: (1) developing a collection laboratory; (2) having done floristic surveys; (2) revisionary, monographic, or evolutionary studies; or (3) population ecology. Qualifications include: Ph.D. in systematic biology; demonstrated ability to plan, conduct, and evaluate research activities; recognized stature in the scientific community; and publication record. Salary range is $30,000 to $33,000 (12-month appointment) or comensurate with experience. To receive full consideration, applications should be received by 13 December 1991. Send letter, brief description of research interests, and the names and addresses of three references to: Ms. Jacques Sanders, Personnel Officer, Illinois Natural History Survey (INHS), 607 East Peabody Drive, Champaign, IL 61820. Refer technical questions about the position to: Dr. Kenneth R. Robertson, 217-244-2171. INHS is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.

RESEARCH CHEMIST. Exploratory research for specialty chemical materials. Prepare, characterize, and perform applications tests on new materials including resourcing them, testing them on laboratory and industry temperature superconductors. Development of new products and creation of new technologies utilizing sol-gel chemistry, computer applications, and chemistry/semiconductor science. Utilize state-of-the-art software and computer applications. Prepare and present oral and written presentations and supervise direct technical assistants. Requirements: Ph.D. in chemistry and 3 years of experience as researcher with broad base extensive background and proven fundamental research abilities as demonstrated by a significant number (20 or more) publications in recognized professional journals. Degree must be in organic chemistry with background in materials synthesis and characterization with emphasis on surface chemistry. Knowledge of high-temperature superconductor synthesis and characterization skills and STM, XRD optical spectroscopy and electron spectroscopy, surface analysis, knowledge of fabrication on IBM and Maclauth computer systems and computer data acquisition in instrument development experience. Proof of lawful authority to work in the United States. Forty hours per week; $50,000 per year; submit résumé or curriculum vitae to: Philadelphia Job Bank, 444 North 3rd Street, Philadelphia, PA 19123, (215) 643-5730.

VERTEBRATE BIOLOGIST able to teach introduc- tory zoology, the natural history of vertebrates, and appreciation of nature for elementary teachers. Requires Ph.D., preferably with postdoctoral, publication and teaching experience. Additional experience preferred. Deadline: 1 December 1991. Send résumé and have three letters of recommendation sent to: Selection Committee, Department of Zoology, WIDB, Brigham Young University, Provo, UT 84602. Equal Opportunity Employer.

RESEARCH PSYCHOLOGIST/PHYSIOLOGIST

U.S. Department of Agriculture (USDA), Agriculture Research Service (ARS), Western Human Nutrition Research Center (WHNRC), San Francisco, California. ARS invites applications for a research psychologist or physiologist position. Research focus is on the effects of malnutrition on behavior and the nervous system, with emphasis on the effects of water-soluble micronutrients. Knowledge of psychology or neuroendocrinology is required. Ph.D. is desired. Must be U.S. citizen. Salary is commensurate with experience—$33,605 to $52,559 per year. For information on the research program, contact: Dr. Robert Jacob, WHNRC, P.O. Box 29997, Presidio of San Francisco, CA 94129; telephone: 415-566-8311. For application procedures/forms, contact: Patricia Roberts, USDA, ARS, Personnel Division, 6305 Ivy Lane, Greenbelt, MD 20770—1435; telephone: 301-544-3138. Inquiries should be received by 29 November 1991. An Equal Opportunity Employer.

SENIOR RESEARCH CHEMIST. Research involving development of HIV-PROTEASE inhibitors to inhibit retroviral enzymes applies asymptotic synthetic chemistry and developmental fingerprinting. Research focus is on the effects of temperature and toxicity and bioavailability. Computer-assisted rational drug design studies. Supervise and recruit chemists and lab personnel. Requires Ph.D. in chemistry with state-of-the-art background involving synthetic chemistry, particularly osmium catalysts and C2 symmetric organoborane reagents with synthetic organic chemistry skills. Instrumentation expertise required for job. Must have outstanding academic research and publication background and proof of ability to work in the United States. Forty hours per week; $52,800 per year; curriculum vitae to: Philadelphia Job Bank, 444 North 3rd Street, Philadelphia, PA 19123; (215) 4430343.

ANNOUNCEMENTS

GRADUATE ASSISTANTSHIPS IN MASS SPECTROMETRY for 1992 include physical studies of reaction dynamics, and studies of biomolecular structure by using electrospray ionization, tandem mass spectrometry, and molecular modeling. Other areas for graduate research are available in the department. Assistantships range from $12,000 to $15,000 plus full tuition, fees, and health insurance. Application deadline is 15 October 1991. Please contact: Dr. Jeanette Adams, Department of Chemistry, Emory University, Atlanta, GA 30322. Telephone: 404-727-6522.

AMERICAN MUSEUM OF NATURAL HISTORY FELLOWSHIPS AND GRANTS

FELLOWSHIPS. Research/Museum Fellowships are available to postdoctoral researchers and established scholars beginning in summer and fall 1992. The fellowships support independent research in association with the resident staff. Areas include vertebrate and invertebrate zoology, malacology, ichthyology, entomology, herpetology, mineral sciences, and the field of museum education as it relates to natural history museums or planetariums. This year, an additional fellowship will be available to those interested in the field of paleontology. One or more fellowships will be awarded to candidates for the academic year 1992—93. The deadline for receipt of applications is 1 August 1992. For further information, contact: Dr. Theodore Roosevelt III, Director of Scientific Research, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024.

POSITIONS OPEN

The Department of Psychology has a POSITION AVAILABLE for a qualified individual to develop and maintain the department's instructional and research facilities, coordinate research and implement experimental designs in psychological research, to teach courses in experimental psychology, biopsychology, advanced statistics, and advise faculty and students in the use of research and statistical facilities. Requires a Ph.D. in psychology; demonstrated ability to maintain research facilities. Interested individuals should contact: Dr. David Mackay, Chair, Boston University, Department of Psychology, 64 Cambridge Street, Boston, MA 02215. An Equal Opportunity/Affirmative Action Employer.

SENIOR SCIENTIST

Senior scientist to supervise molecular and cellular biologists engaged in research on the generation of strains of mice which model human disease and on genetic approaches towards the introduction of human traits in mice. Requirements: Ph.D. in genetics or molecular biology and a minimum of 3 years of postdoctoral research experience, demonstrated ability of mouse to perform molecular cloning and the design of expression vectors, cell culture, embryonic cell lineage analysis, particularly involving mouse brain and neural crest systems, as well as mouse breeding, handling and surgery and the manipulation of mouse embryos, including methods of embryonic stem cell transplantation. The candidate must also be able to conduct experiments in homologous recombination in embryonic stem cells. Job site and interview: Mountain View, California. Salary: $75,000 to $125,000 per year. Send copy of ad and résumé to: Job Order # ET3233, P.O. Box 9560, Sacramento, CA 95823—0560 no later than 9 November 1991.

VETERINARY DIAGNOSTIC PATHOLOGIST

Tenure-track position available for a primary appointment in the Diagnostic Laboratory and a joint appointment in the Department of Veterinary Pathology. Duties will include shared responsibility for pathobiology service and a pathology residency program in the Pathobiology Department and Diagnostic Laboratory. Interact with professionals/staff of full-service Diagnostic Laboratory and Veterinary Extension/Feld Service Unit concerning service, extension, teaching and research. A D.V.M. or equivalent degree and Diplomate of the American College of Veterinary Pathologists (ACVP) with established expertise in diagnostic pathology required. M.S. or Ph.D. highly desirable. Salary commensurate with experience and education. Please submit a complete résumé with three or more references for priority. For position available in October 1991. Send résumé, vitae [include contact telephone number], and references to: Dr. Theodore A. Schneck, Director, Diagnostic Laboratory, New York State College of Veterinary Medicine, Cornell University, Box 786, Ithaca, NY 14831—0786; telephone: 607—254—3900. An Affirmative Action/Equal Opportunity Employer and Educator.

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As a means of increasing the number of U.S. citizens trained in disciplines of science and engineering of military importance, the Department of Defense plans to award approximately 100 new three-year graduate fellowships in April 1992. National Defense Science and Engineering Graduate Fellowships will be awarded for study and research leading to doctoral degrees in, or closely related to, the following disciplines:

AERONAUTICAL AND ASTRONAUTICAL ENGINEERING
BIOSCIENCES (includes Toxicology)
CHEMICAL ENGINEERING
CHEMISTRY
COGNITIVE, NEURAL, AND BEHAVIORAL SCIENCE
COMPUTER SCIENCE
ELECTRICAL ENGINEERING
GEOSCIENCES (includes terrain, water, and air)
MANUFACTURING SCIENCES AND ENGINEERING
(INCLUDES INDUSTRIAL ENGINEERING)
MATERIALS SCIENCE AND ENGINEERING
MATHEMATICS
MECHANICAL ENGINEERING
NAVAL ARCHITECTURE AND OCEAN ENGINEERING
OCEANOGRAPHY
PHYSICS (includes Optics)

Recipient of National Defense Science and Engineering Graduate Fellowships do not incur any military or other service obligation.

Specific information regarding the fellowship and an application package are available from Battelle Memorial Institute, a not-for-profit research institution, which is administering the program for the Department of Defense.

The application package will also contain information about the Office of Naval Research Graduate Fellowship program administered by ASEE and the Air Force Laboratory Graduate Fellowship program administered by SCHEE.

Application materials are available from Battelle at the following address:

NDSEG Fellowship Program
200 Park Drive, Suite 211
P.O. Box 13444
Research Triangle Park, NC 27709-3444
ATTN: Dr. George Otterson
(919) 549-8505.

Completed applications must be received by Battelle by January 15, 1992.
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