Personnel Placement

SCIENCE publishes each Friday, except the last Friday of the year. All material in this section is printed in boldface type. Positions wanted must be submitted by 2 p.m. on Tuesday and will be published the following week. Note: Ad cancellations must be made by Thursday. Positions must be written in paragraph form. All positions must be accompanied by contact information. Submit all materials to Personnel Placement, 1333 H Street, NW, Washington, DC 20005.

POSITIONS WANTED

Molecular Virologist, Ph.D., 1984. Experience with recombinant DNA, cloning, restriction enzyme mapping, dideoxy sequencing, SDS-PAGE and 2D, mammalian cell transfection, expression, structure/functi- onal studies of retroviral proteins. Good publication record. Seeks industry or government position in St. Louis, Missouri, or equivalent area. Box 162, SCIENCE.

Ph.D. Experience in lipid analysis, phospholipid polyn- saturated fatty acid metabolism. Metabolite analysis by radiotopic technique, TLC, HPLC, GC. Blood cell separation, extraction, enzyme assay in whole cell or membrane preparation. RIA development, cell culture, ELISA, immunological techniques, organic synthesis. Academic or industry staff position. Philadelphia, New Jersey, Florida. Box 163, SCIENCE.

Protein Biochemist, Research associate, 1981; 17 years of experience in industrial and basic research. Enzyme glycoprotein, membrane protein, and antibody purification and characterization for structure and function, membrane recombination. Seeks research/academic/indus- trial position in Canada. Box 161, SCIENCE.

POSITIONS OPEN

ADVANCED ASSISTANT PROFESSOR

The University of Iowa Department of Chemistry anticipates making a position available at the advanced assistant professor level for an individual with established track records in research and teaching. The candidate’s area of research is open to all fields of chemistry, including biochemistry. Applicants should submit curriculum vitae, a summary of research interests (including past and present research grant support), a statement of teaching experience, and arrange for three letters of recommendation. Applications from qualified women and minorities are strongly encouraged. Send application materials to Paul Quin, Department of Chemistry, The University of Iowa, Iowa City, IA 52242. Early application is encouraged. Equal Opportu- nity/Affirmative Action Employer.

Board-certified ANESTHESIOLOGIST required at assistant professor level in progressive academic depart- ment. Background and experience in cardiovascular biology or anesthesia are required. Applicants should have a history of demonstrating productivity in research, clinical skills, and teaching experience. Send curriculum vitae and/or three reference letters to: Dr. Keith Walsh, Chairman, Department of Anesthesiology and Critical Care Medicine, The Johns Hopkins Hos- pital, 600 North Wolfe, Baltimore, MD 21205. Include full curriculum vitae and list three professional references. The Johns Hopkins University is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR DEPARTMENT OF ZOOLOGY DUKE UNIVERSITY

The Department of Zoology seeks applicants for a position in molecular and cellular neurobiology. The appointment will be at the tenure-track assistant professor level, for the fall of 1988. Applicants should have demonstrated outstanding ability in research. Teaching responsibilities include introductory biology courses, and an advanced offering in the other semes- ter. Send curriculum vitae, brief statement of research and teaching interests, and the names and addresses of three references, to Dr. V. Tucker, Chairman, Search Committee, Department of Zoology, Duke University, Durham, NC 27706. Duke University is an Equal Opportunity/Affirmative Action Employer.

BIOLOGY—Two 9-month, tenure-track positions available in the Department of Biology for the fall of 1988. Applicants should have demonstrated outstanding ability in research. Teaching responsibilities include introductory biology courses, and an advanced offering in the other semes- ter. Send curriculum vitae, brief statement of research and teaching interests, and the names and addresses of three references, to: Dr. G. V. Tucker, Chairman, Search Committee, Department of Biology, Duke University, Durham, NC 27706. Duke University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF OPHTHALMOLOGY

The Department of Ophthalmology at the Univer- sity of Southern California School of Medicine is seeking an M.D./Ph.D. ophthalmologist with prior experience in retina and related fields of research. Also required is experience in molecular biology and neurotransmitters. Send qualifications and curriculum vitae to: Stephen J. Strong, M.D., Department of Ophthalmol- ogy, University of Southern California School of Medicine, 1335 San Pablo Street, Los Angeles, CA 90033. The University of Southern California School of Medicine is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR OF MEDICINE

The Department of Medicine at the University of Southern California School of Medicine is seeking an M.D./Ph.D. in a field related to cancer research. Send curriculum vitae and a statement of research interests to: Dr. W. C. Strong, Chairman, Department of Medicine, University of Southern California School of Medicine, 1335 San Pablo Street, Los Angeles, CA 90033. The University of Southern California School of Medicine is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR OF BIOCHEMISTRY

The Department of Biochemistry at Colorado State University hopes to make several tenure-track appoint- ments during the next 3 years. Applicants should describe a cluster of active people in the area of protein structure and function, including, for example, protein crystallog- raphy, molecular dynamics, and site-directed mutagen- esis. One position will be filled in the fall of 1988. Candidates should have postdoctoral experience and published work in an appropriate area, should be prepared to establish an independent, externally funded research program, and should be capable of teaching biochemistry to undergraduate and graduate students. Applications include a research plan, a statement of research plans, and the names of three references should be sent by 1 December 1987 to: David J. Cox, Head, Depart- ment of Biochemistry, University of Colorado Health Sciences Center, Denver, CO 80262. Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSORSHIP DEPARTMENT OF NEUROBIOLOGY HARVARD MEDICAL SCHOOL

The Department of Neurobiology and Harvard Medi- cal School is conducting a search for an assistant profes- sor with interest in cellular or molecular neuroscience, including but not limited to, differentiation, development and neuronal signaling. The position involves establishment of an independent research program, train- ing of graduate students and postdoctoral fellows, and teaching of medical students. Harvard Medical School is an Equal Opportunity/Affirmative Action Employer; applica- tions from women and minorities are encouraged. Applicants should send curriculum vitae, names of at least three references, and a statement of research interests to: Dr. D. K. Green, Chairman, Search Committee, Department of Neurobiology, Harvard Medical School, 210 Longwood Avenue, Boston, MA 02115.

ASSISTANT PROFESSOR OF NUTRITION

Applications are invited for a 12-month, tenure-track appointment in the Graduate Program in Nutrition at the State University of New York at Buffalo (SUNYAB). Ph.D. in Nutrition and 2 yrs of postdoctoral experi- ence are required. Successful candidate expected to develop and teach graduate courses in biochemical nutrition, develop research program in an area of metabolism that can attract external funding, advise students and partici- pate in committee work. Deadline for application is 1 February 1988. Send curriculum vitae, three letters of recommendation, and a letter stating research plans and interest to: Atif B. Awad, Ph.D., Nutrition Program Director, Chairmen of the Search Committee, 343 Kimball Tower, SUNY at Buffalo, 345 Main Street, Buffalo, NY 14214. SUNYAB is an Affirmative Action/Equal Opportunity Employer.

Applications invited for a tenure-track position at ASSISTANT OR ASSOCIATE PROFESSOR level available 1 September 1988. Ph.D. required. Duties include teaching undergraduate courses in general bio- logic and microbiology to a diverse body of healthy and health impaired students. Candidates should have a commitment to excellence in teaching and to service to the institution. Minority applicants are strongly encouraged to apply. An Equal Opportunity/Affirmative Action Employer. Send letter of interest and CV by 1 November 1987 to: Dr. P. E. Bostick, Biology Department, St. Louis, MO 63122.
POSITIONS OPEN

HARVARD MEDICAL SCHOOL
DEPARTMENT OF GENETICS

The Department of Genetics at Harvard Medical School invites qualified Ph.D. or M.D. scientists to submit applications for an appointment as the ASSISTANT PROFESSOR level. The appointment offers significant scholarly, educational and scientific resources in addition to providing opportunities for interacting with graduate and medical students with strong interests and promise in genetics research. Candidates with demonstrated interests in a degenerative approach to understanding the genetics of eukaryotic systems are particularly encouraged to apply. Applicants should submit, prior to 1 January 1988, curriculum vitae, reprints, statements of research interests, three references, and a 500 word statement and names of three references to: Dr. Philip Leder, Chairman, Department of Genetics, Harvard Medical School, 25 Shattuck Street, Boston, MA 02115.

Harvard Medical School is an Equal Opportunity/Affirmative Action Employer. Qualified women and minority group members are encouraged to apply.

Applications are invited to fill one probationary (tenure-track) appointment and one term appointment at the rank of an ASSISTANT OR ASSOCIATE PROFESSOR beginning 1 July 1988. Candidates should have a D.S.D./M.D. or Ph.D. degree with teaching experience in either gross anatomy or histology, in addition to at least one other area (neuroanatomy, embryology and histology). The teaching responsibilities will include full or half course teaching, preparing and teaching anatomy, and graduate teaching. Candidates are expected to participate in developing research programs in areas relating to anatomy. Both men and women are encouraged to apply. In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents.

Applicants should submit their curriculum vitae, an outline of their research goals, and arrange for three letters of recommendation to: Dr. G. A. Bowden, Professor and Head, Department of Oral Biology, Faculty of Dentistry, University of Manitoba, 770 Pembina Avenue, Winnipeg, Manitoba, Canada R3E 0W3. Deadline for applications is 31 January 1988.

TEMPLE UNIVERSITY

Temple University is seeking a biochemist to join a research group studying molecular and/or cell biological interactions of blood coagulation. Applicants should have a Ph.D. and be interested in working with at least one of the following areas: postdoctoral experience in molecular biochemistry or cell biology, or cell biology, and an interest in working with graduate and medical students. Familiarity with recombinant DNA techniques is desirable. Candidates will be expected to participate in developing research programs in areas relating to cell biology. Both men and women are encouraged to apply. In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents.

Applicants should submit curriculum vitae, list of publications, a brief description of current and future research directions, and P&G letter and references to: Dr. James Wild, Department of Biochemistry and Biophysics, University of Arizona, College Station, TX 78740-2128.

Applications will be accepted until 15 December 1987, or until a suitable candidate is found.

The Texas A&M University System is an Affirmative Action/EQUAL OPPORTUNITY EMPLOYER.

POSITIONS OPEN

ASSISTANT OR ASSOCIATE PROFESSOR OF BIOLOGY

A tenure-track faculty position is available starting in the fall semester of 1988. We seek a broadly trained investigator with strong background in molecular physiology, neuroanatomy, and/or embryology. The candidate must have a Ph.D. degree and have demonstrated postdoctoral research experience in at least one of these areas. Teaching responsibilities include an introductory course in molecular biology and a seminar in neuroanatomy. Salary is negotiable with a starting date of 1 July 1988. Applications should be sent to Dr. Charles Bowers, Professor, Department of Biology, University of Texas, College Station, TX 77843-1024. Review of applications will begin 1 January 1988. Minority candidates are encouraged to apply.

Tulane University School of Medicine—Seeking ASSOCIATE or PROFESSOR OF MEDICINE in the Endocrine Section of the Department of Medicine to fill the newly established Tullis—Tulane Alumni Chair of Diabetes. The individual selected must be board certified in Endocrinology and Metabolic Board-certified. The position involves teaching, patient care, and research responsibilities. Applicants are invited to apply to: C. G. Hall, Chair, Department of Medicine, 1430 Tulane Avenue, New Orleans, LA 70112. Include updated curriculum vitae. Tulane University is an Affirmative Action/EQUAL OPPORTUNITY EMPLOYER.

BIOLCHEMISTRY/MOLECULAR GENETICS
TEXAS A&M UNIVERSITY

The Department of Biochemistry and Biophysics at Texas A&M University is seeking applications for FACULTY POSITIONS. These are 12-month, tenure-track positions to be filled September 1988. Academic rank is open and dependent upon experience and qualifications. Outstanding individuals having research interests dealing with the application of molecular aspects of regulation, structure, mechanism, or function in microbial, animal, or plant systems are sought. In addition to research, participation in the department undergraduate and graduate teaching programs will be required. A Ph.D. in either biochemistry or a related field, plus appropriate postdoctoral experience is required.

Applicants should send curriculum vitae, list of publications, a brief description of current and future research directions, and names and letters of reference to: Dr. James Wild, Department of Biochemistry and Biophysics, University of Arizona, College Station, TX 78740-2128.

Applications will be accepted until 15 December 1987, or until a suitable candidate is found.

The Texas A&M University System is an Affirmative Action/EQUAL OPPORTUNITY EMPLOYER.

POSITIONS OPEN

CELL PHYSIOLOGIST: Rank of assistant professor. Qualifications: D.V.M. and/or Ph.D. degree(s) with strong background in molecular physiology, teaching duties include participation in teaching physiology in the professional veterinary curriculum as well as in graduate degree (cell biology) programs. The successful candidate will be expected to initiate and conduct a high quality research program. Application closing date: 1 February 1988 or until filled. Position available: 1 July 1987. Send curriculum vitae, along with a statement of your teaching and research interests, together with the names and addresses of three persons with whom they have had contact, with a request for an evaluation of your qualifications and abilities to: Dr. Robert A. Argenzio, Department of Anatomy, Physiological Sciences and Radiology, College of Veterinary Medicine, North Road, New London, CT 06320. Harvard Medical School is an Equal Opportunity/Affirmative Action Employer.

CELLULAR IMMUNOLOGIST

Cellular Immunologist, Ph.D. and greater than 3 years of experience with human lymphocyte culture studies. Applicants must still have flexible hours to fit assays performed and report to the Chief of Medical Oncology. Salary $30,000 to $40,000 plus excellent benefits package. For interview appointment, send sealed resume with names and addresses of three references to: Dr. H. C. Preble, Resource Department, American International Hospital, 2629 Sheridan Road, Zions, IL 60099. Telephone: 812-746-4491, extension 456.

COMPARATIVE PSYCHOLOGIST/ANIMAL BEHAVIORIST: Tenure-track assistant professorship beginning September 1988. We are seeking individual whose research program falls into one of two categories. The first category would involve research on species-specific behavior. The second would involve research on the biology of learning and memory in animals. In addition to research, applicant is expected to teach at graduate and undergraduate levels. Send curriculum vitae, list of publications (or other samples of scholarly work), statement of research interests, and three letters of recommendation by 15 January 1988, to: Michael Numan, Faculty Search Committee, Department of Psychology, Boston College, Chestnut Hill, MA 02167. Boston College is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

COMPUTER RESEARCH ENGINEER (SCIENTIST)—Non-tenure track. Tenure-track possibility. Include development and design of mini-micro computer systems hardware and software (VAX 11-750, Prime 300), network image acquisition stations, computer-aided teaching, equipment maintenance and ongoing research participation. M.S. degree in EE, Computer Science, or Biomedical Engineering. Minimum 3 years of experience, or relevant B.S. plus additional experience. We offer an excellent compensation and benefits package. Please send résumé to: Jean Cogwell, Employment Representative, Long Island Medical Center, New Hyde Park, NY 11042. An Equal Opportunity Employer.

DEVELOPMENTAL BIOLOGIST

The Department of Biology at Washington University in St. Louis, seeks to add an additional developmental biologist to its faculty. Preference will be given to junior candidates whose credentials and postdoctoral records indicate a strong potential both to establish a productive, independent research program in a subarea of development that will complement the interests of existing faculty, and to participate effectively in the teaching of developmental biology to undergraduate and graduate students. The usual teaching responsibility in the department is for 40 lecture hours per year. Applicants should submit curriculum vitae and a letter summarizing past, current, and future research and teaching interests, and arrange to have three letters of reference sent to: Chair of Developmental Biology Search, Department of Biology, Washington University, St. Louis, MO 63130. Washington University is an Equal Opportunity/Affirmative Action Employer.
POSITIONS OPEN

CHAIR, DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

The School of Medicine and the College of Science and Mathematics, West Virginia University invite applications and nominations for the position of Chair of the Department of Microbiology and Immunology. Candidates must hold a Ph.D. or M.D. or both and demonstrate accomplishments in teaching and research. The ability and desire to provide effective academic administration is important. Commitment to the advancement of all relevant areas of microbiology and immunology will be considered. The department offers courses to baccalaureate and graduate students as well as undergraduate medical students, and participates in training in the Sciences PhD Program.

Send curriculum vitae with the names and addresses of three references to: Albert E. Langley, Ph.D., Chair, Microbiology and Immunology Search Committee, Wright State University, School of Medicine, Department of Pharmacology and Toxicology, Dayton, OH 45435. The closing date for applications is 1 December 1987.

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

THE CHINESE UNIVERSITY OF HONG KONG

FACULTY OF MEDICINE

Applications are invited for the CHAIR OF ANATOMY, which will fall vacant in May 1988. The appointee will be required to teach the reading and research activities of the Department.

Conditions of Service: The minimum salary for the post is about $US130,000 per annum. Fringe benefits include long service, superannuation (University 15% of salary, appointee 5%), medical benefits, education allowance for children, housing accommodation on campus (rental at 7.5% of salary) and air passage benefits.

Application Procedure: Applications should be made out in triplicate, giving the names and addresses of three referees in addition to full particulars of qualifications and experience, and sent together with copies of certificates, publications, and references to: The Personnel Section, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong not later than 15 December 1987. Please quote reference number 06/282B/7. Applications are subject to recruitment on cover.

DEPARTMENT HEAD BIOLOGY

PENNS STATE

The Department of Biology, The Pennsylvania State University, seeks to fill the position of Head of the Department. Applicants from full professors to newly minted faculty are encouraged to consider this position. The successful candidate will possess a Ph.D. in any discipline within the Department and a strong record of teaching and research in the biological sciences. The Department Head will be expected to develop and support a strong graduate program and to direct the ongoing growth of the Department.

Applications should be sent to: Paul W. Young, Chair, Search Committee for Department Head, Department of Biology, The Pennsylvania State University, University Park, PA 16802; Telephone: 814-865-9001. Review of applications will begin in November, closing 4 January 1988, or until a suitable candidate is found. An Equal Opportunity/Affirmative Action Employer.

DIRECTOR—FLOW CYTOMETRY RESOURCES

Tenure-track position with responsibility for the continued development of flow cytometry resources in the Department of Pathology, School of Medicine. Will direct a State of Art Laboratory with more than 30 flow cytometers (Coulter 753, BD FACScan and BD FAC III) and supporting staff and equipment. The Lab is affiliated closely with the National Flow Cytometry Resource at the Los Alamos National Laboratory. The Director will be expected to develop independent research and support innovative methods in flow cytometry to address basic issues in biology and medicine. His/her academic appointment will be dependent on academic standards at the University. Deadline: 8 January 1988. Submit letter of application, list of references, and curriculum vitae to: Dr. J. M. Oliver, University of New Mexico School of Medicine and/or Cell Pathology Laboratory, Suite 153, Building 3M, University of New Mexico, Albuquerque, NM 87131. Affirmative Action/Equal Opportunity Employer.

DEVELOPMENTAL GENETICS

Tenure-track vacancy at the ASSISTANT OR ASSOCIATE PROFESSOR level in developmental genetics. Candidate must have a Ph.D. in biology or a closely related discipline and demonstrated accomplishment in teaching and research. The successful candidate will be expected to continue to develop an active research program in the area of developmental genetics. Responsibilities are teaching, advising, and conducting research. Send curriculum vitae, teaching and research statements and names of three references to: Dr. W. E. O'Connor, Chair, Search Committee for Assistant or Associate Professor, Department of Zoology, University of Michigan, Ann Arbor, MI 48109-1078. A Ph.D. degree and postdoctoral experience is required. Appointment begins August 1988. An Equal Opportunity/Affirmative Action Employer.

DENTOR, INSTITUTE FOR MOLECULAR AND AGRICULTURAL GENETIC ENGINEERING

UNIVERSITY OF IDAHO

The University of Idaho invites applications for Director of the Institute for Molecular and Agricultural Genetic Engineering (IMAGE). The mission of IMAGE is to encourage research in and development of newly emerging biotechnologies at the University of Idaho and to use this research with others in the state to foster an agricultural, natural resource and industrial applications. IMAGE is composed of scientists from a variety of departments, colleges, and locations within the University of Idaho, and it provides a focus for research interests and encourages research interaction within the University and with cooperating institutions such as the Idaho National Engineering Laboratory (INEL). Equally important is training of students in recombinant DNA technology and biotechnology. The University and the state have made a long-term commitment to support biotechnology in the state.

Duties include promotion of research programs in IMAGE, organization of educational programs, budget preparation, and establishment of effective liaison with cooperating institutions and funding agencies.

Qualifications required include an earned Ph.D., an excellent research record in a biotechnology related area, and proven administrative ability. Salary is competitive and will be related to the qualifications and experience of the candidate.

Letters of application including curriculum vitae, statement of interests and goals, and names of at least three references will be accepted. Phone inquiries should be sent by 5 January 1988 to: Dean A. Larry Braren, Chairman, IMAGE Search Committee, College of Agricultural, University of Idaho, Moscow, ID 83843; telephone: 208-885-5611. The University of Idaho is an Affirmative Action/Equal Opportunity Employer.

REOPENED SEARCH

PROFESSOR/ASSOCIATE PROFESSOR OF ENVIRONMENTAL EPIDEMIOLOGY AND DIRECTOR, CENTER FOR ENVIRONMENTAL EPIDEMIOLOGY

The Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh has an immediate need to fill a tenure-track position at the rank of Professor or Associate Professor of Epidemiology to head the program in environmental epidemiology. This program is focused in an EPA-funding situation, and the successful candidate would be expected to serve as the Center Director. The position is a tenure-track faculty position.

The School has strong programs in aging, diabetes, environmental chemistry, environmental microbiology, genetics, radiation health, statistical methods and toxicology, and various related areas. The successful candidate is expected to be an established epidemiologist with specific interests in the effects of the environment on human health and have a successful track record of research and teaching in environmental epidemiology. The position is a hard money position by the School. Salary is commensurate with qualifications.

Interested applicants should send letter of intent, resume, and copies of three most recent peer-reviewed reprints to: Philip E. Enterline, Ph.D., Chairman of the Search Committee, University of Pittsburgh, 130 Delo Lane, Pittsburgh, PA 15261. The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN PARASITOLOGY

The Department of Pathobiology, School of Veterinary Medicine at the University of Pennsylvania invites applications for a tenure-track assistant professor position in the Laboratory of Parasitology, available 1 July 1988. Applicants are expected to have a D.V.M. and Ph.D. degree with postdoctoral experience and demonstrated research and teaching ability in parasitology. Candidates with M.D./Ph.D. or Ph.D. degrees with additional experience as indicated will also be considered. Preference will be given to candidates with a background in laboratory immunology. The successful applicant will be expected to develop a strong research program and participate in the teaching of veterinary and graduate students. Salary will be commensurate with qualifications. Candidates are requested to submit curriculum vitae and the names and addresses of at least three references to: Dr. W. T. Weaver, Chairman, Department of Pathobiology, School of Veterinary Medicine, University of Pennsylvania, 3800 Spruce Street, Philadelphia, PA 19104. Deadline for applications is 15 January 1988. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.
DIRECTOR, MIDWESTERN CLIMATE CENTER

The Climate and Meteorology Section of the Illinois State Water Survey (CW RU) in Champaign is seeking a Ph.D. in meteorology, atmospheric sciences, geography, or agronomy with 5 years of experience and proven research achievements in one of the following areas: agricultural meteorology, climate impact assessment, hydroclimatolgy, or water resources. The Director will be responsible for day-to-day development of the Center and for external interactions with state and federal agencies and the private sector. The candidate will also have the opportunity to perform and direct research that advances the understanding of climate in the Midwest's agricultural, energy and water resource sectors. Salary: negotiable. Send resumes and the names of three references to: Dr. Peter J. Lamb, Head, Climate and Meteorology Section, Illinois State Water Survey, 2204 Griffith Drive, Champaign, IL 61820. Closing date: 20 November 1987. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

ILLINOIS STATE UNIVERSITY, BLOOMINGTON, INDIANA

The Department of Biological Sciences at the University of Illinois is seeking a PhD in ecology, or a related discipline. The position is available immediately. Salary is negotiable. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

ORTHODOXY UNIVERSITY, CHICAGO, ILLINOIS

The Department of Biology is seeking a new faculty member with a background in molecular biology. The candidate should have a strong commitment to teaching and research in molecular biology. Salary is negotiable. Send resume and three letters of recommendation to: Dr. William J. Lamb, Chair, Search Committee, Department of Biology, City University of New York, 330 West 40th Street, New York, NY 10018. The University of New York is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

DENTAL MEDICAL UNIVERSITY, COLUMBUS, OHIO

The Department of Biological Sciences at the Dental Medical University is seeking a new faculty member with a background in molecular biology. The candidate should have strong research experience in molecular biology and experience in teaching. Salary is negotiable. Send resume and three letters of recommendation to: Dr. John E. Lamb, Chair, Search Committee, Department of Biological Sciences, Dental Medical University, Columbus, OH 43210. The University of Columbus is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

WORLD UNIVERSITY, CHICAGO, ILLINOIS

The Department of Biology at the World University is seeking a new faculty member with a background in molecular biology. The candidate should have strong research experience in molecular biology and experience in teaching. Salary is negotiable. Send resume and three letters of recommendation to: Dr. John E. Lamb, Chair, Search Committee, Department of Biological Sciences, World University, Columbus, OH 43210. The University of World is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

MOUNTAIN UNIVERSITY, BUENA VISTA, CO

The Department of Biology at the Mountain University is seeking a new faculty member with a background in molecular biology. The candidate should have strong research experience in molecular biology and experience in teaching. Salary is negotiable. Send resume and three letters of recommendation to: Dr. John E. Lamb, Chair, Search Committee, Department of Biological Sciences, Mountain University, Buena Vista, CO 81211. The University of Buena Vista is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

CHICAGO STATE UNIVERSITY, CHICAGO, ILLINOIS

The Department of Biology at the Chicago State University is seeking a new faculty member with a background in molecular biology. The candidate should have strong research experience in molecular biology and experience in teaching. Salary is negotiable. Send resume and three letters of recommendation to: Dr. John E. Lamb, Chair, Search Committee, Department of Biological Sciences, Chicago State University, Chicago, IL 60607. The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

MOUNTAIN UNIVERSITY, BUENA VISTA, CO

The Department of Biology at the Mountain University is seeking a new faculty member with a background in molecular biology. The candidate should have strong research experience in molecular biology and experience in teaching. Salary is negotiable. Send resume and three letters of recommendation to: Dr. John E. Lamb, Chair, Search Committee, Department of Biological Sciences, Mountain University, Buena Vista, CO 81211. The University of Buena Vista is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

CHICAGO STATE UNIVERSITY, CHICAGO, ILLINOIS

The Department of Biology at the Chicago State University is seeking a new faculty member with a background in molecular biology. The candidate should have strong research experience in molecular biology and experience in teaching. Salary is negotiable. Send resume and three letters of recommendation to: Dr. John E. Lamb, Chair, Search Committee, Department of Biological Sciences, Chicago State University, Chicago, IL 60607. The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

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The Department of Biology at the Mountain University is seeking a new faculty member with a background in molecular biology. The candidate should have strong research experience in molecular biology and experience in teaching. Salary is negotiable. Send resume and three letters of recommendation to: Dr. John E. Lamb, Chair, Search Committee, Department of Biological Sciences, Mountain University, Buena Vista, CO 81211. The University of Buena Vista is an Affirmative Action/Equal Opportunity Employer.

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FACULTY POSITION

MOUNTAIN UNIVERSITY, BUENA VISTA, CO

The Department of Biology at the Mountain University is seeking a new faculty member with a background in molecular biology. The candidate should have strong research experience in molecular biology and experience in teaching. Salary is negotiable. Send resume and three letters of recommendation to: Dr. John E. Lamb, Chair, Search Committee, Department of Biological Sciences, Mountain University, Buena Vista, CO 81211. The University of Buena Vista is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

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The Department of Biology at the Chicago State University is seeking a new faculty member with a background in molecular biology. The candidate should have strong research experience in molecular biology and experience in teaching. Salary is negotiable. Send resume and three letters of recommendation to: Dr. John E. Lamb, Chair, Search Committee, Department of Biological Sciences, Chicago State University, Chicago, IL 60607. The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

MOUNTAIN UNIVERSITY, BUENA VISTA, CO

The Department of Biology at the Mountain University is seeking a new faculty member with a background in molecular biology. The candidate should have strong research experience in molecular biology and experience in teaching. Salary is negotiable. Send resume and three letters of recommendation to: Dr. John E. Lamb, Chair, Search Committee, Department of Biological Sciences, Mountain University, Buena Vista, CO 81211. The University of Buena Vista is an Affirmative Action/Equal Opportunity Employer.
ASSISTANT PROFESSOR
VERTEBRATE ZOOLOGIST

Tenure-track position beginning Fall, 1988. Responsible for teaching Comparative Anatomy, Vertebrate Natural History, and Herpetology or Mammalogy. Must be capable of developing and teaching a course in Vertebrate Physiological Ecology. Will be expected to conduct research and direct graduate student research in the area of Vertebrate Zoology. Must have doctorate and demonstrated teaching ability.

Send letter of interest, curriculum vitae, three letters of reference, and transcripts (undergraduate and graduate) to: Dr. Herbert H. Caswell, Jr., Head, Department of Biology, c/o Human Resources, Position V Zoo, P.O. Box 920, Eastern Michigan University, Ypsilanti, MI 48197.

Deadline for application is December 1, 1987.

Eastern Michigan University is an Affirmative Action/Equal Opportunity Employer

RESEARCH SCIENTIST

MIT’s Department of Applied Biological Sciences seeks a Research Scientist in Biopolymer Engineering, specific projects involve the isolation, characterization and manipulation of the genes responsible for polyhydroxybutyrate biosynthesis to produce novel biopolymers. Ph.D. level candidate with 3-4 years’ postdoctoral experience in the area of molecular biology of biopolymer synthesis in Gram negative bacteria, in particular, Zoogloea ramigera or Alcalignes eutrophus. Candidate should have a thorough background in molecular biology and biochemistry as well as the ability to develop innovative approaches to the biopolymer engineering field. Expertise in DNA sequencing, site-directed mutagenesis and protein purification would be an advantage.

Interested candidates should send two copies of both cover letter and resume referencing Job No. R87-389 to: Mr. Ken Hewitt, c/o MIT Personnel Office, (E19-239), 77 Massachusetts Avenue, Cambridge, MA 02139

MIT is an affirmative action/equal opportunity employer.

Visiting Scientist
Immunology

A postdoctoral Visiting Scientist position is open within the Medical Products Department at Du Pont’s Glenolden Laboratory in Pennsylvania. The successful candidate will conduct innovative basic research in immunoregulation with special emphasis on lymphokines and their cellular receptors. Candidate should possess a Ph.D. and one or more years of experience in Immunology or Molecular Biology. The appointment will be for one year, renewable for a second year upon mutual agreement.

At the world renowned Du Pont Company, you’ll find a highly stimulating scientific environment in addition to an excellent salary. To be considered, please send resume, bibliography and references by November 30, 1987 to: Dr. Richard Robb, Glenolden Laboratory, E.I. Du Pont de Nemours and Company, 500 S. Ridgeway Avenue, Glenolden, PA 19036.

U.S. Citizenship required. An Equal Opportunity Employer M/F
POSITIONS OPEN

**FUNGAL MOLECULAR GENETICIST.** Assistant Professor, Department of Plant Pathology, University of California at Davis, full-time, tenure-track position. Appointment to develop innovative program in molecular genetics of fungi, particularly plant pathogens, to complement ongoing programs in bacterial and viral pathogens and phathogenic fungal biology; 85% research, 15% graduate level teaching. Ph.D. required. Interested applicants interested in experience or opportunity in molecular genetics of filamentous fungi. Curriculum vitae, complete transcripts, a statement of research interests, and three confidential letters of recommendation should be sent to: Dr. W. G. Dawson, Search Committee Chairman, Department of Plant Pathology, University of California, Riverside, CA 92521. Applications will be accepted until 1 March 1988 or until suitable applicant has been selected. Women and minority candidates are encouraged to apply. Equal Opportunity/Affirmative Action Employer.

**GENETICIST.** The Department of Biology, University of Central Arkansas, invites applications for a tenure-track assistant professor position to begin fall 1988. Recent Ph.D.'s or postdoctorates are encouraged to apply. The individual will teach both undergraduate and graduate genetics, and biology for non-science majors. Preference will be given to applicants broadly trained in the following disciplines of genetics: population genetics, evolution, quantitative genetics and molecular genetics. Submit curriculum vitae, copies of transcripts, a brief description of teaching and research career goals, and names of three references to: Dr. Edmond Griffin, Chairperson, Department of Biology, University of Central Arkansas, Conway, AR 72032; Telephone: 501-450-3146. The deadline for receipt of applications is 15 December 1988. The University of Central Arkansas is an Equal Opportunity Employer.

**POSITION IN BIOLOGY AND GEOLOGY.** Eastern Oregon State College (EOC) invites applications for a TENURE-TRACK POSITION starting 16 September 1988. Salary and academic rank are open and based on qualifications and teaching experience. Must have a Ph.D. in a biology or geology field or a strong background in both fields. Submit application, resume, copies of all college transcripts, and three recent letters of reference to: Dr. Paul Leary, EOC, 800 S.E. Gilmore Avenue, La Grande, OR 97850. Application deadline is 31 December 1987. EOC is an Affirmative Action/Equal Opportunity Employer.

**HISTOLOGIST/CELL BIOLOGIST.** Rank of assistant or associate professor. Qualifications: D.V.M. and/or Ph.D. in histology and cell biology. Teaching duties include histology in the professional veterinary curriculum and participation in the cell biology graduate program. Applicants will be expected to initiate and conduct high quality research program. Application closing date: 1 February 1988 or until filled. Position available date: 1 July 1988. Submit curriculum vitae with a statement of your teaching and research interests, together with the names and addresses of three persons who, upon request, will be willing to give an evaluation of your qualifications and abilities to: Dr. J. E. Smallwood, Department of Anatomy, Physiologica1 Sciences, Faculty of Veterinary Medicine, North Carolina State University, Raleigh, NC 27606.

**IMMUNOLOGIST---EXPERIMENTAL PATHOLOGIST.** A tenure-track position exists at the assistant professor or associate professor rank. Applicants must have a Ph.D. in immunology or pathology, and extensive background in cell mediated immunity. Applicants will be expected to initiate and conduct high quality research program. Application closing date: 15 March 1988. Position available date: 1 July 1988. Submit a letter of application, curriculum vitae, a statement of research interests, and letters of reference to: Dr. Robert J. North, Director, Trudeau Institute, P.O. Box 59, Saranac Lake, NY 12983.

**MAMMALOGY/ORNITHOLOGY.** Cornell University invites applications for a CURATORIAL RESEARCH ASSOCIATE position in the bird and mammal collections, starting spring 1988 or as negotiated. Initial appointment for 3 years, renewable upon periodic review. Positions require a Ph.D., a broad knowledge of birds and mammals, and experience working in systematic collections. Responsibilities include independent research (50%) and management of the collections (50%). Will work closely with faculty and postdoctoral students. We will begin selecting finalists on 15 December 1987 and continue until a suitable candidate is found. To apply, send curriculum vitae, statements of collections experience and research interests, selected reprints and three letters of reference to: Dr. Amy R. McCane, Ecology and Systematics, Corson Hall, Cornell University, Ithaca, NY 14853; telephone: 607-255-0870. Cornell University is an Equal Opportunity Employer.

**GENETICIST, UNIVERSITY OF ILLINOIS**

The School of Life Sciences, University of Illinois at Urbana-Champaign invites applications for a Faculty position at the associate professor level. We are seeking a person who is an accomplished geneticist well versed in modern methods of molecular and cellular biology. The academic and research record should have a record of sustained significant and innovative research activity in advanced molecular and cellular biologists. Successful candidate will be the coordination of the campus-wide genetics program. This administrative responsibility will be balanced by increased teaching responsibilities. The successful candidate will report to the Dean of the successful school. The School of Life Sciences will depend upon the specific interests of the candidate. Starting date is open. Salary is negotiable and competitive with experience. Send resume and names of three references to: Professor J. Cronan, School of Life Sciences, University of Illinois, 1301 West Green Street, Urbana, IL 61801; telephone: 217-333-3044. To receive full consideration, applications should be received by 15 January 1988.

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

**WASHINGTON UNIVERSITY**

**HUMAN ANATOMY/PHYSICAL ANTHROPOLOGY**

Washington University is seeking applications for a joint appointment at the senior level in the fields of anatomy and physical anthropology. Applicants must have experience in the teaching of human anatomy to medical students and the teaching of physical anthropology to anthropology students. Applicants should have an outstanding research record in some aspect of primate biology and/or human evolution. The appointee would be expected to interact with an expanding research program in human anatomy, anthropology, and primate biology. The appointment and teaching responsibilities would be shared between the Departments of Anatomy and Anthropology, and Division of Medical Genetics. Applicants should send curriculum vitae, statement of research interests, and names and addresses of three referees by 15 January 1988 to: Dr. Glenn C. Conroy, Department of Anatomy and Neurobiology, Washington University Medical School, 660 South Euclid Avenue, St. Louis, MO 63110. Affirmative Action/Equal Opportunity Employer.

**MAGNETOENCEPHALOGRAPHY**

Biomagnetic Technologies is seeking a qualified SCIENTIST to work on computational methods for neuro-magnetism, cerebral electrical activity theory and functional imaging. The ideal candidate will have an advanced degree in physics, biophysics, or mathematics, with a strong background in computer science and experience with interactive filter design and computer graphics. BTT offers a stimulating work environment, the opportunity to develop innovative techniques in a small, dynamic team, and an excellent benefit package. Apply to: Professional Staffing, Biomagnetic Technologies, Inc., 4174 Sorrento Valley Boulevard, San Diego, CA 92121. It is an Affirmative Action, Equal Opportunity Employer.

**MOLECULAR BILOGISTS**

***PERMANENT OR POSTDOCTORAL*** to join research group engaged in multifaceted approaches to studying the structure and expression of acutely regulated genes. Research projects currently under investigation include: molecular, cellular and biochemical characterization of human complement factor D and murine amyloid P component. Applicants should be well versed in recombinant DNA methodology; however, exceptional candidates will be considered at the postdoctoral level. Please forward curriculum vitae to: Dr. John B. Mole, Department of Biochemistry, Massachusetts General Hospital, 50 Mission Street, Boston, MA 02114. It is an Affirmative Action, Equal Opportunity Employer.

**MOLECULAR SYSTEMATIST POSITIONS**

**SMITHSONIAN INSTITUTION**

The National Museum of Natural History, Smithsonian Institution, is seeking two systematists or evolutionists to join the Systematics and Chemical Evolutionary Biology program. One position will hold an appointment in the Department of Botany; the other in one of the following departments: Entomology, Comparative Vertebrate Zoology, or Vertebrate Zoology. Applicants must have an active research program in systematic or evolutionary biology, and expertise in a variety of molecular or morphological techniques. Preference will be given to candidates with postdoctoral experience using molecular methodologies.

These positions will be located in the laboratory to be established at the Museum Support Center in Suitland, Maryland. Salary and grade level of these positions will be commensurate with experience and/or qualifications. One of these positions will also serve as Laboratory director. Anticipated starting date is no later than October 1988. Send curriculum vitae, names of three references, selected publications, and a Standard Form 171 to the Office of Personnel Administration, Smithsonian Institution, Washington, DC 20560; deadline 15 January 1988. The closing date for receipt of applications is 31 December 1987. For more information please contact: Dr. Gary Graves, Chair, Molecular Systematics and Evolutionary Biology, Department of Vertebrate Zoology, Smithsonian Institution, National Museum of Natural History, Washington, DC 20560; telephone: 202-357-2335. The Smithsonian Institution is an Equal Opportunity Employer.

**NEUROSCIENCE FACULTY POSITIONS**

**AT HAHNEMANN UNIVERSITY**

**PHILADELPHIA, PENNSYLVANIA**

Faculty positions at all levels are available in the Department of Physiology and Biophysics at Hahnemann University. These positions are being offered in conjunction with the continuing commitment of the University to a multidisciplinary program in the neurosciences. Required are Ph.D. degree and an established record of research in the neurosciences, as evidenced by publications and extramural research support.

Successful candidates will be expected to interact on a campus-wide level with clinical and basic investigators in the neurosciences as well as participate in the education of both medical and graduate students. Close association with a team-taught medical and advanced physiology courses.

Applications must be submitted by 15 December 1987. Interested applicants should send curriculum vitae, the names of three references, and three letters of reference to: Dr. Howard G. C. Salmon, M.D., Ph.D., Chairman, Department of Physiology and Biophysics, Hahnemann University, 22nd Street and Woodland Avenue, Philadelphia, PA 19102.
SENIOR RESEARCHER

Ph.D. in Biochemistry, Physiology or related field with strong background in membrane biochemistry. The applicant should have experience in peptide/protein isolation and characterization, protein/lipid interactions, and general physical aspects of membrane structure and function.

Position involves research in the general area of drug interactions with biological membranes and mechanisms of drug transport. Research experience in biochemical techniques appropriate for drug transport studies, especially related to peptide compounds, is desirable.

Competitive salary commensurate with qualifications.

INTERx Research Corporation, subsidiary of Merck & Co., Inc., is primarily responsible for identification and resolution of drug delivery problems within Merck Sharp & Dohme Research Laboratories. This charge is being addressed through multidisciplinary approaches involving clinical and biological research as well as the identification and feasibility testing of innovative controlled release systems.

INTERx is located in Lawrence, Kansas, a city of about 80,000 persons, which is about 45 miles west of Kansas City. INTERx research facilities are located adjacent to biomedical research laboratories of the University of Kansas. Send resume to Personnel:

INTERx
Merck Sharp & Dohme Research Laboratories
2201 West 21st Street, Lawrence, KS 66046
An Equal Opportunity Employer M/F/H/V

Merck & Co., Inc.

Chairperson: Chemical Engineering, Chemistry and Environmental Science

NJIT seeks applications for chairperson of chemical engineering, chemistry and environmental science. There are 35 tenure-track faculty in the department which offers accredited undergraduate degrees in chemical engineering and applied chemistry, and graduate degrees in chemical engineering, chemistry and environmental science. Research funding in the current year is approximately $1.3 million with broad support of local petroleum, pharmaceutical and food industries. Candidates must qualify for a tenured position as full professor and have demonstrated leadership and administrative skills. Qualifications: earned doctorate in chemical engineering, chemistry or related field; a record of achievement in research; commitment to excellence in teaching. Inquiries regarding this position may be addressed to Dr. R. Parker, chairperson, Search Committee, (201) 596-3588.

NJIT is the comprehensive technological university of New Jersey with 7,500 students enrolled in baccalaureate through doctoral programs within three colleges: Newark College of Engineering, the School of Architecture, and the College of Science and Liberal Arts.

NJIT does not discriminate on the basis of sex, race, color, handicap, national or ethnic origin, or age in employment.

Send resume including publication record and names of three references by February 12, 1988: Personnel Box CCCE.

FELLOWSHIP IN NEUROSCIENCE-NEUROPATHOLOGY-NEUROANATOMY

HARVARD MEDICAL SCHOOL
DEPARTMENT OF NEUROLOGY AT BETH ISRAEL HOSPITAL

We are seeking a postdoctoral fellow to participate in ongoing research and eventually develop new directions. Current work in this laboratory includes the neuropathology of aging and Alzheimer’s disease, the anatomical organization of cholinergic pathways and the connectivity of the primate limbic system. A strong emphasis on neuroanatomy is a common theme in all of these projects.

Familiarity with histology, axonal transport methods, histochemistry and immunohistochemistry will be desirable. However, in the case of highly successful and motivated candidates who have not mastered these techniques, training will be provided. Additional knowledge of enzymology, neurochemistry or behavior is desirable.

The laboratory is part of a Behavioral Neurology Unit and there will be opportunities for direct contact with the relevant clinical problems such as dementia, amnesia and other neurobehavioral disorders. However, this fellowship is primarily for bench research and not for clinical research. Candidates should be permanent residents or US citizens. Salaries will be commensurate with NIH guidelines. A statement of interest, a CV and letters of reference should be sent to M. Mesulam, M.D., Department of Neurology, Beth Israel Hospital, 330 Brookline Avenue, Boston, MA 02215.

BioSurface Technology, Inc., a private company which is engaged in the culturing of epithelial cells for use as human skin grafts, is currently seeking qualified individuals to become part of its research and development group.

Senior Scientists

Candidates must possess a Ph.D in Epithelial Cell Biology and have a minimum of eight years post doctoral experience which demonstrates scientific excellence and leadership in research projects on cell culture, skin biology, or soluble factors and matrix macromolecules that modulate epithelial proliferation and differentiation. Successful candidates will lead projects aimed at increasing understanding of human epithelial cell biology and the clinical applications of cell culture technology.

Staff Scientists

BioSurface seeks applicants with a Ph.D and at least two years post doctoral experience in Epithelial Cell Biology or related fields. Successful candidates will participate in research projects on cell culture systems, the biology of the skin and clinical applications in the area of wound healing.

A position on the BioSurface team offers an exceptional opportunity to work with world leaders in cell biology on exciting aspects of epithelial cell research. BioSurface offers competitive salaries, a comprehensive benefits package and stock participation. Interested candidates should send a C.V. and salary requirements to Personnel Department, BioSurface Technology, Inc., One Kendall Square, Building 200, Cambridge, MA 02139.

BioSurface Technology, Inc.

EOE
GenBank™ Reviewer/Coordinator

IntelliGenetics offers the unique opportunity to work in two of the fastest growing areas in industry and research. It is the only company that combines the most sophisticated techniques in software development with applications in genetic engineering and other areas of biotechnology. Join with the leading producer of biotechnology software as we enter an exciting new phase of growth.

As the Reviewer/Coordinator for GenBank, the national repository of nucleic acid sequence data, you will serve as the liaison between the data collection/biological standards groups at the Los Alamos National Laboratories and the distribution group at IntelliGenetics. You will provide support to database users as well as create and edit manuals and release notes. In addition, you will be responsible for the design of author entry software.

A Ph.D. in molecular biology or a closely related discipline is essential for this key position, with one year of post-doctoral experience or equivalent preferred. Experience in designing relational database applications is desirable. Study or experience in systematics is a plus.

We offer a dynamic scientific environment with opportunity for growth. To be considered for this critical role, please forward your resume with salary history and requirements to:

Professional Staffing, IntelliGenetics, 700 East El Camino Real, Suite 300, Mountain View, California 94040.

An Equal Opportunity Employer, M/F/H/V

Principals only, please

Universities of Colorado Visiting Faculty and Postdoctoral Fellowships (1988-89)

For Research in:
- atmospheric chemistry
- analytical chemistry
- environmental chemistry, biochemistry and geochemistry
- atmospheric and climate dynamics
- remote sensing
- global change

at the Cooperative Institute for Research in Environmental Sciences (CIRES).

Five competitive fellowships will be awarded to recent Ph.D. recipients and to senior scientists, including faculty on sabbatical leave. Stipends average $26,500 for twelve months. Applications can begin at any time during the year. Selection of awardees is made in part on the likelihood of active interaction with CIRES scientists and other research groups in Boulder. Senior CIRES-affiliated scientists working in these fields include James Avery, Susan Avery, Ben Batsle, Roger Barry, John Bird, Henry Ditz, R. Ray Fall, Lang Farmer, Fred Fehsenfield, Alexander Goetz, Howard Hanson, William Hay, Murray Johnston, Bruce Koel, Eric Kraus, Uwe Radok, Colin Ramage, George Reid, Robert Sani, Russ Schell, Robert Sievers, and Harold Walton. Candidates are encouraged to contact one or more of the senior investigators as they are preparing their proposals. Apply to:

Prof. R. Sievers, Director, CIRES,
Visiting Fellows Program
University of Colorado, Campus Box 449
Boulder, CO 80309.

Include vitae, publications list, and brief outline of proposed research. Also request that three persons familiar with your qualifications send letters of recommendation. Junior applicants must submit undergraduate and graduate transcripts. First consideration will be given to applications received by December 1. Final application deadline is February 15.

The University of Colorado at Boulder has a strong institutional commitment to the principle of diversity. In that spirit, we are particularly interested in receiving applications from a broad spectrum of people, including women, members of ethnic minorities and disabled individuals.

FISH COMMUNITY ECOLOGIST

Northrop Services, Inc., is seeking applicants to develop and implement long-term research strategy in the area of regional ecological risk assessment. Research tasks include examining links among water quality, physical habitat, and fish and macroinvertebrate community quality. Other responsibilities include developing research and assessment methodologies and conducting field, laboratory, and data analyses. Research results will be reported in government and other journals.

Qualifications: PhD in Zoology, Ecology, or Fisheries and a broad ecological experience in sampling fish and macroinvertebrate communities. Experience must include developing research strategies and plans, conducting research projects, and technical report writing. Candidates must be knowledgeable about landscape ecology, aquatic biology, limnology, water pollution biology, and the statistical analysis of environmental data. A strong record of publications and presentations and experience with regional or statewide waterbody evaluations is required. Demonstrated scientific creativity and the ability to link research with environmental concerns and policy are highly desirable. Applicants must also enjoy working with an interdisciplinary team of scientists and technicians.

Send letter of application, three sample reprints, and resume to the address below. Attn. Susan Carey, please cite number (4550-013-87) in all correspondence. Closing date is November 20.

Northrop Services, Inc. is an Equal Opportunity Employer
POSTDOCTORAL FELLOW
Plant Molecular Biology
The Molecular and Cellular Biology Department of Zoeecon Research Institute, a division of Sandoz Crop Protection Corporation, is seeking a postdoctoral scientist to conduct basic studies in plant molecular biology.

The post doctoral fellow will have the opportunity to participate in projects dealing with molecular and genetic analyses of the plant cell cytoskeleton, gene regulation and genetic engineering. The position is available for two years.

Zoecon Research Institute has been a leader in innovative research programs for nearly 20 years. The Institute has established research programs in plant biotechnology, insect physiology/biochemistry & chemistry.

Our research laboratories are located in Palo Alto, California, in close proximity to Stanford University. Our postdoctoral fellows conduct their research in an open, academic-like environment which encourages publication and interaction with other scientists throughout the world.

To apply for this position, please send curriculum vitae and three references to:

Sandoz Crop Protection Corporation
Zoeecon Research Institute
Human Resources Department
973 California Avenue
Palo Alto, CA 94304-1164

AA/EQ

A NEW CANCER RESEARCH GROUP
DEVELOPMENT OF THE ONCOGENIC PHENOTYPE
As part of a major new Terry Fox initiative in cancer research, the Faculty of Medicine, Memorial University of Newfoundland, is seeking four individuals with experience in: oncogenes, viral oncology, growth factors, tumour markers, oncofetal genetics, molecular genetics. The intention is to recruit a junior person, who would have a major role in coordination and the appointment of the other members of the group. 4,000 sq. ft. of new laboratory space, major new equipment and start-up funds are available. Appointments will be tenure track; senior and junior candidates with a Ph.D. or M.D. are encouraged to apply now by submitting a curriculum vitae and the names of three referees to: Dr. C.H.J. Ford, Oncogenic Phenotype Search Committee, Health Sciences Centre, Memorial University of Newfoundland, St. John's, Nfld., Canada A1B 3V6. (709) 737-6714. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.

DEAN
University of Minnesota, Duluth
School of Medicine
The University of Minnesota invites nominations and applications for the position of Dean, School of Medicine, Duluth. The School of Medicine is a two-year program of medical education, including basic and clinical sciences.

The Dean is the chief executive officer of the School of Medicine with responsibility for leadership in planning and development, personnel administration, resource improvement and management, and in representing the School. The Dean will also be a tenured professor or a tenured associate professor within a department of the School of Medicine.

Qualifications include an earned doctorate in medicine or basic medical science and a minimum of two years administrative experience in an academic health setting. Applicant must also meet the qualifications for the rank of tenured professor or tenured associate professor.

Applications and/or nominations should be submitted by January 8, 1988, to:

Dr. Ellen T. Fahy, Chair
School of Medicine Dean's Search Committee
University of Minnesota, Duluth
10 University Drive
Duluth, Minnesota 55812

THE UNIVERSITY OF MINNESOTA is an equal opportunity educator and employer and specifically invites and encourages applications from women and minorities.

Diagnostic Imaging Research
The Diagnostic Imaging Division of our Medical Products Department has several openings for life sciences professionals to join our research group at our suburban Boston location. If you would enjoy working with a team of scientists on the design and development of diagnostic agents for cardiovascular and neurological disorder, we offer the following opportunities.

Pharmacologist
Our requirements include a Ph.D. in Pharmacology or Physiology with a strong background in cardiovascular physiology and pharmacokinetics. Experience in drug design and evaluation preferred.

Biochemist
Qualifications include a Ph.D. in Biochemistry or Pharmacology with 2-5 years of post-doctoral experience. A solid technical knowledge of intermediary metabolism, cardiac and neurophysiology is desirable.

Medical Physicist
Candidates should possess a Ph.D. (M.S. with 3-5 years experience would be considered) in the field of medical physics, medical imaging or a related field. Strong computer skills and a working knowledge of nuclear medicine, image analysis systems, and biology are essential.

If you would like to learn more about an exciting career with opportunity for challenge and growth with a Fortune 100 company, send your resume with salary requirements to Ms. Erin Moore, E.I. DuPont de Nemours and Co., 331 Treble Cove Road, N. Billerica, MA 01821. An Equal Opportunity Employer.

Academic Administrator
Biology
Manage operation of multi-disciplinary academic/research department. Requires skill in financial management, budgeting, undergraduate and graduate programs, computer/word processor literacy, and an understanding of research grants and laboratory requirements.

Please submit resume to Dr. K.C. Hayes, Brandeis University, Biology Department, Waltham, MA 02254.

BRANDEIS UNIVERSITY
An equal opportunity/affirmative action employer.

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POSITIONS OPEN

NEUROSCIENTISTS

Two ten-track positions are available at the assistant professor level in the Department of Anatomy and Neurobiology at the University of Connecticut. Applicants must have earned a Ph.D. in a neurobiological or related discipline and have a research record of at least two years postdoctoral training, and a strong record of research productivity and potential to establish an independent research program. Applicants must have demonstrated potential for interaction with faculty members already present and have given letters of reference in support of their application. Applications should be sent to: The Department of Anatomy and Neurobiology, University of Connecticut, 261 College St., Storrs, CT 06269. An Equal Opportunity/Affirmative Action Employer.

GENETICISTS

Positions available to study gene expression and the role of metalloenzymes in the control of gene expression at the molecular level. Applicants must have earned a Ph.D. in biochemistry or a related discipline and have demonstrated potential for interaction with faculty members already present. Applications should be sent to: Dr. A. J. Parson, Department of Biochemistry, University of Connecticut, 261 College St., Storrs, CT 06269. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF PHYSICS

Eastern Oregon State College (EOSC) invites applications for a tenure-track position at the assistant professor level starting in fall 1987. Applicants must have earned a Ph.D. in physics with a strong experimental background. Eastern Oregon State College is a dynamic institution that will continue to grow in the next few years. The College has a unique opportunity to attract students to these courses. Should be able to instruct a laboratory course in modern electronics instrumentation including microprocessors. Send a letter of application, resume, copies of college transcripts, and three recent (1985 to 1987) letters of reference to: Paul Stephens, Physics Search Committee, School of Arts and Sciences, Eastern Oregon State College, La Grande, OR 97850. Application deadline is 31 December 1987. EOSC is an Affirmative Action Equal Opportunity Employer.

PLANT ECOLOGIST

ASSISTANT PROFESSOR

The Division of Biology at Kansas State University (KSU) has a tenure-track position available at the assistant professor level effective September 1988. Although broadly defined, we are especially interested in plant ecologists with postdoctoral experience and expertise in one or more of the following: plant/consumer interactions, physiological ecology, plant evolutionary ecology, and soil/microbial interactions. The successful applicant will be expected to establish a vigorous research program on the 3,487-hectare Konza Prairie Research Natural Area near Manhattan, KS, and to participate in both undergraduate and graduate teaching. Candidates should apply by 7 December 1987 by submitting curriculum vitae, a brief description of future research plans, and having three letters of reference sent to:

Terry C. Johnson, Director
Division of Biology, Acker Hall
Kansas State University
Manhattan, KS 66506

KSU is an Equal Opportunity/Affirmative Action Employer.

PLANT GENETICIST

The Department of Botany, Louisiana State University (LSU), invites applications for a tenure-track position in plant genetics that was anticipated for August 1988. Preference will be given to candidates who have an experimental orientation and who complement current departmental programs. Responsibilities include developing an active research program, attracting graduate students and extra- mural funding, and teaching specialty and introductory courses. Applicants must have earned a Ph.D. and have three years postdoctoral experience. Review of applications will begin on 15 December 1987 and continue until the position is filled.

Ensure that curriculum vitae, a statement of research goals, and three letters of reference are sent to: Plant Geneticist Search Committee, Department of Botany, LSU, Baton Rouge, LA 70803-1706. LSU is an Equal Opportunity Employer.
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☐ Query: If you have a question, place your address label here and attach this form to your letter.

- To join or subscribe: Mail this form with your payment, mark the appropriate boxes, and print your name and address in the space below. (For renewals, attach label.)

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   - $97 Canada
   - $92 Foreign
   - $130 air-surface delivery via Holland

☐ Subscriber rates
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   - $130 Canada
   - $125 Foreign
   - $163 air-surface delivery via Holland

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Name

Address

City State Zip

SA16R7A

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ANALYTICAL PEPTIDE/PROTEIN CHEMIST

The Clayton Foundation Laboratories for Peptide Biology at The Salk Institute for Biological Studies, a multidisciplinary group investigating the chemistry, physiology and pharmacology of regulatory peptides, has an opening for an Analytical Peptide/Protein Chemist. The individual will be responsible for the sequencing of novel bioactive peptide/proteins and will also be expected to develop his/her own research program. Requires a PhD and relevant postdoctoral experience.

Academic title and salary will be commensurate with qualifications. Interested candidates should send a curriculum vitae and three letters of reference to:

Search Committee/JW
The Clayton Foundation Laboratories for Peptide Biology
The Salk Institute
P.O. Box 55800
San Diego, California 92138

Equal Opportunity Employer M/F/H/V

Associate Chemist

Smith Kline & French Laboratories is seeking an Associate Chemist for the Department of Pharmaceutical Research and Technologies located in suburban Philadelphia, near Valley Forge, PA.

Qualified applicants are required to have a B.S. in chemistry, biochemistry or pharmaceutical science with 1 to 2 years laboratory experience in organic chemistry or pharmaceutical science. Familiarity with kinetic studies, hands-on experience with common analytical procedures of organic chemistry (TLC, HPLC, GC) and spectrophotometry is highly desirable. Preference will be given to those who have experience with isolation and identification of organic compounds.

We offer an excellent compensation, benefits and relocation package as well as opportunities for personal and professional growth. For confidential review, please forward your C.V. and names of three references to: Mary Ann McCarr, Senior Employment Consultant - C0051, Smith Kline & French Laboratories, Research & Development, P.O. Box 1539, King of Prussia, PA 19406-0939. We are an Equal Opportunity Employer, M/F/H/V.

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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 for candidates who have demonstrated exceptional research promise at the postdoctoral or postdoctoral level. The emphasis of research in the Department is in the areas of neuroanatomy, neurophysiology, and molecular biology. Outstanding applicants will be invited for seminar presentations. The faculty of the Department and their research interests are:

Dr. Robert Blanks: Eye movement control.
Dr. Lyle Dearden: Growth in cartilage.
Dr. James Fallon: Chemical neuroanatomy.
Dr. Chris Gall: Chemical neuroanatomy, neural plasticity in development.
Dr. Roland Gioli: Visuomotor system.
Dr. Stewart Hendry: Immunocytochemistry.
Dr. Paul Isackson: Molecular neurobiology.
Dr. Edward Jones: Sensory-motor anatomy and physiology.
Dr. Leonard Kitzes: Auditory anatomy and physiology.
Dr. Charles Ribak: Epilepsy, neurotransmitters and circuits.
Dr. Richard Robertson: Organization of the forebrain.
Dr. John Swift: Spinal cord and peripheral nervous system.

Applications or inquiries for additional information should be sent to:
Dr. Edward G. Jones, Chairman
Department of Anatomy and Neurobiology
University of California
Med Surge II, Room 364
Irvine, CA 92717

AN AFFIRMATIVE ACTION EQUAL OPPORTUNITY EMPLOYER

ENDOWED PROFESSORSHIP IN CANCER OR IMMUNOLOGY

The University of Cincinnati and the State of Ohio have created an endowed professorship in the area of Mammalian Gene Regulation (Cancer) and/or Molecular Immunology. This professorship, named the Ohio Eminent Scholar, is designed to add an outstanding scientist to the Department of Microbiology and Molecular Genetics in the College of Medicine. The department has well established programs in molecular genetics and the Eminent Scholar will fulfill a pivotal role in expanding strength and interactions in the named area(s). The University of Cincinnati is a comprehensive university in the state system. Curriculum vitae should be sent to:

Dr. Jerry B. Lingrel
Department of Microbiology and Molecular Genetics
University of Cincinnati
College of Medicine
Cincinnati, Ohio 45267-0524

Affirmative Action/Equal Opportunity Employer

SHOWA UNIVERSITY RESEARCH INSTITUTE FOR BIOMEDICINE

Two positions are available:

1) Regulation of Gene Expression: molecular characterization of cis- and trans- effects in the regulation of gene expression, influences of foreign environment (for example in transgenic mice) on specific gene expression, developmental control of gene activation.

2) Molecular Immunogenetics: identification of regulatory factors that influence specific immune function, molecular characterization of developmental stage-specific regulation of immune function.

Showa University Research Institute is unique in its affiliation with a major Japanese Medical University. The Institute is located in a new facility with excellent individual laboratory and office space and centralized services. Investigators are allowed complete freedom to pursue research goals and while generous program support is provided, scientists are expected to secure extramural funding. Both postdoctoral and predoctoral opportunities exist. Candidates will be commensurate with experience and research accomplishments. Salary, fringe benefits and start-up support are excellent.

Candidates are requested to submit a brief description of their presently active research and a current research support statement. Send Curriculum Vitae and a list of publications to: Chairman, Search Committee, Showa University Research Institute, 1090 Roosevelt Boulevard, St. Petersburg, Florida 33716.

A not-for-profit organization/ equal opportunity employer.

FACULTY POSITIONS IN MOLECULAR BIOLOGY AND BIOCHEMISTRY

Applications are invited for tenure-track faculty positions at the assistant or associate professor level in the Department of Molecular Biology at the Northwestern University Medical and Dental Schools. Applicants should have a Ph.D. in molecular biology, biochemistry, genetics, or a related area or an M.D. or D.D.S. degree and also have several years of postdoctoral training. The successful applicants will be expected to establish vigorous independent research programs and to participate in the teaching of graduate, medical and/or dental courses and in the training of graduate and postdoctoral students. Applicants should send complete curriculum vitae, a brief description of previous and future research and teaching interests (three to four pages), a bibliography and reprints of significant published work or preprints of manuscripts in press, and recommendations from at least three references by 16 November 1987 to:

Dr. Robert H. Rownd
Professor and Chairman
Department of Molecular Biology
Northwestern University
Medical and Dental Schools
303 E. Chicago Avenue
Chicago, Illinois 60611

Northwestern University is an equal opportunity/affirmative action employer and invites applications from all qualified individuals.

Visiting Research Scientists
Enzyme Mechanisms

Several PhD level Visiting Scientist positions are available within the Enzyme Mechanisms group of Du Pont's Central Research and Development Department. The successful candidates will have research experience in enzymology, emphasizing kinetics, chemical and/or physical techniques, to elucidate enzymic mechanisms. These one-to-two-year temporary positions require proficiency in chemistry and enzymology. Experience with protein purification and characterization, organic synthesis, fermentation, biochemical spectroscopy and/or recombinant DNA techniques is desirable.

At the world renowned Du Pont Company you'll find a stimulating scientific environment in a modern research facility located near Wilmington, DE. We provide competitive compensation and relocation benefits. Our Mid-Atlantic location offers a wide range of academic, cultural and recreational activities. Interested candidates should send their resumes and references to: Professional Staffing, Employee Relations Department, Room X50938, Du Pont Company, Wilmington, DE 19898.

U.S. Citizenship or Permanent Visa Required
An Equal Opportunity Employer M/F/H/V
Senior Research Endocrinologist
(Physiologist/Pharmacologist)

The LILLY RESEARCH LABORATORIES, a division of Eli Lilly and Company, is seeking highly qualified candidates for a Senior Scientist position in the Endocrinology Research Division.

Applicants must have a doctoral degree in physiology/pharmacology with at least two years postdoctoral training. The Senior Scientist will be expected to use existing in vivo animal models as well as develop new in vivo animal models to study the effects of novel therapeutic agents for use in the treatment of metabolic abnormalities such as diabetes. A strong background in intermediary metabolism or carbohydrate and lipid homeostasis is required.

Qualified candidates should send their curriculum vitae to:

John W. Crooks
Manager, College Relations (SRE)
Eli Lilly and Company
Lilly Corporate Center
Indianapolis, Indiana 46285

Equal Opportunity Employer

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HEAD, DEPARTMENT OF BIOLOGY
EASTERN MICHIGAN UNIVERSITY

A twenty-one member department offering B.S. and M.S. degrees seeks an individual with demonstrated leadership capabilities and a strong background in teaching, a record of research publication, and success in attracting external funding. Successful administrative experience, a broad biology background, and computer experience are preferred. A Ph.D. in the Biological Sciences and 5 years of college teaching experience are required. Eastern Michigan University, a state university with an enrollment of 23,000 students, is located in Southeastern Michigan. A cover letter, a vitae, and 3 letters of recommendation must be received by December 4, 1987. Send materials to: Position DH-B, P.O. Box 920 - Human Resources, Eastern Michigan University, Ypsilanti, MI 48197.

We take pride in the pursuit of our affirmative action objectives and encourage qualified women and minorities to consider this opportunity.

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RESEARCH SCIENTIST
CELLULAR & MOLECULAR PHARMACOLOGIST
NEUROBIOLOGIST

Nelson Research, a wholly-owned subsidiary of Ethyl Corporation, situated on the campus of the University of California at Irvine, is a pharmaceutical research firm committed to the discovery and development of new drugs. The Company currently has an opening for a Pharmacologist.

The successful candidate will be involved in:
- Quantitative characterization of receptors for signal molecules such as hormones and neurotransmitters.
- Development of in vitro assays in various tissues to evaluate the specificity and efficacy of new chemical entities developed by the company.
- Coordination of various programs in discovery research with academic and industrial scientists worldwide.

Qualified candidates will have a Ph.D. with 3 or more years postdoctoral experience in pharmacology or neurobiology. Industrial pharmaceutical experience is desirable.

Excellent oral and written communication skills are essential.

Nelson Research offers a professional environment and competitive salary and benefits. Interested candidates may send resume with salary history to:

Personnel Manager
Nelson Research
1001 Health Sciences Road West
Irvine, CA 92715

An Equal Opportunity Employer
POSTDOCTORAL POSITION available immediately to study the structure and biology of human autonomic nervous system and cell proliferation and cell division. Current projects focus on analysis of PCNA, a subunit of DNA polymerase delta, and on human melanoma cells. Applicants should have a Ph.D. degree with a strong background in molecular or cellular biology. Support available at NIH scale. Send curriculum vitae and three letters of reference to: Dr. J. A. Winter, Department of 928A Chemistry, Building University of Missouri (UMC), Columbia, MO 65201. Telephone: 314-882-5006. UMC is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available in laboratory investigating molecular mechanisms of insulin action. Specific project is cloning, expression, and analysis of a gene for an insulin-sensitive phospholipase C (PNAS 84, 2663 (1987)). Experience in molecular biology techniques useful. Send curriculum vitae and names of three references to: Dr. J. A. Winter, Department of Medicine, Columbia University, 630 West 168th Street, New York, NY 10032. Columbia University takes Affirmative Action to ensure Equal Opportunity.

POSTDOCTORAL POSITION available to study the transcriptional activation of the CR gene and the subsequent repression of the CR gene by the cooperative binding of the CR protein to adjacent operator sites in the divergent-overlapping CR-CR promoter region of Eucalyptus coli (R. Wek and G. W. Rees-Jones, submitted). Applicants trained in either protein chemistry or molecular genetics seeking additional training in either of these cognate areas are encouraged to apply. UCI is located in a coastal area of Southern California. Send inquiries to: G. Wesley Hatfield, Ph.D. Department of Microbiology and Molecular Genetics University of California Irvine Irvine, CA 92717 An Affirmative Action/Affirmative Action Employer

POSTDOCTORAL POSITIONS available immediately to study the effects of anesthetics on axonic brain damage using the in vitro hippocampal slice as a model system. Experience in electrophysiological recording from nervous tissue is desirable. The goal of the project is to elucidate the mechanism by which anesthetics protect against axonic damage. Applicants should send their curriculum vitae, a letter describing their background and interests, and provide three letters of recommendation to: Dr. Ira Kass, Box 6, Anesthesiology Department, State University of New York Health Science Center 450 Clarkson Avenue, Brooklyn, NY 11203. Equal Opportunity/Affirmative Action Employer, DMC #C-0129.

POSTDOCTORAL POSITIONS at the Dana-Farber Cancer Institute, Harvard Medical School, available immediately to develop experimental therapy for melanoma. Areas of concern will include: drug development, biology/biochemistry of melanoma including studies of oncogene involvement in melanoma, and the molecular biology of replication. Applicants are encouraged to have completed the training in one or more of the following areas is desirable: biochemistry, cell biology, gene cloning, pharmacology, and chemistry. Possible joint appointment at Harvard Medical School: salary $25,000 per year plus benefits. Positions can be renewed for up to 3 years. Send curriculum vitae and names/addresses of three references to: Dr. Michael Wick, Associate Professor, Department of Dermatology and Division of Medicine, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115. An Equal Opportunity Employer.

POSTDOCTORAL POSITION in biology at M.I.T. available immediately for studies on translational control of eukaryotes with emphasis on regulation of protein chain initiation by phosphorylation-dephosphorylation mechanisms. Specific aspects focus on the roles of mRNA-activated and heme-regulated eIF-2a kinases, and on the function of 'reversing factor' in the recycling of eIF-2. Contact: Dr. Daniel Levin, Building E215-S19, Massachusetts Institute of Technology, Cambridge, MA 02139. Telephone: 617-253-4747.

POSTDOCTORALPOSITION open immediately to study the metabolism/toxicity of natural products and the toxic effects of synthetic compounds. One position will involve drug development and oncogene expression. Applicants should have a Ph.D. in biochemistry/toxicology or pharmacology with training in organic or physical chemistry. Relevant publications and names of three references to: Dr. H. J. Segall, Department of Veterinary Pharmacology and Toxicology, University of California, Davis, CA 95616. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORALRESEARCHASSOCIATE available immediately for studies involving cytochrome-induced gene expression. Experience in molecular or cell biology construction is essential, a plant background is preferred. Send resume and three letters of recommendation to: Dr. J. A. Winter, Department of Chemistry, Building University of Missouri (UMC), Columbia, MO 65201. Telephone: 314-882-5006. UMC is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available in labora- tory investigating molecular genetics. Applicants trained in either protein chemistry or molecular genetics seeking additional training in either of these cognate areas are encouraged to apply. UCI is located in a coastal area of Southern California. Send inquiries to: Dr. M. W. Rees-Jones, Department of Medicine, Columbia University, 630 West 168th Street, New York, NY 10032. Columbia University takes Affirmative Action to ensure Equal Opportunity.

POSTDOCTORAL RESEARCH ASSOCIATE available immediately for studies involving the extracellular matrix cell components by normal and mutant tissues, both in vivo and in vitro. Send curriculum vitae and the names of three references to: Dr. L. D. Stram, Department of Ophthalmology, University of Pennsylvania, 51 North 39th Street, Philadelphia, PA 19104.

POSTDOCTORAL RESEARCH ASSOCIATE POSITION available immediately to study the influence of the extracellular matrix on cell differentiation. Ph.D. in biochemistry or cell biology preferred. Interested person should send curriculum vitae, a brief summary of their research experience with the names of three references to: Dr. Sharon Luikart, Department of Medicine, University of Minnesota Hospital and Clinics, Minneapolis, MN 55445.


POSTDOCTORAL POSITION available immediately to study the effects of anesthetic on axonic brain damage using the in vitro hippocampal slice as a model system. Experience in electrophysiological recording from nervous tissue is desirable. The goal of the project is to elucidate the mechanism by which anesthetics protect against axonic damage. Applicants should send their curriculum vitae, a letter describing their background and interests, and provide three letters of recommendation to: Dr. Ira Kass, Box 6, Anesthesiology Department, State University of New York Health Science Center 450 Clarkson Avenue, Brooklyn, NY 11203. Equal Opportunity/Affirmative Action Employer, DMC #C-0129.

POSTDOCTORAL POSITION in MOLECULAR GENETICS Available January, 1988—research and training in human molecular genetics. Applicants involved in biochemistry or molecular biology. Funding available for 3-year period, M.D.s or Ph.D.s encouraged to apply. Send curriculum vitae to: Petros Tsipouras, M.D. Division of Human Genetics, LS076 University of Connecticut Health Center Farmington, CT 06032 An Affirmative Action/E qual Opportunity Employer

POSTDOCTORAL POSITION—PHYSIOLOGY UNIVER SITY OF MINNESOTA Postdoctoral positions in motor control neurophysiol- ogy available immediately to participate in ongoing studies on computational aspects of movement control. The research will involve studies on the organization and control of limb movements in three-dimensional space and/or information processing in the spinal cord. Applicants should have quantitative training in one of the following areas: neurophysiology, biomechanics, or cogni- tive neuroscience. Send curriculum vitae and names of three references to: Dr. John Soechtingor Richard Poppe- lovely, Laboratory of Neurophysiology, 625-25 Millard Hall, 435 Delaware Street, SE, University of Minne- sota, Physiology Department, Minneapolis, MN 55455. The University of Minnesota is an Equal Opportunity Educator and Employer and specifically invites and encour- ages applications from women and minorities. Applicants should submit curriculum vitae, representative publica- tions, and the names of three references to: Dr. John Soechting or Richard Poppe- lovely, Laboratory of Neurophysiology, 625-25 Millard Hall, 435 Delaware Street, SE, University of Minne- sota, Physiology Department, Minneapolis, MN 55455. The University of Minnesota is an Equal Opportunity Educator and Employer.

POSTDOCTORAL TRAINING IN MEMBRANE DIFFRACTION METHODS A postdoctoral position is available for a Ph.D. scientis t with strong background in crystallography or physics who wishes to gain experience in diffraction methods in the context of lipid bilayer and cell membrane systems. The laboratory specializes in X-ray crystal- lization, neutron diffraction, and NMR studies of peptide/bilayer interactions. The position is available immediately. Mi nority and women applicants are encouraged to apply. Interested candidates should submit curriculum vitae, representative publications, and the names of three references to: Professor Stephen H. White, Chairman, Department of Physi olgy and Biophysics, College of Medicine, University of California, Irvine, CA 92717. The University of California, Irvine is an Affirmative Action/Equal Opportunity Employer.

PRESIDENT OREGON HEALTH SCIENCES UNIVERSITY Nominations and applications are invited for the posi tion of President of the Oregon Health Sciences Univer- sity located in Portland. The Oregon Health Sciences University is a free-standing university with schools of medicine, dentistry, and nursing; established research centers and the biomedical teaching hospital. It is one of eight public colleges and universities that comprise the Oregon State System of Higher Educa- tion. The University provides an excellent living and working environment, with competitive salaries and benefits. Nominations and applications must be submitted by 15 November 1987 to Presidential Search Committee, L-900, Oregon Health Sciences University, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201. Further information may be obtained by calling 503-279-5939.

712 SCIENCE, VOL. 238
ATTENTION
Women Employed in Staff Member (SM) or Technical (TEC) Series positions at Los Alamos National Laboratory
Between July 31, 1979, and September 1, 1984
The U. S. District Court has approved the settlement of a sex-discrimination class action.

YOU HAVE THREE (3) OPTIONS:
Participate in the settlement by filing a Statement of Claim form... You will receive the money to which you are entitled under the settlement agreement.
* You will be bound by the settlement agreement.
File a Request for Exclusion form... You will be excluded from the settlement funds. You will not be bound by the settlement agreement.
Do nothing... You will be excluded from the settlement funds. You will be bound by the settlement agreement.

To obtain the Statement of Claim or Request for Exclusion form, send your name and current address to:
Special Master -- Atkinson & Co., Ltd.
Janet E. Wing Class Action
P. O. Box 25246
Albuquerque, New Mexico 87125

Associate Scientist, Molecular Biology
Applied Biosystems manufactures and markets automated instruments, a wide range of chromatography columns and components, and several hundred associated chemicals for biotechnology research and related applications.

At its Foster City location the company has an opening for a Molecular Biologist to assist in the development of a separation system for nucleic acids. This position requires a Ph.D. in Molecular Biology or a related field with one or more years of postdoctoral experience in recombinant DNA technology. Candidates should be interested in methods development and have demonstrated skills in molecular cloning, preparing and screening genomic and cDNA libraries, site-directed mutagenesis, and restriction mapping. Experience with artificial yeast chromosomes and pulsed-field electrophoresis is highly desirable.

The ideal candidate is innovative, self-motivated, and possesses good communication skills to work with a multi-disciplinary team. Publication in professional journals is encouraged.

Applied Biosystems offers attractive compensation, benefits and growth opportunity.

Send resume to:
Human Resources Department
Applied Biosystems
850 Lincoln Centre Drive, Foster City, CA 94404
An Equal Opportunity Employer

The Bristol-Myers Pharmaceutical Research and Development Division has an excellent career opportunity for a Drug Regulatory Affairs professional at its Syracuse, NY location. Reporting to the Associate Director of Regulatory Affairs, the selected candidate will be responsible for providing broad, highly skilled technical expertise in the areas of chemistry, pharmacy, manufacturing and controls for a broad spectrum of products including synthetic and biological-derived compounds. Will also handle worldwide regulatory affairs submissions for both clinical and marketing applications related to the above areas.

To qualify, you will need an advanced degree in Life or Physical Sciences, preferably with background in the manufacture and quality control of recombinant DNA and hybridoma technology, and strong scientific skills. Knowledge of regulatory affairs a plus.

We offer a competitive compensation package and a comprehensive benefits program which includes relocation assistance to a superb upstate NY living area. Interested candidates should submit a resume with salary requirement, in confidence, to: EMPLOYMENT MANAGER.

BRISTOL-MYERS COMPANY
RESEARCH AND DEVELOPMENT DIVISION
P.O. Box 4755, Syracuse, New York 13221-4755
An equal opportunity employer M/F/H/V
POSTDOCTORAL TRAINING IN CLINICAL CHEMISTRY, Effective 1 July 1988, for an R&D scientist or physician interested in a career as laboratory director in academic Laboratory Medicine. Our 2-year program provides practical experience in clinical chemistry laboratories and extends relevant basic scientific knowledge.

Deadline: 1 December 1987. Write to: Margaret Kemeny, Ph.D. Department of Laboratory Medicine University of Washington S.B. 19 Seattle, WA 98195

An Equal Opportunity/Affirmative Action Employer

POSTDOCTORAL RESEARCH ASSOCIATE—Position available for an electrophysiologist to characterize the properties of central axons which have regenerated along peripheral nerve implants. Preference given to applicants experienced in spinal cord physiology and/or electrophysiological techniques. Please send curriculum vitae with names of three references to: Dr. Julia K. Teras, Microsurgical Research Center, Eastern Virginia Medical School, 700 Olney Road, Norfolk, VA 23507.

PRINCIPAL RESEARCH TECHNICIAN BIO-TECHNOLOGY: Technician for a service laboratory dedicated to the preparation and purification of monoclonal antibodies for researchers in biotechnology. Applicant should have B.S. (M.S. preferred) or extensive equivalent work experience. Experience should include preparation of monoclonal antibodies, preparation and culture of cell lines, production (in vitro and in vivo) and purification of antibody, and/or dependent on experience. Send résumé including names of three references to: Dr. Steven D. Aust, Director, Biotechnology Center, Utah State University Logan, UT 84322. Closing date 15 November 1987. Utah is an Affirmative Action/Equal Opportunity and Immigration Reform and Control Act Employer.

TWO PROFESSORS (ANY LEVEL): The Massachusetts Institute of Technology Department of Chemistry seeks two professors for July 1988. Outstanding candidates in the areas of biological, inorganic, organic, and materials chemistry are encouraged to apply. Send curriculum vitae, publication list, and research plan, and arrange to have three letters of recommendation sent to: Professor Peter D. Bartlett, Department of Chemistry, 18-399 Massachusetts Institute of Technology, Cambridge, MA 02139. MIT is an Equal Opportunity/Affirmative Action Employer and encourages applications from minorities and women.

PROFESSORSHIP IN PROTEIN AND MACROMOLECULAR STRUCTURE AND FUNCTION at the Enzyme Research and the Department of Biochemistry, University of Wisconsin-Madison. Applications are invited for initial appointment at any level. The position will be tenured or tenure-track, depending on rank at initial appointment, and is jointly sponsored by the Institute for Enzyme Research in the Graduate School and the Department of Biochemistry in the College of Agricultural and Life Sciences. This position is part of a larger effort to develop a structural biochemistry group in the Institute for Enzyme Research, the Chemistry Department, the Department of Chemistry, and the Institute for Molecular Virology. The individual appointed will develop a research program involving the applications of diffraction methods (single-crystal x-ray, neutron, optical) and other physical approaches to structure-function analysis of proteins, and will participate in the instructional program of the Department of Biochemistry. The Institute for Enzyme Research will provide generous research space and support for equipment, and the Department of Biochemistry will provide access to graduate instructional programs. Application letters, curriculum vitae, a statement of research plans and three letters of reference should be directed to: Professor Peter D. Frey, Institute for Enzyme Research, University of Wisconsin, Madison, WI 53705. To assure consideration, applications should be completed by 30 November 1987. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.
PROGRAM

CAREER CHANGE OPPORTUNITY

This unique program offers the candidate with an earned doctorate in the sciences the opportunity to obtain a doctor of optometry (O.D.) degree in two calendar years. Employment opportunities exist in private practice, industry, education, and research. Contact: Ph.D.-O.D. Program Director, University of Wisconsin-Oshkosh.

The New England College of Optometry, Room 14, 424 Beacon Street, Boston, MA 02115.

CONFERENCES

PLANT NITROGEN METABOLISM: AN INTERNATIONAL SYMPOSIUM

The Phytochemical Society of North America (PSNA) will hold its 26th Annual Meeting at the University of Iowa, Iowa City, 26 to 30 June 1988. The meeting will feature a Symposium on recent developments in primary and secondary nitrogen phytochemistry as well as contributed oral and poster sessions in all areas of phytochemistry. Speakers include: D. G. Blevins (Missouri), J. S. Pate (Perth, Western Australia), P. J. Lee (Lancaster, UK), A. Kleinhofs (WSU), D. Rhodes (Purdue), D. L. Shaner (American Cyanamid), S. F. Yang (Davis, CA), T. O. Okita (WSU), L. Fellows (Kew, UK), E. Flores (LSU), M. H. Zenk (Munich). For information and registration forms, contact: Dr. J. E. Poulton, Botany Department, University of Iowa, Iowa City, IA 52242.

REQUEST FOR PROPOSALS

RESEARCH CENTER GRANTS

The RP Foundation Fighting Blindness plans to take part in the establishment of one or more additional centers for the study of retinitis pigmentosa, Usher's syndrome, macular degeneration, and allied hereditary degenerations of the retina. Grants for research support are invited. Center programs should be directed toward an understanding of the cause of one or more types of retinal degeneration by means of basic studies on the retina, especially as concerns photoreceptors and pigment epithelial cells. Deadline for submission of proposals is 1 March 1988. Further details and application instructions can be obtained from: Jeanette S. Felix, Ph.D., Director of Science, RP Foundation Fighting Blindness, 1401 Mt. Royal Avenue, Baltimore, MD 21217; Telephone: 301-225-9400.

TRAINING PROGRAMS

TRAINEE SHIPS, Medical Scientist Training Program offers $9000 stipends for studies leading to combined M.D./Ph.D. degrees in each of the basic biomedical sciences. A new Laboratory of Cellular Biology is now open. Contact: Director, Medical Scientist Training Program, College of Graduate Studies, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425.

POSTDOCTORAL TRAINING IN IMMUNOBIOLOGY AND NEUROBIOLOGY OF AGING RESEARCH CENTER GRANTS OF SCRIPPS CLINIC

The Aging Training Program is accepting applications from qualified candidates wishing to develop research careers. The program offers 2 to 3 years of postdoctoral training in one of nine laboratories, covering basic research on the effects of aging on the immune and nervous systems as well as the impact of immunopathology, neurodegeneration, and viral infections on the development of disabilities associated with aging. This program is supported by NIH/NIAGANTE. Candidates must be U.S. citizens or permanent residents. Staff includes Drs. Floyd Bloom, Frank Dixon, Cindy Ethelms, Norman Kliman, Linda Sherman, Michael Oldstone, Marilyn Thoman, William Weigle, and Curtis Wilson. Applications may be submitted to Ph.D. Program Director: Dr. R. N. Klaiman, Department of Immunology, Scripps Clinic, 10500 Sanders Street, San Diego, CA 92121.

An Affirmative Action/Equal Opportunity Employer.

LITERATURE SEARCH

The Getty Conservation Institute is concerned with the protection and preservation of stone by consolidation with polymers. A temporary polymer coating is the proper selection of a solvent to carry polymer into stone. As part of our effort in this field we would like to list information on polymerization. Interested parties interested in responding should send for the solicitation package. Applicants should have access to the area of expertise and a basic understanding of liquid-solid interactions. Send inquiries to: Solvent Program, The Getty Conservation Institute, 4503 Glencoe Avenue, Marina Del Rey, CA 90292-6537.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP

A vacancy exists for a postdoctoral fellow interested in studying the regulation of immunity to tumor transplantation antigens and histocompatibility antigens. Applicants should have basic training in immunobiology. Starting salary will be $18,500 plus liberal fringe benefits. Subsidized Institute housing is available.

The Trudeau Institute is a private, not-for-profit, basic medical research institution located on the shore of Saranac Lake and near Lake Placid, New York. Send curriculum vitae and names of three references to: Dr. Robert J. North, Director, Trudeau Institute, Inc. P.O. Box 59 Saranac Lake, NY 12983.

POSTDOCTORAL FELLOWSHIP OPENING

The postdoctoral fellow will provide leadership for an ongoing research effort to develop an efficient regeneration and transformation system for soybean. Candidates should have a Ph.D. in genetics, plant, cellular, and molecular biology or a closely related field. Send curriculum vitae and three letters of recommendation to: Dr. G. B. Collins, Agronomy Department, University of Kentucky, Lexington, KY 40546-0091.

POSTDOCTORAL FELLOWSHIP—A position is available with 3 years of funding for a person experienced in molecular biology, cDNA cloning, and biochemical purification of low molecular weight growth factors, to study the effects of x-irradiation on gene expression and platelet-platelet manifestation. Please send curriculum vitae and three letters of recommendation to: Joel S. Greenberger, M.D., Department of Radiation Oncology, University of Massachusetts Medical Center, 55 Lake Avenue North, Worcester, MA 01615. Equal Opportunity/Affirmative Action Employer.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP NEUROTRANSMITTER RECEPTORS TO STUDY THE FUNCTIONAL RESPONSES (CHANNEL OPENING AND DESENSITIZATION) OF NEUROTRANSMITTER-RECEPTOR INTERACTIONS USING DENDRITIC CELLS IN PRIMARY CULTURE. Projects include the study of GABA receptor, glutamate receptor and acetylcholine receptor. The position will be supported by the University of Missouri-Columbia. Write: Dr. Derek J. Cash, Neurochemistry Unit, Department of Biochemistry, University of Missouri-Columbia, School of Medicine, 920 E. 12th Street, Columbia, MO 65210. Equal Opportunity/Affirmative Action Employer.

DOCTORAL FELLOWSHIPS IN MOLECULAR BIOLOGY

The University of Illinois announces the availability of Ph.D. graduate fellowships for interdisciplinary training in molecular biology of infectious diseases and the physiology of growth/reproduction. Successful candidates will have the opportunity to study and work with faculty in the departments of animal science, biochemistry, microbiology and veterinary pathology. Faculty interests encompass basic and applied research in molecular genetics of bacteria, viruses, and parasites as well as molecular immunology and genetics of growth/reproduction. The curriculum includes the basic biological sciences as well as an opportunity for instruction in our campus-wide Genetic Engineering and Hybridoma/Flow Cytometry laboratories.

To qualify, individuals must be a U.S. citizen with an excellent scholastic record and have a B.S. degree in some science. Postbaccalaureate training or other relevant experience will be considered. Individuals with D.V.M. or M.D. degrees are also encouraged to apply. The supported fellows will receive a 12-month stipend of $15,000 plus tuition and fee waiver.

Applications will be considered at any time for the 1987-1988 academic year. Interested applicants should forward resumes and three letters of reference to: Dr. Wayne A. Tompkins, Department of Veterinary Pathobiology, University of Illinois, 201 South Lincoln Avenue, Urbana, IL 61801.

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

HOWARD HUGHES MEDICAL INSTITUTE 1988 DOCTORAL FELLOWSHIPS IN BIOLOGICAL SCIENCES

Howard Hughes Medical Institute will award 60 doctoral fellowships in national competition administered by the National Research Council. The Institute welcomes all qualified applicants and strongly encourages women, minority, and disabled professionals to apply.

ELIGIBILITY: Applicants may be citizens or nationals of the United States or foreign nationals. Awards will be made for research-based doctoral programs in cell biology and regulation, immunology, genetics, neuroscience, and structural biology. Applicants must not have completed, including the current term, more than 24 semester hours, 36 quarter hours, or equivalent, of graduate study. Individuals who are pursuing or who hold the M.D., D.V.M., or D.D.S. degree and want to undertake a research career in the medical sciences are exempt from the foregoing restriction. Foreign nationals for whom English is not the primary language must submit scores from the Test of English as a Foreign Language (TOEFL).

STIPEND AND ALLOWANCES: The fellowships will be for 3 years, renewable for two additional years at the Institute's discretion. Each award includes an annual stipend of $12,300 (for 12-month tenures) to the Fellow, and an annual cost-of-education allowance of $10,000 (for all three years). Also available are additional support of all travel costs.


FOR INFORMATION, Telephone: 202-334-2872 or write: Howard Hughes Medical Fellowships, The Fellows Program, Howard Hughes Medical Institute, 2000 E St., N.W., Washington, DC 20001.
More than 35 AIDS-related products—with the sensitivity and specificity you need for fast, accurate results. And, a team of scientists ready to help.

- **Purified HIV DNA and RNA Probes** eliminate time-consuming preparation procedures. For *in situ* hybridizations and blot studies of the HIV virus. Superior sensitivity (1 x 10^5 copies of target DNA or 500-1000 infected H-9 cells detected in a 24-hour exposure in dot blot experiments) and negligible cross-reactivity with non-HIV DNA (usually less than one percent) ensure rapid, dependable results.

- **HIV p24 Antigen ELISA and RIA Kits** for up to 1000 times the sensitivity of reverse transcriptase assays. Detect and quantify HIV structural core protein in infected culture samples and serum/plasma with no cross reactivity to other human or viral proteins.

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- **HIV Western Blot Kit** uses a Biotin-Avidin system for enhanced signal amplification. A conjugate of Biotin-labeled goat anti-IgG binds readily to antigen-antibody complexes. An HRP-labeled Avidin substrate, with its exceptionally high affinity for Biotin, "tags" these complexes.

Other virus-specific ELISA Kits, nucleic acid probes and monoclonal antibody products are available for HTLV-I, CMV, EBV, HSV, and HBV. Each brings to your research the benefit of state-of-the-art technology.

These AIDS-related products are among more than 2000 provided by Du Pont to assist you in molecular genetics, protein and virology research. Access Du Pont's AIDS-Related Research Team at 1-800-551-2121. In Canada, call 416-498-9380. Or write: Du Pont Company, Biotechnology Systems, BRML, G-50804, Wilmington, DE 19898.

**Working Knowledge in Biotechnology**

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