 Positions Open

ASSISTANT PROFESSOR OF BIOCHEMISTRY AND/OR MEDICINAL CHEMISTRY. The primary responsibility is to teach required biochemistry and medicinal chemistry courses. The Ph.D. degree is required, ideally earned in biochemistry or medicinal chemistry. An individual who can span both disciplines will be favored. An undergraduate degree in pharmacy is preferred, but not required. Applicant selection process starts immediately. Inquiries and applications should be sent to: Thomas A. Gossel, Ph.D., Director, and Chairman, Department of Pharmacology and Biochemistry, Yale School of Medicine, 333 Cedar Street, Box 3333, New Haven, CT 06510. Qualified applicants would be expected to develop an independent research program and to participate in teaching at both the undergraduate and graduate levels.

Yale University is an equal opportunity/affirmative action employer.

Wright State University

The Division of Urology, University of California, Los Angeles (UCLA) School of Medicine is recruiting a urologist to join the faculty as an ASSISTANT PROFESSOR. Applicants must be Board-certified or -eligible in urology and have expertise in male and female urology. Activities will be divided between the UCLA Medical and the VA Medical Center, West Los Angeles. Experience in male and female pelvic pain and prostatic disease is desired. UCLA and its affiliated institutions are Equal Opportunity and Affirmative Action Employers. Applicants should submit curriculum vitae to: Chief, Division of Urology, School of Medicine, Los Angeles, CA 90024-1738.

The Department of Physiology and Biophysics at Wright State University is accepting applications for a tenure-track ASSISTANT PROFESSOR position in the general area of respiratory physiology (including respiratory control and systems physiology, airway cellular physiology, and hyperbaric physiology). The department is committed to maintaining a diverse, multicultural, and collegial environment. Applicants must have a Ph.D. and/or M.D. and two or more years of postdoctoral experience. The successful candidate will be expected to develop a strong, independent research program and to participate in teaching both medical and graduate students. Available positions are in our Biomedical Sciences Graduate Program, with an emphasis in the field of respiratory physiology starting date is July 1, 1991. Send curriculum vitae, list of publications, statement of research interests, and names of three references to: Dr. Peter K. Lauf, Professor and Chair, Department of Physiology and Biophysics, Wright State University, Dayton, OH 45435. Wright State University is an affirmative action/equal opportunity employer. Women and minorities are encouraged to apply.

PLANT VIROLOGIST. Applications are invited for a 12-month, tenure-track (approximately 80% research, 20% instruction) ASSISTANT OR ASSOCIATE PROFESSOR position in the Department of Plant Pathology. A Ph.D. in plant pathology or related discipline, and significant research experience with a virus-host plant system are required. Applicants should have training and experience with molecular approaches for the study of plant viruses and virus diseases. Examples of appropriate specializations include molecular basis of pathogenesis, mechanisms of host resistance, virus replication, organization and expression of viral genomes, and development of transgenic resistance in plants. The successful applicant will be expected to establish a research program and teach a graduate-level virology course. Involvement in virus disease identification and control is expected. Applicants should send curriculum vitae, original transcripts, a complete list of publications, reprints of publications during last 5 years, list of honors and awards, and any other information which reflects professional achievements, and four letters of reference to: Wiley N. Garrett, Head, Department of Plant Pathology, University of Georgia, Athens, GA 30602. Applications will be accepted until 15 March 1991. Position is available 1 July 1991. The University of Georgia is an Equal Opportunity/affirmative action Institution.

The Department of Molecular Biology at the University of California, Berkeley, invites applications for faculty positions at the level of ASSISTANT PROFESSOR. Application deadline is 1 October 1991. Candidates with specialization in the following fields are sought: zoology and comparative vertebrate anatomy, and plant taxonomy. Applicants should hold the Ph.D. degree and be expected to conduct research and teach at the undergraduate level. Postdoctoral experience is preferred. Appointments are normally made for a 3-year period. (U.B. is on the third floor of the Department of Biophysics/Wright State University, 333 Cedar Street, Box 3333, New Haven, CT 06510. Qualified applicants would be expected to develop an independent research program and to participate in teaching at both the undergraduate and graduate levels.

Yale University is an Equal Opportunity Employer and invites applications from all qualified individuals.
POSITIONS OPEN

ASSISTANT PROFESSOR, MICROBIOLOGY

Applications are invited for a tenure-track position in microbial molecular biology/physiology. Research interest and postdoctoral experience interfacing with faculty in molecular biology, microbial physiology, and microbial ecology. Teaching responsibilities in introductory microbiology courses including virology and advanced course/sequence in area of specialization. Applicants must provide curriculum vitae, reprints, concise statement of research goals, and have three letters of recommendation sent to: Microbiologist Search Committee, Department of Biological Sciences, University of Wisconsin—Milwaukee, P.O. Box 413, Milwaukee, WI 53201. Closing date: 8 February 1991.

The University of Wisconsin—Milwaukee is an Affirmative Action/Equal Opportunity Employer.

MEDICAL PARASITOLOGIST

The Division of Parasitology in the Department of Preventive Medicine at the University of Mississippi Medical Center invites applications for a tenure-track faculty position at the rank of ASSISTANT PROFESSOR beginning fall 1991. A Ph.D. is required, preferably with postdoctoral training. Activities include teaching parasitology with ample time for research. Send curriculum vitae, description of research, and three letters of recommendation to: Dr. William B. Lashbaugh, Department of Preventive Medicine, University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216. Equal Opportunity/Affirmative Action Employer, M/F/H/V.

Academic Child Neurologist, University of California, Los Angeles (UCLA). The Division of Pediatric Neurology at UCLA has a university-supported, renewable position available at the ASSISTANT PROFESSOR level. Candidates should be Board-certified or -eligible in neurology with special qualification in child neurology. This is an exceptional opportunity for a scientist to develop a basic research program in early human neurodevelopment and/or epilepsy. The successful candidate may collaborate with many UCLA neurologists and the UCLA Pediatric Epilepsy Research Group, which includes a surgery program for catastrophic childhood epilepsy. Please contact: W. Donald Shields, M.D., Chief, Division of Pediatrics Neurology, UCLA School of Medicine, Los Angeles, CA 90024–1752. UCLA is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

MONTCLAIR STATE COLLEGE

TOXICOLOGIST: ASSISTANT PROFESSOR (V-10). The Department of Biology is seeking a colleague to coordinate its B.S. program in toxicology. Responsibilities include: teaching courses in toxicology, molecular biology, general education biology courses, toxicology student advisement, development of an active research program, and committee participation at the college. Teaching responsibilities will be divided equally between the toxicology and biology/molecular biology programs. The position involves a strong commitment to teaching and research in toxicology involving undergraduates and master's students. Ph.D. in toxicology or in the biological sciences is required with strong backgrounds in toxicology, molecular biology, and microbiology, including toxicology research experience with eukaryotes.

BOTANY/PLANT SYSTEMATICS: ASSISTANT PROFESSOR (V-9). The Department of Biology has a vacancy in botany/plant systematics with field experience in the anthophytes. Responsibilities include: teaching undergraduate and graduate lecture/lab courses in plant taxonomy, general systematics, general education biology courses, development of an active research program involving undergraduate and master's level students, coordination of department's computer laboratory, assisting faculty in computer applications in teaching and research, and committee participation at the college. Ph.D. in botany is required, with research interests in the taxonomy and systematics of the anthophytes. Candidates must have undergraduate and/or graduate coursework in taxonomy/systematics. Indicate V number for position applying for and send curriculum vitae, undergraduate and graduate transcripts, three letters of recommendation to: Montclair State College, Box G316 (V-9) or (V-10), Upper Montclair, NJ 07043. Positions subject to available funding. Screening will begin on 4 February 1991 and will continue until positions are filled. An Affirmative Action/Equal Opportunity Employer.

PROCEPT, Inc., a dynamic and fast-paced biotechnology company with strong ties to the Harvard medical community, is dedicated to the principle of innovative therapeutic drug discovery with our proprietary receptor technology. Having recently signed our second of long-term research and development agreements with one of the largest pharmaceutical companies in the world, we are rapidly expanding all of our scientific research programs aimed at major disease markets such as allergy, autoimmune disease and organ transplant rejection.

We are currently seeking a diverse selection of talented scientists to bring forth their best ideas and creative spirit for the benefit of human therapeutic needs. Help us expand our impact in these new areas and to strengthen our established team of professionals you can be part of a new era in immunetherapeutic drug development.

PROGRAM LEADER/ALLERGIC DISEASES

We are seeking a Ph.D. level scientist with a minimum of 5 years postdoctoral experience to serve as a Project Leader of our Allergy/Immunology Program. You should have a proven track record for successful management of creative research programs, and a strong background in one or more of the following research areas related to allergy: biology of IgE, inflammation, or signal transduction.

CELLULAR IMMUNOLOGIST

An outstanding opportunity exists for a dynamic, Ph.D. level scientist interested in highly creative approaches to studying T-lymphocyte biology in our protein receptor program. A strong background in cellular immunology and record of achievement in lymphocyte biology is required.

IMMUNOCHEMISTRY/HYBRIDOMA DEVELOPMENT

We are seeking a Ph.D. level scientist to participate in our therapeutic programs targeting autoimmunity and allergy. Experience in hybridoma production and characterization of cell lines is necessary; previous research experience involving in-vivo animal models or clinical trials is desirable, but not required.

MOLECULAR BIOLOGIST

We have a unique opportunity for the right individual to join an exciting research program focusing on immune cell activation and suppression. You must have a BS/MS degree with at least two years experience, and possess excellent technical skills in molecular biology techniques such as DNA/RNA isolation, cloning and sequencing, Northern/Southern analysis, in vitro mutagenesis, plasmid prep, PCR, etc. Previous experience with tissue culture desirable, but not necessary.

BIOPHYSICAL PROTEIN CHEMIST

We are searching for a Ph.D. level scientist with a demonstrated record of achievement in studying the fundamental mechanisms governing protein folding. You will play a key leadership role in our protein receptor development programs by applying your knowledge and experience to the reanulation and functional characterization of a variety of recombinant receptor proteins expressed in microbial cells. You should have direct experience with appropriate biophysical techniques for studying protein conformational structure such as UV, CD and fluorescence spectroscopy, microcalorimetry and molecular modeling.

BIOANALYTICAL CHEMIST

This position requires a BS and minimum of 3 years experience in a protein biochemistry laboratory. You will join our protein receptor program as the lead scientist in protein characterization methodologies such as amino acid analysis, sequence determination, HPLC, etc., and you should possess good organizational skills for processing analytical data in an independent, responsible manner.

PROCEPT is committed to providing the finest environment for technology-driven, entrepreneurial scientists and rewarding their outstanding achievement with competitive salaries, a comprehensive benefits program and equity participation via incentive stock options. We invite you to forward your resume, in confidence to Human Resources, Procept, Inc., 840 Memorial Drive, Cambridge, MA 02139. An Equal Opportunity Employer.
POSITIONS OPEN

ASSISTANT PROFESSORSHIPS

Cell Biologist

ASSISTANT PROFESSOR, tenure-track position, Department of Biology at the University of Dayton. Responsibilities include participation in the teaching activities of the department, including a cell biology course and a graduate course in advanced cell biology, establishment of an active independent research program which will attract external funding, and directing M.S. and Ph.D. students. A Ph.D. and at least 2 years of postdoctoral experience are required. Applicants should send curriculum vitae, a statement of research interests and plans, and a statement of research experience and plans by 4 February 1991 to: Dr. Alan C. Cole, Chair, Department of Biological Sciences, University of Dayton, 300 College Park, Dayton, OH 45469-2320. The University of Dayton is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

The Department of Bacteriology at the University of Wisconsin-Madison invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. The department is most interested in persons with training and experience in prokaryotic and lower eukaryotic metabolism, molecular biology, and biochemistry. Exceptional individuals working in other fields will also be considered. A Ph.D. in microbiology or a related field and postdoctoral experience is required. The successful candidate will be expected to establish a dynamic and extramurally funded research program and to participate in undergraduate and graduate teaching. Due to the excellent scientific environment and facilities of the Department of Bacteriology, this position represents an outstanding academic research opportunity. Salary and fringe benefits are nationally competitive.

Send curriculum vita, a statement of research and professional goals, and three letters of reference to: Search Committee, Department of Bacteriology, University of Wisconsin, 1550 Linden Drive, Madison, WI 53706. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer. Women and minorities are strongly encouraged to apply. The application deadline is 1 February 1991 or until the position is filled.

The Department of Neurology at the University of Michigan is seeking applications for the following positions:

- A tenure-track, University of Michigan and Veteran's Administration Hospital-based faculty position at the ASSISTANT PROFESSOR level. Applicants should be Board-certified or eligible in neurology with basic science and/or clinical interests in dementia.
- Three tenure-track, university-based faculty positions at the ASSISTANT PROFESSOR level, one or more of which will be focused in basic science activities relevant to the dementia. Applicants should be Board-certified or eligible in neurology with basic science interests and experience.
- Two clinical-track, university-based faculty positions at the INSTRUCTOR OR ASSISTANT PROFESSOR level. Applicants should be Board-certified or eligible in neurology with interests in clinical neurology and teaching. Specific interest or experience in neurological intensive care is being sought for one of these positions.

Candidates should submit curriculum vita, a brief statement of teaching and research interests and objectives, and three letters of recommendation by 28 February 1991 to: Robert L. Macdonald, M.D., Ph.D., Department of Neurology, 1108 Neuroscience/16016, University of Michigan, Ann Arbor, MI 48109-1687. The University of Michigan is an Equal Opportunity/Affirmative Action Employer and encourages women and minorities to apply.

POSITIONS OPEN

UNIVERSITY OF MANITOBA
FACULTY OF MEDICINE
ASSISTANT PROFESSOR

Applications are invited for a position as assistant professor (contingent appointment) in the Department of Physiology and the Spinal Cord Research Centre at the University of Manitoba, Winnipeg, Manitoba. Salary ranges from $33,512 to $40,140 per year. Salary, rank, and responsibilities vary by campus. A Ph.D. and equivalent postdoctoral training experience are required. Applicants should send curriculum vitae, a brief statement of teaching and research, and three letters of reference by 1 March 1991 to: Dr. James J. Champoux, Chairman, Spinal Cord Research Committee, Department of Physiology, 55 College Street, Winnipeg, Manitoba, R3E 0W3. Deadline: 30 April 1991.

Assistant Professor

CHEMICAL SENSES

The Department of Cellular and Structural Biology at the University of Colorado School of Medicine invites applications for a full-time, tenure-track position at the ASSISTANT PROFESSOR level. Preference will be given to applicants with research interests in the cellular and molecular biology of chemical sensory systems, and with the ability to complement ongoing research at the Rocky Mountain Taste and Smell Center. In addition to pursuing an active research program, the successful applicant is expected to participate in the department's teaching program. Applicants should have a Ph.D. or M.D. and appropriate postdoctoral training. Review of applications will begin 1 March 1991 and will continue until the position is filled. Applications should be addressed to Dr. Thomas Finger, Search Committee Chairman, Department of Cellular and Structural Biology, B-111, University of Colorado School of Medicine, 4200 East Ninth Avenue, Denver, CO 80262. Affirmative Action/Equal Opportunity Employer.

The University of Colorado and the Children's Hospital, National Medical Center, and the Aspen Foundation are equal opportunity employers. Applicants are encouraged to apply. The University of Colorado is an equal opportunity employer. Women and minorities are encouraged to apply.

The University of Colorado and the Children's Hospital, National Medical Center, and the Aspen Foundation are equal opportunity employers. Applicants are encouraged to apply. The University of Colorado is an equal opportunity employer. Women and minorities are encouraged to apply.

Assistant Professor

MOLECULAR POPULATION GENETICS

UNIVERSITY OF CALIFORNIA—RIVERSIDE

Applications are invited for a position in population genetics at the assistant professor level. The individual will be expected to establish a strong research program, teach undergraduate and graduate courses, and participate in the graduate program. Individuals should have a Ph.D. and post-doctoral experience. Send letter of application and three letters of reference to: Dr. James J. Champoux, Chairman, Spinal Cord Research Committee, Department of Physiology, 55 College Street, Winnipeg, Manitoba, R3E 0W3. Deadline: 30 April 1991.


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

Insect Biologist

Applications are invited for a regular faculty appointment as an ASSISTANT PROFESSOR, tenure-track position, Occidental College. In the fall of 1991, the College will be rebuilding the east wing of the Biology Building and will be seeking to hire a person with research expertise in the general area of insect behavior. The successful applicant will be expected to teach introductory-level biology, a non-major course and a course in area of specialty, as well as to design and execute an independent research project with students. Send curriculum vitae, statement of teaching and research interests, and three letters of reference to: Dr. Michael J. Hoppes, Department of Biology, Occidental College, Los Angeles, CA 90041 by 31 January 1991. Occidental College is an equal opportunity employer. The University of Minnesota is an equal opportunity educator and employer and specifically invites and encourages applications from women and minorities.
SR. PHARMACOLOGIST

The Immunoscience Research Area of Abbott's Pharmaceutical Product Division now seeks a senior-level Immunopharmacologist to join a team involved in the discovery of novel immunosuppressants. The successful candidate will help devise a research strategy for the in vivo evaluation of new compounds. This will include development of animal models involving both cellular and humoral immune responses. Duties may also include investigation of the mechanisms of action and toxic properties of potential immunosuppressants. We require a PhD in Pharmacology with a strong immunology background or a PhD in Immunology, plus at least 2 years of postdoctoral experience. Significant experience with in vivo experimentation is essential. Reply to Job #7653.

TOXICOLOGIST

Abbott's Division of Drug Safety Evaluation now seeks an experienced Toxicologist to study design, management and reporting of both in-house and contracted studies. The selected candidate will be involved as a liaison between Toxicology and other groups within the Corporation. A PhD in Pharmacology, Toxicology or a related discipline and a minimum of 1-2 years experience in general or reproductive toxicology are required. Experience in in vitro or behavioral toxicology desired. Good interpersonal skills as well as excellent abilities in communication via both oral and written presentations are a must. Knowledge of the drug development process and appropriate GLP's are essential; board certification is desirable. Reply to Job #7560.

As a $6 billion leader in the health care industry, we offer competitive compensation and benefits which include profit sharing and a stock retirement plan. Our corporate headquarters are located in an attractive suburban area near the Lake Michigan shoreline just 30 miles north of Chicago. Please send resume with salary history to: Patricia Handy, Corporate Placement, Abbott Laboratories, One Abbott Park Road, Abbott Park, IL 60064. (To facilitate the handling of your resume, please indicate job number of interest on your cover letter or resume.) Abbott is an Affirmative Action Employer.
MOLECULAR BIOLeGIST, ASSISTANT PROFESSOR. The Biology Department at Winona State University invites applications for a tenure-track position. Teaching responsibilities include teaching molecular biology (molecular genetics), introduction to biology for majors, microbiology, and other courses in addition to developing a vigorous research program. Applicants should have a Ph.D. in molecular biology. Salary is dependent on qualifications and experience. The authorized salary for this position ranges from $46,492 to $41,000. Women and minority members are encouraged to apply. Applicants for both positions are expected to demonstrate quality teaching in general biology and content areas. Established research programs are expected. Applications are encouraged by 15 February 1991 and will continue until the position is filled. Affirmative Action/Equal Opportunity Employer.

CELL BIOLOGIST/BIOCHEMIST ASSISTANT PROFESSOR. Biology Department. WILLIAMS COLLEGE

Tenure-track position beginning July 1991 for a broadly trained cell or molecular biologist with strong background in biochemistry to teach courses in cell biology and biochemistry. Normally, faculty members teach one course and two laboratories each semester. A research program which can attract extramural funding and involves students is expected. Specific research area might include, but are not limited to, immunology, virology, microbiology.

Ph.D. required, some postdoctoral experience desirable. Faculty members are expected to: stay abreast with current research and teaching methods, and, with the appropriate research support, teach one course and two laboratories each semester. A research program which can attract extramural funding and involve students is expected. Specific research area might include, but are not limited to, immunology, virology, microbiology.

IMMUNOLOGIST. The Biology Department of the University of San Francisco, a Jesuit liberal arts university with an emphasis on teaching, invites applications for an anticipated tenure-track position at the ASSISTANT PROFESSOR level to begin in fall of 1991. Teaching responsibilities will include immunology and other undergraduate courses in at least two of the following areas: virology, microbiology, tissue culture, parasitology, and general biology. The candidate is expected to guide master's degree students and to develop an independent research program. Applicants should submit a letter of application, curriculum vitae, a brief description of research plans, evidence of teaching ability, and three letters of recommendation by 15 February 1991 to: Immunologist Search Committee, Office of the Dean, 2130 Fulton Street, San Francisco, CA 94117–1080. 

ENVIRONMENTAL SCIENTIST. The Biology Department of the University of San Francisco, a Jesuit liberal arts university with an emphasis on teaching, invites applications for an anticipated tenure-track position at the ASSISTANT PROFESSOR level to begin in fall of 1991. Teaching responsibilities will include introduction to biology, at least two of the following areas: aquatic ecology, toxicology, geology, and atmospheric sciences. The undergraduate program in environmental sciences is complemented by a master's degree program management. The candidate is expected to guide master's degree students and to develop an independent research program. Applicants should submit a letter of application, curriculum vitae, a brief description of research plans, evidence of teaching ability, and three letters of recommendation by 15 February 1991 to: Environmental Scientist Search Committee, Office of the Dean, 2130 Fulton Street, San Francisco, CA 94117–1080. Women and minority candidates are especially encouraged to apply. The University of San Francisco is an Equal Opportunity/Affirmative Action Employer.

VIROLOGIST UNIVERSITY OF MARYLAND AT BALTIMORE

A tenure-track molecular virologist position is available in the Department of Microbiology and Immunology at the University of Maryland School of Medicine in Baltimore. The position can be filled at the ASSISTANT PROFESSOR level by 1 February 1991. The University of Maryland is an Equal Opportunity/Affirmative Action Employer.

The Section of Plastic and Reconstructive Surgery, Yale University, invites applications for TWO FACULTY APPOINTMENTS at the levels of ASSISTANT PROFESSOR AND ASSOCIATE PROFESSOR of surgery. The section has an active research program and provides excellent facilities, start-up funds, and a stimulating research environment with broad opportunity for interdisciplinary research. Applicants must have M.D. or Ph.D. degree. Applications should be submitted to: Charles B. Cuono, M.D., Ph.D., Section of Plastic and Reconstructive Surgery, Room 333 Cedar Street, New Haven, CT 06510–8062. Deadline for submission is 1 April 1991.

Yale University is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities of group status.

HUMAN NUTRITIONIST. The Department of Food Science and Human Nutrition seeks an ASSISTANT OR ASSOCIATE PROFESSOR for a tenure-track position in nutrition. The selected individual is expected to participate in the undergraduate and graduate teaching programs of the department and to develop an independent research program that will complement the interdisciplinary programs of the University. Foods to Impair Nutrition, which is presently under construction. The center will house a human metabolism laboratory and its faculty will have access to unique analytical facilities. The center's mission is to promote collaborative research and training in nutrition. Applicants should have strong background in clinical or basic human nutritional science and be able to interact effectively with other faculty members in related to human nutrition. A doctoral degree in nutrition or related life science area is required. Teaching and postdoctoral experience will be considered. Interested candidates should send curriculum vitae and three letters of reference to: J. Heinz, Chair, Department of Food Science and Human Nutrition, 175 MacKay Hall, Iowa State University, Ames, Ia 50011. Deadline for applications is 1 March 1991 or until position is filled.

ASSISTANT OR ASSOCIATE PROFESSORS OF BIOLOGY. The Department of Biology, Hofstra University, anticipates hiring three new assistant associate professors for fall of 1991. We are actively recruiting persons with demonstrable skills in both research and teaching to fill these tenure-track positions. We are interested in persons representing a variety of fields in biology. In particular, we invite applications from those who have research interest and background in one of the following fields: evolutionary biology, molecular systematics, cell and molecular biology, marine biology, or neurobiology. It is expected that one of the successful candidates will have teaching expertise in basic plant biology. Candidates must have a Ph.D. or equivalent, postdoctoral preferred. The successful candidates will be expected to actively engage in research and to work closely with students in a liberal arts environment. Curriculum vitae and three letters of recommendation should be sent to: Dr. Carleton J. Phillips, Chairman, Department of Biology, Hofstra University, Hempstead, NY 11550. Hofstra University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSORS OF PHARMACOLOGY. The University of North Dakota (UND) School of Medicine invites applications for an assistant/associate professor (12-month position) at the rank of assistant or associate professor of pharmacology. The position requires a Ph.D. in pharmacology or related area and a commitment to teaching excellence and to the development of a strong, extramurally funded research program. All areas of pharmacology/toxicology research experience and the ability to secure extramural funding and to participate in interdisciplinary research are particularly encouraged. Applicants should submit a letter to include appropriate research, related positions and curriculum vitae. Three letters of recommendation should accompany the application. A complete application packet will consist of a letter of recommendation, curriculum vitae, and three letters of reference to: Dr. David W. Hein, Chairman, Department of Pharmacology, University of North Dakota School of Medicine, 501 North Columbia Road, Grand Forks, ND 58203. UND is an Equal Opportunity/Affirmative Action Employer.
Opening to toxicology nominations
National and environmental programs responsible
for coordinated efforts among DHHS agencies
to seek the cause of and ways to prevent environmentally-associated health problems.

The National Institutes of Health (NIH) invites nominations and applications for the position of Director, National Institute of Environmental Health Sciences (NIEHS). The Director is responsible for management and direction of one of the preeminent centers for toxicology research in the world, focused on carrying out its research mission: to seek the cause of and ways to prevent environmentally-associated health problems. Programs encompass intramural laboratory research and extramural (contracts and grants) activities on the environmental health sciences. The Director is responsible for the coordination and direction of all programs and activities in the Institute and serves as principal advisor to the Director, NIH, on environmental health-related matters.

The Director, NIEHS also serves in a dual role as the Director, National Toxicology Program (NTP). The NTP is a coordinated effort among DHHS agencies to characterize the toxicity of chemicals.

This is a Civil Service position in the Senior Executive Service (SES), with a base salary from the ES-1 to the ES-5 pay level (currently $67,000 to $83,600 per year) depending on qualifications. Proposed pay range to be effective January 1991, pending issuance of an Executive Order, is $71,200 to $106,300 (plus up to $20,000 per annum allowance for physicians only). SES members are eligible for various bonuses and awards, and physicians are eligible for a comparability allowance of up to $20,000 per year. (Alternatively, applicants may be eligible for appointment in the Commissioned Corps of the U.S. Public Health Service.) The SES individual selected, if not presently in the Senior Executive Service, must serve a one-year probationary period.

For more information, contact Mr. Alvin L. Wade, Jr. at (919) 541-4316. The following forms are required: Application for Federal Employment (SF-171) accompanied by a current curriculum vitae and bibliography. These forms may be submitted to:

Mr. Alvin L. Wade, Jr.
National Institute of Environmental Health Sciences
Personnel Office (1-01)
P.O. Box 12233
Research Triangle Park, North Carolina 27709

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Senior Research Associate

The Cell Biology Division of Wellcome Research Laboratories is seeking a scientist to design and carry out experiments for evaluation of radioimmunoconjugates and to carry out original, creative research in aspects of radioimmunotherapy.

Candidates must have a Ph.D. in a biological or biochemical science plus one year of experience related to radioimmunotherapy, antibodies, or nuclear medicine, or a Ph.D. thesis related to radioimmunotherapy, antibodies, or nuclear medicine plus one year of related experience. Other factors to be considered include experience with the study and development of radioimmunoconjugates for cancer therapy, related publications, and communication skills.

As a valued professional at Burroughs Wellcome Co. you will receive a salary commensurate with your experience and be supported by the highest level of benefits in our industry. If you are interested in working with us, submit your resume, indicating position number in your cover letter, by March 4, 1991 to: Burroughs Wellcome Co., Scientific Recruiting and Staffing, Pos. #62491-4, 3030 Comwallis Road, Research Triangle Park, NC 27709.

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For more information and registration forms contact: Jacquelyn Roberts, AAAS Employment Exchange, Suite 1152, 1333 H Street, NW, Washington, DC 20005, (202) 326-6737.

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GENETIC ENGINEERING, ASSISTANT ASSOCIATE PROFESSOR. Bridge genetic engineering techniques (RFLPs, genetic transformation, etc.) with current high-throughput methods. Conduct basic and applied research in collaboration with plant breeders/geneticists. Teach a biotechnology course. Advise graduate and undergraduate students in molecular biology; knowledge of agronomic crops. Send résumé, transcripts, and three reference letters by 1 March 1991 to: Dr. R.M. Hall, Northeast State University, Baton Rouge, LA 70803-2110. Equal Opportunity Employer.

The Department of Chemistry, Yale University, invites applications for a tenured position at the rank of ASSOCIATE PROFESSOR or PROFESSOR in inorganic chemistry. An outstanding teacher-scholar is sought whose research interests will complement those of the current staff. Applicants should submit curriculum vitae and a list of publications to: Professor Frederick E. Ziegler, Chairman, Department of Chemistry, Yale University, 225 Prospect Street, P.O. Box 6666, New Haven, CT 06511-8118, before 15 February 1991. Yale University is an Equal Opportunity/Affirmative Action Employer.

MOLECULAR EVOLUTIONIST UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

Faculty position immediately available. Specialization in modern molecular approaches to the long-term evolution of macromolecules is desired. Rank: ASSISTANT PROFESSOR. Salary competitive, startup, and tenure will be commensurate with experience. Position is open until filled. Send letter outlining research interests, curriculum vitae, and three recommendation letters to: Dr. Wen-Hua Li, Genetics Centers, University of Texas HSC, P.O. Box 20334, Houston, TX 77225. The University of Texas system is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

ASSOCIATE PROFESSOR: SCIENCE, TECHNOLOGY AND ENVIRONMENTAL POLICY. Focus on the analysis of science, technology, and environmental aspects of federal legislation and regulation. A Ph.D. or equivalent degree, appropriate training, and experience in science and/or policy analysis is required. Salary competitive. Send letter of application, curriculum vitae, and three letters of recommendation to: Dr. Burt Sandquist, Search Committee Chair, March 1991. Equal Opportunity Employer.

ASSISTANT PROFESSOR: POPULATION ANALYSIS AND POLICY. Focus on the concepts and statistical techniques of population analysis. Demonstrated ability to teach courses in demographic methods and models, and strong interest in policy questions and scholarly research. Ph.D. or equivalent degree is required by date of appointment. Specialization in economic or social demography, population economics, population geography, population geography, or related fields. Send letter of application, curriculum vitae, and three letters of recommendation to: Dr. John M. Callings, Chair, Department of Population and Resource Economics, University of California, Berkeley, CA 94720. Equal Opportunity Employer.

IMMUNOLOGIST UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

A tenure-track faculty position is available for an immunologist with research expertise in Immunology and Microbiology. The position can be filled at the level of ASSISTANT OR ASSOCIATE PROFESSOR. Candidates should have a Ph.D. or M.D. and at least 2 years of postdoctoral experience in TCR, MHC, and/or antigen processing and presentation are sought. Applicants should submit their curriculum vitae, names and addresses of three references, a statement of planned research, and relevant reagents to: Garnett Kelsoe, D.Sc., Immunology Search Committee, Department of Microbiology and Immunology, School of Medicine, University of Maryland, 665 West Baltimore Street, Baltimore, MD 21201.

The University of Maryland at Baltimore is an Equal Opportunity Employer, M/F/H/V.

MICROBIAL ECOLOGIST

Applications are invited for a tenure-track position available 1 September 1991 at the rank of ASSOCIATE OR FULL PROFESSOR in BIOMEDICAL SCIENCE. Applicants should have a Ph.D. or equivalent degree in microbiology and be expected to have significant experience in microbial ecology, demonstrated excellence in research, and a willingness to participate in both undergraduate and graduate teaching. Candidates should send curriculum vitae, statement of research interests, and names of three references to: Dr. Daniel D. Jones, Assistant Professor, Department of Biology, Missouri State University, Springfield, MO 65804. The Missouri State University is an Equal Opportunity/Affirmative Action Employer.

ASSOCIATE OR FULL PROFESSOR IN BIOCHEMISTRY

The Department of Biochemistry at Case Western Reserve University (CWRU) invites applications and nominations for a tenure-track position at the rank of ASSOCIATE OR FULL PROFESSOR IN BIOCHEMISTRY. Applicants should have a Ph.D. degree in biochemistry. The successful applicant will be expected to establish an independent research program and to participate in graduate education. Applicants should send curriculum vitae, a statement of research interests, and names of three letters of recommendation to: Dr. John T. Parry, Department of Biochemistry, Case Western Reserve University, Cleveland, Ohio 44106. CWRU is an Equal Opportunity/Affirmative Action Employer and encourages the application of qualified women and minorities.

PROFESSORSHIP IN INFECTIOUS DISEASE. The Department of Veterinary Science, College of Agriculture, University of Kentucky, invites applications or nominations for the newly established Kendeeland Professorship in Infectious Disease. This tenured faculty position is intended to fill a need for an expanded program of research in the field of infectious diseases of the horse. The successful applicant will join an expanding faculty of veterinary science in the new Equine Research Center laboratories. Applications are encouraged from individuals with earned Ph.D. degree, qualified in veterinary medicine and present credentials illustrating excellence in research in the areas of pathogenesis and immunology of bacterial infections of animals. The appointee is expected to establish an independent program of research and to participate in graduate education. Among appropriate subjects for research are pathogens, and immunology of streptococcal diseases, rhodococcus infection, salmonellosis and other diseases associated with infection by Gram-negative bacteria. The appointee will be expected to be commensurate with the credentials of the successful applicant. Interested individuals should submit a letter describing their research interests and current research projects, a complete curriculum vitae and name at least four persons familiar with their qualifications prior to 15 February 1991 to: Search Committee for the Kentucky Professorship, Equine Research Center, University of Kentucky, Lexington, Kentucky 40546-0099, The College of Agriculture is an Equal Opportunity Organization.

SCIENCE DIVISION HEAD. Applications and nominations are sought at Northeast Missourii State University (NMSU). Duties begin on 1 July 1991. NMSU is a state-wide liberal arts and sciences institution that has received national acclaim for its Value-Added Model of Assessment. The science division includes four disciplines (biology, chemistry, physics, and agriculture) and offers the B.A., B.S., and the (M.S.) degree. There are 62 faculty members and 750 science students. The primary focus of the division is on excellence in undergraduate teaching. High ability student performance, undergraduate research, modern facilities and state-of-the-art equipment all contribute to a quality program. The position should attract a strong individual with strong interpersonal skills, and present evidence of leadership in teaching, administration, and scholarship. Salary is competitive.

Send a letter of application which includes your philosophy of education, curriculum vitae, transcripts (undergraduate and graduate), and three letters of reference to: Dr. Jack Magruder, Vice President for Academic Affairs, Chair, Science Division Search Committee, Northeast Missourii State University, Kirksville, MO 63501. Telephone: 816-755-1400. Applications will be reviewed beginning 15 February 1991. NMSU is an Equal Opportunity Employer.
### Oxygen Radical-Inflammation Research Scientist

**PARKE-DAVIS** Pharmaceutical Research Division, Warner-Lambert Company, seeks a Scientist in the growing area of Oxygen Radical-Inflammation Research. The candidate will be involved in examining the pharmacological effects and biochemical mechanisms of action of novel anti-inflammatory compounds.

The successful applicants should have a strong background in Oxygen Radical Research. Experience using both "in-vivo" animal models and "in-vitro" models and biochemical assays to examine the involvement of free radicals in cellular/tissue damage is essential. Additional experience in inflammatory pharmacology is also desirable. A Ph.D. in pharmacology, biochemistry or a relevant area with two to four years of post doctoral experience would be ideal. Good verbal and written communication skills are necessary.

Interested individuals should send their CV and references to Mr. Jack Moyer, PARKE-DAVIS Pharmaceutical Research Division, 2800 Plymouth Road, Ann Arbor, MI 48105. Refer to Job #90342. "Smoke-Free Work Environment"

"Equal Opportunity in Action"

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### RESEARCH DEVELOPMENT COORDINATOR

Administrator to coordinate faculty and staff initiative to develop proposals for extramural funding, including specialized technical assistance for the design, organization and finalization of proposals • develop strategies to identify and obtain new state, federal, and private funds • facilitate communication between Biology faculty and campus agencies and improve dissemination of information about extramural funding opportunities • enhance proposal budget preparation through the development of standardized cost projections and thorough knowledge of proposal budget policies • organize seminars and information sessions to stimulate research funding. The successful candidate will possess proposal development experience with demonstrated ability in obtaining extramural funding and grant administration experience in a university or similar setting. The applicant shall hold a degree in biological/biochemical science combined with a management/accounting degree or demonstrated managerial expertise. Excellent organizational, writing, editorial, motivational, interpersonal and computer skills are required. This administrative appointment has a salary range of $32,000 to $36,000 and is supplemented by a comprehensive benefits package.

Send letter of application, CV and three letters of reference by February 15, 1991 to:

Dr. Timothy C. Hall
Chair, RDC Search Committee
Department of Biology
Texas A&M University
College Station, TX 77843 - 3258

Texas A&M is an Equal Opportunity Employer
DIVISION HEAD, VETERINARY MEDICINE
NEW MEXICO REGIONAL PRIMATE
RESEARCH LABORATORY (NMRPRL)
New Mexico State University (NMSU)
NMSU is seeking a Division Head for Veterinary Medicine of their Regional Primate Research Laboratory, NMRPRL. It is located within the security of Holloman Air Force Base close to Alamogordo in southern New Mexico surrounded by high desert and mountains. NMRPRL enjoys proximity to ski resorts and other outdoor recreation as well as low real estate costs.
NMRPRL has a complete laboratory complex of 120,000 sq. ft. located on a 37 acre site and supports 427 chimpanzees, 1300 macaques, and other small laboratory animals. The new division head will direct the laboratory animal program. NMRPRL Veterinary Medicine has a staff of 75 employees with a total NMRPRL staff of 179 scientists, laboratory and animal technicians, and support personnel. The successful applicant will have the exciting opportunity to work with architects in the design and construction of a ten million dollar animal facility that will occupy a new 50 acre site at NMRPRL.
Applicants should have a DVM and several years of progressively responsible experience in laboratory animal medicine and demonstrated leadership ability. Candidates with ACLAM certification, research experience, primate and infectious disease experience, are preferred. Salary includes full benefit package and will be commensurate with qualifications and experience and will be highly competitive in New Mexico's low cost-of-living environment. Eligibility for employment is contingent upon verification of individual's eligibility for employment in the US.
Submit CV and three names and addresses for references to Preston A. Marx, Director, New Mexico Regional Primate Research Laboratory, New Mexico State University, Holloman AFB, NM 88330-1027. Applications received by January 31, 1990 will be given first consideration.

Sandoz Research, a company known for excellence in agricultural research has two openings at its California location.

Section Leader
This position requires approximately 70% research responsibility and 30% management responsibility, communicating and coordinating projects with agricultural scientists and three part-time lab assistants.

Research responsibilities include participation in basic research projects related to essential amino acid biosynthesis and plant hormone function as well as mechanisms of action research and in vitro bioassays associated with chemical series being synthesized by the herbicide chemistry group.

Requires PhD in plant biochemistry or related discipline with five years of research and project management experience.

Insect Biochemist
Responsibilities of this position include receptor binding studies, enzyme assays, analysis of complex mixtures, biosynthesis of natural products and pesticides mode of action studies.

Requires an MS biochemist or BS with several yrs. exp. (chemist with biochemical knowledge will be considered), strong analytical chemistry/biochemistry skills, and exp. with HPLC equipment and radioisotopes. Must be able to handle insects & have no history of major allergies.

For immediate consideration send resume to:
Sandoz Research
Human Resources Dept.
975 Califormia Ave.
Palo Alto, CA 94304-1104
AA/EOE

DIRECTOR
QUALITY CONTROL

Collagen Corporation is expanding its efforts in the area of novel biomaterials and medical devices. In addition to our injectable collagen used for soft tissue augmentation and repair, we are taking our technology to new venues of medical relevance, including collagen ceramic composites for bone grafting, membranes for guided tissue regeneration and bio-compatible materials to treat urology disorders. Also on the horizon are new drug delivery vehicles.

To address these exciting areas, we are seeking a Director of Quality Control to join our senior operations management team. The selected candidate will be responsible for organizing and directing Collagen’s QC functions for new product introductions, commercial lot testing, regulatory compliance and systems/specifications development. In addition to a Ph.D. or M.S. degree in biochemistry, chemistry, microbiology, or related field, we require at least 7 years’ experience in the biotechnology/pharmaceutical industry.

Collagen offers a competitive salary and benefits package, which includes relocation assistance, stock purchase plans, and merit rewards based on your performance. For consideration, please send your resume to: Collagen Corporation, 1850 Embarcadero Road, Dept. SLH, Palo Alto, CA 94303. We are an equal opportunity employer.

C. Harold Mielke, M.D., Chair
Search Committee for the Branch Director
Washington State University at Spokane
601 West First Avenue
Spokane, WA 99204-0399
509/456-4488

Branch Director
The Washington Institute for Mental Illness Research and Training

Description of Position: The Washington Institute for Mental Illness Research and Training is seeking a Director to lead its Eastern Washington Branch. The Branch Director will serve as the Associate Director of the Institute and direct its eastern Washington program. The Institute is charged by the Washington legislature to conduct research and educational programs through the state’s research universities and mental health facilities.

The Branch Director will conduct his/her own research program and stimulate research at participating institutions. He/she will also coordinate Institute training activities at Eastern State Hospital and in community-based settings. The primary focus includes: (1) Identify biomedical and psychosocial research needs; develop a research agenda and implement a research program. (2) Identify the staff development/training needs at Eastern State Hospital and in community mental health organizations; inventory ongoing training activities and evaluate their effectiveness; identify provider institutions; and implement a training agenda in conjunction with those providers.

Qualifications:
- Doctorate or equivalent in an academic discipline relevant to mental health
- Demonstrated research and teaching competence sufficient to qualify for a tenured faculty position at Washington State University
- Demonstrated ability to obtain grant support
- Academic leadership ability
- Knowledge of state mental health systems
- Experience with public psychiatric hospital and community mental health systems is highly desirable

Appointment and Salary: This is a faculty appointment at Washington State University. Departmental affiliation will depend upon the candidate’s academic preparation. Salary will be competitive with equivalent academic positions.
To apply send a vitae, cover letter summarizing your interest in and qualifications for the position together with your thoughts about the role of mental Illness research and training in the process of change in mental health systems, and three original letters of reference to:

C. Harold Mielke, M.D., Chair
Search Committee for the Branch Director
Washington State University at Spokane
601 West First Avenue
Spokane, WA 99204-0399
509/456-4488

Final screening will begin on March 1, 1991 and continue until the position is filled.
Washington State University is an equal opportunity/affirmative action educator and employer. Protected group members are encouraged to apply.
The University of Connecticut invites applications for the anticipated headship of the Physics Department. Applicants should have a Ph.D. in physics and a distinguished record of publication and research excellence. We seek candidates who have significant and widespread recognition for their scientific work; who can exercise effective leadership of university and college faculty and students and be articulate and convincing spokespersons for the department's scientific and educational missions. The Physics Department consists of 40 faculty members and has about 80 graduate students, most of whom are enrolled in the Ph.D. program. Research areas in the department which have significant strength are atomic and condensed matter, particle and field theory, quantum optics and lasers, nuclear theory. The Physics Department also has responsibility for a complex of undergraduate and graduate courses majoring in physics and for a variety of introductory courses required by other university programs. Applicants with previous administrative experience and those whose research specialties overlap with our existing major strengths are particularly encouraged to apply. Applications, curriculum vitae, and addresses of at least three references should be sent to: Dr. Timothy J. Kileen, Dean's Office, University of Connecticut, College of Liberal Arts and Sciences, U-98, Storrs, CT 06269. Plans are to fill this position by September 1991. Affirmative Action/Equal Opportunity Employer. (Search #A1178.)

MARINE TOXICOLOGIST/BIOCHEMIST
GM-418-14 ($52,408 TO $68,129)
The National Oceanic and Atmospheric Administration (NOAA) invites applications for its Marine Division as PROJECT MANAGER and in-house authority in the areas of marine toxicology and biochemistry related to marine pollution. Duties include developing and directing research programs to identify and quantify the biological and ecological effects of marine environmental contaminants, interpreting the significance of these effects, and presenting program results. Education and experience in these areas and U.S. citizenship are required. Call 301-427-2806 or write for a copy of Announcement NOAAN-1261/W to: National Oceanic and Atmospheric Administration, 1335 East West Highway, #2320, Silver Spring, MD 20910. Deadline 1 March 1991. Equal Opportunity Employer.

MANAGER, WEADE SCIENCE LABORATORY
Ishihara Sanyo Kaisha (ISK) Mountain View Research Center, an ISK scientific research laboratory, is seeking a basic research, highly creative plant scientist to head a small group of research scientists in the discovery and development of new agricultural products. We are looking for a Ph.D. plant scientist with a strong background in plant physiology, plant biochemistry, chemical ecology, and herbicide modes of action. Strong leadership and interpersonal skills are essential. Oral and written communication skills are also important. ISK offers an outstanding professional environment, an opportunity for growth, and an attractive salary. For immediate consideration, please forward your curriculum vitae to: Dr. Y. S. Hwang, San Francisco, CA 94111. Our research facility is located in Sunnyvale, California. Equal Opportunity Employer.

DEAN SCHOOL OF NATURAL RESOURCES
THE UNIVERSITY OF MICHIGAN
Applications and nominations are invited for the position of dean of the School of Natural Resources at the University of Michigan. The dean is the chief academic and administrative officer of the school and reports directly to the academic vice president. The School of Natural Resources is an interdisciplinary, research-oriented, professional school, focusing on research and the development of policies and management programs that promote conservation, protection, and sustainable use of natural resources. In addition, the school educates practitioners and researchers who will seek these ends. The school consists of the undergraduate, master's, and doctoral levels and an active research program. Faculty interests are diverse: resource ecology and management and behavior, and landscape architecture. The school is committed to an integrative, interdisciplinary, problem-solving approach in collaboration with related disciplinary departments and professional schools.

The dean provides leadership in program planning, development, and evaluation. Qualifications should include an established record of accomplishment and supreme interest in academic leadership at the Ph.D. level. The application process will begin on 1 January 1991. Applications and nominations should be sent to: Professor Robert C. Murphy, Search Committee, The University of Michigan, Ann Arbor, MI 48104-2120. A nondiscriminatory, Affirmative Action Employer.

DIRECTOR OF ALZHEIMER'S CENTER
The Department of Psychiatry of the School of Medicine, University of California, San Francisco (UCSF), is seeking a permanent physician for the Alzheimer's Center which is based at the Langley Porter Psychiatric Institute. The incumbent will provide leadership for the teaching, research, and clinical programs of the center program; and will be responsible for coordination of all geriatric training within the Department of Psychiatry, with other UCSF departments and with programs in the community. The position will be in a state-funded salary line up to the level of full-professor commensurate with the candidate's qualifications, and will be available any time after 1 July 1991. The ideal candidate would be a Board-certified or Board-eligible psychiatrist with an established record of clinical and/or laboratory research on Alzheimer's disease including the identification and elucidation of the diagnosis; or evidence of commitment to excellence in teaching and clinical care, and demonstrated ability in administration. Eligibility for a Clinical Professorship appointment must be received by 15 February 1991. Please send resume to: Leonard S. Zegada, M.D., Search Committee Chair, UCSF Alzheimer's Center Laboratory, 401 Parnassus Avenue, Box F, San Francisco, CA 94143-0986. UCSF is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

DIRECTOR OF THE MORRIS ABBRETTUM OF THE UNIVERSITY OF PENNSYLVANIA
The Director of the Morris Arboretum of the University of Pennsylvania is the chief educational and administrative officer of the Morris Arboretum, Inc., the nonprofit educational foundation that owns and operates the Arboretum. The director works closely with the Arboretum's Board of Directors, which raises funds and assists in the management of the financial affairs and administration of the Arboretum's teaching, research, and outreach programs.

This strong leadership position calls for someone with an established reputation as a researcher, educator and/or manager, with experience in one or more of the following disciplines: horticulture, botany, environmental science, and natural history. The University of Pennsylvania is an Equal Opportunity Employer.

To apply: Candidates meeting this criteria should send full resumes to:

W. H. Wurster
Chairman, Search Committee
490 Haverford Avenue
Society Hill 103
Bryn Mawr, PA 19010

The Department of Commerce (DOC), NOAA, Office of Oceanic and Atmospheric Research is seeking applicants for the position of MANAGER AND PROGRAM DIRECTOR for the ONDT則1-01-14554 (559,216 TO $76,982). Duties: The position serves as Chief of the Resource Management Staff and is responsible for program direction, budget formulation, and related administrative support activities. The position is located in Silver Spring, Maryland. Applications will be accepted, but will be held until the position is filled. Deadline 16 February 1991 to: NOAA/Personal Opportunities Division/NSF-OAR Operations Branch, SMSM-1, OA123, 333 West East Highway, Silver Spring, MD 20910. Information telephone: 301-427-2506 refer to: Vacancy # OA-91-U2-MMDD. DOC is an Equal Opportunity Employer.

UNIT DIRECTOR
GENERAL IMMUNOLOGY

Rush Medical College, Department of Immunology/Microbiology, and the Office of Consolidated Laboratory Services at Rush-Presbyterian-St. Luke's Medical Center are seeking a proven professional to assume the key position of unit director of the General Immunology Laboratory. This super-specialty laboratory serves Rush's 126-bed medical center facility, which is one of the nation's outstanding leaders in integrating patient care, education, and research. The laboratory has 20 regular employees in the areas of serum protein electrophoresis, autoantibody testing, and infectious disease serology. It also participates in studies of disease control in cancer, infectious disease, allergy, and immunology, and is actively involved in cancer research, medical technologists, and medical, doctoral, and post-doctoral students. This laboratory is part of the Division of Immunology, which also includes a research laboratory, a flow cytometry, genetics, and endocrinology. The successful candidate should have a strong commitment to service, research, education, and will be expected to develop an independent research or R&D program and to teach in the university. Professional experience in the diagnostic laboratory, familiarity with academic and community laboratory settings, and strong productivity are sought. Salary will depend upon training and experience. Applicants must possess an M.D. and/or a Ph.D. and should be Board-certified or -eligible. Applicants should submit curriculum vitae, statement of research interest, and the names of three references to: Edith H. Haber, M.D., Medical Director, Office of Consolidated Laboratory Services, Rush-Presbyterian-St. Luke's Medical Center, 1653 West Congress Parkway, Chicago, IL 60612. An Equal Opportunity Employer.

SCIENCE DIRECTOR
WEST COAST NATIONAL UNDERSEA RESEARCH CENTER UNIVERSITY OF ALASKA FAIRBANKS

The University of Alaska Fairbanks is a new Center for NOAA's National Undersea Research Program. The science director will be responsible for the direction and coordination of the undersea science program for the University of Alaska Fairbanks and the University of Washington. The director will (i) develop effective communication with research, (ii) develop and implement programmatic research themes, (iii) prepare annual announcement of research opportunities and coordination proposal, (iv) assist with preparation of the Center's annual report and proposal to NOAA, and (v) some supervision of Center staff. The science director will report to the center director. This is a 12-month per year appointment. Preferred qualifications include a Ph.D. in oceanography, submersibles and ROVs, Communication and Research Director skills will be evaluated. Applications will be accepted until 8 February 1991, or until a qualified applicant is found. Submit resume and names and addresses of three references to: Director, West Coast National Undersea Research Center School of Fisheries and Ocean Sciences University of Alaska Fairbanks, Fairbanks, AK 99775-1080

The University of Alaska is an Affirmative Action/Equal Opportunity Employer and educational institution. Persons hired must be citizens of the United States and may be selected, with preference, in accordance with the Rehabilitation Act of 1973 and have a valid social security number. Your application for employment may be subject to public disclosure should you be selected as a finalist.

FACULTY OF FORESTRY

Applications And Nominations Are Invited
For The Following Department Head Positions In The Faculty of Forestry

DEPARTMENT OF FOREST SCIENCES, including interests in the natural sciences associated with forestry.

DEPARTMENT OF FOREST RESOURCES MANAGEMENT, including interests in the management sciences - natural, social or quantitative - associated with forestry.

DEPARTMENT OF HARVESTING AND WOOD SCIENCE, including interests in wood science and technology, wood chemistry, harvesting, forest engineering, or a closely allied field.

Applications should contain a letter stating interests and qualifications; the names, addresses and telephone numbers of at least three references; and three to five key publications. The successful candidate will have an international record of excellence in research and a demonstrated interest in the scientific problems arising in the practice of forestry broadly defined. Further details on each of the above positions are available upon request. Salary will be determined by qualifications and experience. The closing date for applications is March 1, 1991. Please direct inquiries, nominations and applications to: Professor Clark S. Blinkley, Dean, Faculty of Forestry, The University of British Columbia, 276 - 3357 Main Mall, Vancouver, B.C., CANADA V6T 1W5.

In accordance with Canadian immigration requirements, priority is given to Canadian citizens and permanent residents of Canada. The University of British Columbia is committed to the Federal Government's employment equity program, and encourages applications from all qualified individuals.

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Career Opportunities

IN BIOTECHNOLOGY

SyStemix, Inc. is an exciting, innovative company utilizing revolutionary technology—the SCID-hu mouse chimera—for the study of human disease and its treatment. Areas of expertise include cellular immunology, hematology, retrovirology, and molecular biology. One principal research focus is the human stem cell —its identification and characterization, its growth in response to novel factors, and its potential in bone marrow transplantation. We seek creative individuals to join us in developing this challenging area of science. Opportunities are as follow:

Research Scientist (2)

Individuals will further develop and characterize novel assay systems, in vitro and in vivo. One successful applicant will concentrate on the establishment of in vivo bone marrow transplantation systems for the preclinical evaluation of human stem cell populations. The other will develop both in vitro and in vivo systems suitable for the study of committed human megakaryocyte progenitor cells, and the identification of associated growth factors.

Both positions require a PhD and/or MD with a strong background in immunology and hematology, and preferably 2-3 years experience in a suitable research environment. Demonstrated expertise with animal models, cell culture, or growth factors an advantage.

Development Manager

The successful candidate will lead a scientific development team in the next phase of a program to bring human hematopoietic stem cells to the clinical arena. He/she will have the responsibility to create, implement and scale-up two processing methodologies to purify human stem cells from bone marrow in an effective, safe, and reproducible manner appropriate for a clinical setting. This may involve significant external contact with technology-based companies and regulatory authorities, as well as clinicians.

The ideal candidate is a PhD/MD with at least 5 years relevant experience following postdoctoral studies. He/she will have a strong background in cell biology, proven technical creativity and an excellent track record in development. Interactive management skills are essential. Knowledge of regulatory and clinical trial processes essential.

We are also looking for Research Associates at all levels and have a position for a talented Laboratory Manager capable of supporting an R&D staff of 60 employees. For further details on these positions, please contact SyStemix.

SyStemix offers competitive salaries, benefits, and equity participation, as well as a challenging research environment. Please send your resume to: SyStemix, Inc., Attn: Human Resources 3400 W. Bayshore Road, Palo Alto, CA 94303. EOE.

SyStemix
EDITOR, THE BIOPHYSICAL JOURNAL

The Biophysical Society is looking for candidates to succeed Dr. W. F. Purcell as editor of The Biophysical Journal in July 1992. The editor of The Biophysical Journal is responsible for supervising the day to day operations of the journal and maintaining the quality and tone of the journal through appropriate use of associate editors, members of the editorial board, and referees. The initial term of the editor is for 3 years. The Biophysical Journal has a strong reputation for its high quality while expanding at an annual rate of over 15%. The society believes that this growth and excellence can be maintained. The Biophysical Society is seeking a full-time person for the operations of the editorial office and is committed to finding ways to accelerate and improve these operations. Candidates should have considerable experience in the writing and reviewing of scientific manuscripts. They should be familiar with the many areas of research represented by both the Biophysical Society and Journal. The editor has to deal with a wide diversity of referees with skill and tact. Nomination are invited in this call for referees, who should be appointed for 1-3 years.

The Biophysical Society is an equal opportunity employer, and its policies are uniform for both men and women.

THE UNIVERSITY OF MELBOURNE AUSTRALIA
DEPARTMENT OF OPHTHALMOLOGY RESEARCH FELLOW

DEPUTY DIRECTOR FOR LIONS’ EYE BANK

FACULTY POSITION IN CARDIOLOGY

The University of Texas Southwestern Medical School at Dallas is significantly expanding its faculty in the Division of Cardiology. Currently there is a position available in the Center for Molecular Biology. Candidates must be able to devise innovative research programs and to obtain major grants. The position is that of ASSISTANT PROFESSOR who holds an M.D. or Ph.D. with 2 to 3 years of postdoctoral fellowship and also has extensive experience in molecular biology and virology with an interest in gene regulation and must have published significant articles in peer-reviewed international journals.

The following is a position description:

1. Salary: $33,163 to $44,924, with opportunity for salary increases based on experience and qualifications.
2. Responsibilities include:
   a. Supervision of senior researchers
   b. Writing and editing of research articles for publication
   c. Supervision of the laboratory
   d. Co-development of research projects

3. Qualifications:
   a. Ph.D. in Biomedical Sciences
   b. Experience in the field of Biological Sciences
   c. Candidates must be able to devise innovative research programs and to obtain major grants. The position is that of a research fellow in the Division of Cardiology.

4. Application Procedure:
   a. Send curriculum vitae and three letters of recommendation to: Dr. R. S. Williams, Chief of Cardiology, Department of Internal Medicine, Room C47.102, University of Texas Southwestern Medical School, Dallas, TX 75235-9047.
   b. The University of Texas Southwestern Medical School is an Equal Opportunity Employer.

ECOSYSTEM STUDIES.

The Ecology and Evolutionary Biology Department at Rice University seeks to fill a HUXLEY RESEARCH INSTRUCTORSHIP. This is a 2-year appointment for a recent Ph.D. Professor who will be expected to conduct original research in the ecology of the Arid Environments, that is, in the biota of deserts and other semi-arid habitats.

Applicants will be expected to develop a successful and independent research program using molecular and genetic approaches to study the environment in the desert. Teaching responsibilities will be expected to include undergraduate and graduate courses in the areas of molecular and cell biology.

The following position is available:

POSTDOCTORAL FELLOW

Applications are invited from candidates with experience in molecular biology, immunology, or virology. The postdoctoral fellow will be expected to conduct research in the laboratory of Dr. J. E. Taylor, Department of Microbiology, Molecular, and Cellular Biology, University of California, Los Angeles.

1. Salary: $20,000, renewable for second year.
2. Responsibilities include:
   a. Research on the biology of Mycobacterium tuberculosis
   b. Preparation of research proposals
   c. Participation in scientific meetings

3. Qualifications:
   a. Ph.D. in Molecular Biology
   b. Experience in research on Mycobacterium tuberculosis

4. Application Procedure:
   a. Send curriculum vitae and three letters of recommendation to: Dr. J. E. Taylor, Department of Microbiology, Molecular, and Cellular Biology, University of California, Los Angeles, CA 90024.
   b. The University of California is an Equal Opportunity Employer.

The University of Texas Southwestern Medical School at Dallas is significantly expanding its faculty in the Division of Cardiology. Currently there is a position available in the Center for Molecular Biology. Candidates must be able to devise innovative research programs and to obtain major grants. The position is that of ASSISTANT PROFESSOR who holds an M.D. or Ph.D. with 2 to 3 years of postdoctoral fellowship and also has extensive experience in molecular biology and virology with an interest in gene regulation and must have published significant articles in peer-reviewed international journals.

The following is a position description:

1. Salary: $33,163 to $44,924, with opportunity for salary increases based on experience and qualifications.
2. Responsibilities include:
   a. Supervision of senior researchers
   b. Writing and editing of research articles for publication
   c. Supervision of the laboratory
   d. Co-development of research projects

3. Qualifications:
   a. Ph.D. in Biomedical Sciences
   b. Experience in the field of Biological Sciences
   c. Candidates must be able to devise innovative research programs and to obtain major grants. The position is that of a research fellow in the Division of Cardiology.

4. Application Procedure:
   a. Send curriculum vitae and three letters of recommendation to: Dr. R. S. Williams, Chief of Cardiology, Department of Internal Medicine, Room C47.102, University of Texas Southwestern Medical School, Dallas, TX 75235-9047.
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   a. Send curriculum vitae and three letters of recommendation to: Dr. J. E. Taylor, Department of Microbiology, Molecular, and Cellular Biology, University of California, Los Angeles, CA 90024.
   b. The University of California is an Equal Opportunity Employer.

MOLLENPEAK MEDICAL SCHOOL:

The Department of Microbiology, University of Washington, Seattle, WA 98195.

The University of Washington is an Equal Opportunity/Affirmative Action Employer, and we are especially eager to identify qualified women and minorities.

FACULTY POSITIONS

ALBERT EINSTEIN COLLEGE OF MEDICINE DEPARTMENT OF MOLECULAR PHARMACOLOGY

Candidates are invited to apply for positions at the level of ASSISTANT PROFESSOR. We are seeking individuals with a record of excellence in research who will apply skills in biochemistry, molecular biology, genetics, and cell biology to solve problems relevant to molecular pharmacology. Research at the Albert Einstein College of Medicine is an innovative research program that complements programs within the department and the medical school. Research areas of interest to the department include: mechanisms of hormone, oncogene, growth factor and neurotransmitter actions; regulation of gene expression and differentiation; molecular aspects of receptor function, including the activation of receptors and channels; second messengers and protein phosphorylation; post-translational modification and intracellular targeting. Candidates will be expected to present a statement of current research interests, goals, and plans. Letters from three references should be submitted on behalf of the candidate.

Application Procedure:

Send curriculum vitae, a statement of current research interests, goals, and plans, and three letters of recommendation to: Dr. W. F. Purcell, Department of Molecular Pharmacology, Albert Einstein College of Medicine, 1300 York Avenue, Bronx, NY 10461. Equal Opportunity Employer.
Research Associates
African Horsesickness

Plum Island Animal Disease Center

The Center is expanding its ongoing research into the molecular virology and pathogenesis of African horsesickness virus (AHSV). These studies will be conducted by a new, well-funded, multidisciplinary group located in well-equipped laboratories in the Center's high security biocontainment facilities.

Two Postdoctoral Research Associate positions are currently available. One position (#1N012) involves production of a cDNA library for AHSV, restriction enzyme analysis, nucleic acid sequencing and expression of clones corresponding to various viral genes in either prokaryotic or eukaryotic systems. Experience in recombinant DNA technology and knowledge of protein expression systems is desirable. The second position (#1N011) will involve selection and characterization of virulence variants of AHSV. Individuals experienced with orbiviruses or reoviruses and oligonucleotide mapping are encouraged to apply.

The Center is located off the northeast tip of Long Island, New York. USDA ferry services to Orient Point, NY and Old Saybrook, CT offer a choice of living on Long Island or in Connecticut. Close collaborations are being developed with research institutions in the area including: Yale and Tufts Universities, the University of Connecticut and the State University of New York at Stony Brook.

Appointments are for two or three years from March 1, 1991 (or by arrangement) and, based on qualifications, will be at the GS-11 (approximately $31K/year) or GS-12 level (approximately $37K/year). Successful candidates must have obtained a Ph.D. or equivalent degree in a relevant discipline within the last three years. Applicants should send a curriculum vitae along with the names and addresses of three references to:

Dr. W.W. Laegreid (#1N011)
Dr. M.J. Grubman (#1N012)
USDA/ARS, Plum Island Animal Disease Center
P.O. Box 848
Greenport, LI, NY 11944-0848

Applications must be received before February 15, 1991

ARS IS AN EQUAL OPPORTUNITY EMPLOYER
WOMEN AND MINORITIES ARE ENCOURAGED TO APPLY
POSITIONS OPEN

FACULTY POSITION IN PROCRARYOTIC MOLECULAR BIOLOGY

The Center of Marine Biotechnology of the Maryland Biotechnology Institute, University of Maryland System, invites applications and nominations for the faculty positions in marine molecular biology. The marine science faculty offers the opportunity to work in an area of research that is of growing importance and is advantageous but not essential. The successful candidate will be expected to foster independent research programs in the areas of invertebrate genetics, molecular biology, and molecular ecology, with an emphasis on microbial diversity in the marine environment. The Center offers a collaborative environment, where research in marine sciences program and to be able to teach physical oceanography and related topics at a graduate level and maintain a competitive research program. Appointment level and salary will be commensurate with experience. Applications will be accepted until February 28, 1991, and should include letter of recommendation to: Peter Pederson, Department of Geological Sciences, University of Maryland System, 10601 College Park Dr., College Park, MD 20742-5916.

The Division of Natural Sciences, Incarnate Word College (IWC), invites applications for three TENURE-TRACK POSITIONS with appointments beginning August 1991. Candidates should demonstrate interest and experience in teaching excellence at graduate and undergraduate levels. Ph.D. required.

- GENETICS. Molecular and classical genetics.
- PHYSICAL/GEOLoGY. Background sufficient to develop courses in both classical and physical and historical geology.

Applications should include a letter indicating the position sought, teaching and research interests, and curriculum vitae. The closing date is 1 February 1991. Type of support will be continued to Dr. Andrew C. Geller, Incarnate Word College, Natural Science Division, 4301 Broadway, San Antonio, TX 78209. Equal Opportunity/Affirmative Action Employer. IWC encourages applications from minorities and women.

University of California, San Diego. TENURED/TENURE-TRACK POSITIONS IN BIOCHEMISTRY AND IN PHYSICAL CHEMISTRY. The Chemistry Department, University of California, San Diego, is recruiting for two positions, one each in the areas of biochemistry and physical chemistry. Candidates must hold a Ph.D. in an area complementary to the areas of research at the University of California. The University of California is an Equal Opportunity/Affirmative Action Employer. Applicants should send curriculum vitae, a list of publications, and names and addresses of three references to: University of California, San Diego, Chairman, Biochemistry, Chemistry Department, 9500 Gilman Drive, La Jolla, CA 92030-1332. The University of California is an Equal Opportunity/Affirmative Action Employer.

BIOLOGY INSTRUCTOR

FOOT HILL COMMUNITY COLLEGE

Primary areas of classroom instruction will include: organic and evolutionary biology, multicellular life, environmental biology, and ecology/natural history. Sec- ondary duties may include: introduction to molecular biological techniques; introduction to biochemistry; introduction to human reproduction, and marine biology. This position will also be responsible for student recruitment and advising. Candidates should have a Ph.D. and possess the professional and educational background. This position is part of the teaching load. M.A. in biology or equivalent. Experience in organic and population biology or related field preferred. $30,684.80 to $49,706.80 annually plus benefits. Application and complete job description may be obtained from: Employment Services, Foot Hill–De Anza Community College District, 12345 El Monte Road, Los Alamitos, CA 90724. Phone: (714) 949-6217. A resume or curriculum vitae may not be submitted for a completed application. Open until filled. First review date is February 1991. Affirmative Action/Employer.

ASSISTANTSHIPS

GRADUATE PROGRAM IN NEUROSCIENCE

The Neuroscience Program at College of Medicine at The Milton S. Hershey Medical Center of the Pennsylvania State University has been made available in August 1991. This interdepartmental program is designed to confer a Ph.D. degree with a major in neuroscience. Participating faculties include those in biomedical research, neurology, molecular biology of the nervous system, neuropathology, neuroendocrinology, behavioral science, neuropharmacology, neuroanatomy, and cerebrovascular disease. Inquiries and applications are invited to apply to: Dr. Robert B. Page, Director, Neuroscience Program, P.O. Box 850, Hershey, PA 17033. An Equal Opportunity/Affirmative Action Employer.
BIOTECHNOLOGY RESEARCH OPPORTUNITIES

As one of America’s top two brewers, Miller Brewing is committed to supporting a progressive research and development program in biotechnology. Presently, we have three postgraduate term appointments available for individuals seeking valuable industrial experience in biotechnology. Each term appointment is for 12 months and offers the possibility of renewal. The candidates we seek will possess the ability and desire to work independently in a multidisciplinary research team environment.

• BIOTECHNOLOGIST (Downstream Processing) Term Appointment
Candidate should have an M.S. or Ph.D. in molecular biology, biochemistry, chemical engineering or a related field with skills in protein isolation, purification, and/or downstream processing of fermentation components.

• BIOTECHNOLOGIST (Molecular Cloning) Term Appointment
Candidates should have an M.S. or Ph.D. in molecular biology, microbiology or a related field with skills in molecular cloning and manipulation of genes. Experience in yeast expression/secretion systems would be helpful.

• BIOTECHNOLOGIST (Analytical) Term Appointment
Candidates should have a B.S., M.S. or Ph.D. in biochemistry, chemistry or a related field with skills in protein isolation and analysis.

From Miller, expect a highly focused and goal-oriented challenge offering broad benefits and competitive pay. For consideration send your resume, indicating the position for which you are qualified, to: Personnel Department, Dept #1061-90, MILLER BREWING COMPANY, 3939 W. Highland Blvd., Milwaukee, WI 53201-0482.

SULTAN QABOOS UNIVERSITY — SULTANATE OF OMAN COLLEGE OF MEDICINE

Applications are invited for the following posts in the Department of Biochemistry.

Both MD Chemical Pathologists and Ph.D. Clinical Biochemists, with teaching experience within basic and clinical biochemistry need apply. Requirements for the appointment are:

Professor
At least ten years teaching experience post Ph.D., at least two years of which in an equivalent grade. Normally a minimum of 18 substantial publications in international refereed journals or books in the area of specialization.

Associate Professor
At least six years of teaching experience post Ph.D., at least two years of which must be as Associate Professor or equivalent grade. Normally a minimum of six substantial publications or research.

Assistant Professor
At least four years teaching experience as Assistant Professor or equivalent grade post Ph.D. Minimum of three substantial publications or research in the same area of specialization in international refereed journals or books.

Sultan Qaboos University is recognized by many major Western universities and is located in a pleasant peaceful country, facing the Indian Ocean.

An attractive package of benefits is available to suitable applicants. Applications should be addressed to:

The Administrator
College of Medicine
Sultan Qaboos University
P.O. Box 32485
Al-Khod, Sultanate of Oman
Fax: 513419 Phone: (Oman-968) No. 513333

The following documents must be enclosed:
1. Photocopies of Academic and Professional experience certificates
2. Curriculum Vitae

Employing and Promoting Equally Today and Tomorrow
POSTDOCTORAL POSITION

Position immediately available to study the expression and function of structurally-distinct β and γ subunits of the signal transducing G proteins. Qualified candidates for this position will receive a highly competitive stipend with excellent benefits, and the opportunity to develop their own research ideas, working in a well-equipped facility in a semi-rural environment. Some familiarity with expression of recombinant protein and protein purification is desirable, but not required. Send curriculum vitae and names of three references to:

Dr. Janet D. Robishaw
Weis Center for Research
Geisinger Clinic
Danville, PA 17822.

Equal Opportunity Employer M/F/H/V

Geisinger

Research Scientists Research Associates

BioGenex Laboratories, a San Francisco Bay Area company involved in the cellular diagnostics field seeks qualified candidates with prior training and expertise in the following areas:

- Immunopathology
- Analytical immunocytochemistry
- In Situ Hybridization

Applicants should possess strong management and research skills, and a successful track record in a fast paced environment. Prior industry experience helpful but not essential. BioGenex offers competitive compensation, excellent benefits, opportunity for advancement, and a prime location. Please send resume and salary history to:

BIOGENEX LABORATORIES
4600 Norris Canyon Rd.
San Ramon, CA 94583

POSITIONS OPEN

FACULTY POSITIONS
DEPARTMENT OF BIOLOGICAL SCIENCES
WELLESLEY COLLEGE

The Department of Biological Sciences at Wellesley College, a liberal arts institution located ten miles west of Boston with a student body of 2200 women, invites applications for positions to be filled by September 1991. The department is housed in a science center completed with modern facilities for effectively integrating teaching and research.

Tenure-track appointment at the ASSISTANT PROFESSOR level in NEUROSCIENCE. Preferred areas of specialization are the neural basis of behavior or fundamental neurophysiology. The successful candidates will be expected to teach introductory biology, physiology, and neuroscience, and to participate in our Interdepartmental Program in Psychobiology. We are seeking applicants who demonstrate a genuine commitment to both undergraduate teaching and maintaining a productive research program that will involve undergraduate students.

ONE-YEAR REPLACEMENT openings for one full-time and one part-time ANIMAL PHYSIOLOGIST to teach in introductory human biology, comparative physiology and anatomy, and advanced vertebrate physiology, and a part-time PLANT BIOLOGIST to teach an intermediate level plant physiology course.

Applications from individuals with a Ph.D. in the tenure-track position, 2 years of postdoctoral experience are preferred. Credentials will be reviewed when complete. Applicants should send their curriculum vitae, graduate transcript, a brief outline of research plans, three letters of recommendation to: Search Committee, Department of Biological Sciences, Wellesley College, Wellesley, MA 02181, no later than 15 February 1991.

Wellesley College is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN STRUCTURAL RETINAL BIOLOGY

The Department of Ophthalmology, University of Florida, invites applications for a tenure-track position at the ASSISTANT/ASSOCIATE PROFESSOR level in the area of structural retinal biology. The department is particularly interested in candidates who utilize modern morphological methods to investigate structure and function of the vertebrate retina. Candidates must have at least a Ph.D. degree, postdoctoral experience, and demonstrate exceptional promise in research. Candidates are expected to develop a vigorous extramurally funded research program and to supervise a well-equipped electron microscope laboratory that serves an active group of vision researchers. Opportunities exist for joint appointments with appropriate basic science departments. Recruiting will begin 1 February 1991 to start 1 April 1991. Candidates should send curriculum vitae, a list of publications, a statement of research activities and goals, and the names of three references to: G. Stern, M.D., Professor, Department of Ophthalmology, Box J-284 JHMMC, University of Florida, Gainesville, FL 32610-0284. The University of Florida is an Equal Opportunity/Affirmative Action Employer.

SUMMER MINORITY FACULTY POSITIONS
PURDUE UNIVERSITY
WEST LAFAYETTE, INDIANA

The Purdue Minority Faculty Fellows Program invites applications for summer research and/or teaching positions at the West Lafayette campus. Blacks, Hispanics, and Native Americans are encouraged to apply. Fellows who are selected will receive a regular 8-week summer salary, plus a $2500 cost-of-living adjustment and $500 for supplies.

Positions are available in the Schools of Agriculture, Consumer and Family sciences, Education, Engineering, Health Sciences, Library, Management, Nursing, Pharmacy and Pharmacal Sciences, Science, Technology, and Veterinary Medicine.

Application deadline is 1 February 1991. For application and further information contact:

Dr. Clara Bell, Director
Minority Faculty Fellows Program
School of H.R. Conference
Purdue University
West Lafayette, IN 47907
Telephone: (317) 494-0242

Purdue is an Equal Access/Equal Opportunity University.

POSITIONS OPEN

BIOLOGY. THREE FACULTY POSITIONS.

Applications are invited for three positions (two assistant professors; one instructor) beginning August 1991. (Ph.D. required for assistant professorships.) (i) Geneticist to teach general genetics, (ii) geneticist biologist (physiology concentration) to teach in the freshman program and genetics in the biotechnology laboratory courses. Ability and willingness to teach freshman biology is required of all candidates. Xavier University is a small, predominantly African-American, Catholic, liberal arts institution. Application deadline: 21 January 1991 or until filled. Send resume and three letters of recommendation to: J. Caffey, Jr. Chairman, Search Committee, Biology Department, Xavier University, Box 858, New Orleans, LA 70125.

FULL-TIME FACULTY POSITION IN BIOLOGY
available fall 1991 in either microbial genetics or biotechnology. Successful candidate expected to develop courses in area of specialty and participate in a general biology program for nonmajors. Research encouraged; a strong research potential may develop with NASA life science satellite program. Opportunities exist with nearby USFS, National Resource and NCI facilities. With an enrollment approaching 4000 students, Shepherd College, located on the banks of the Potomac River approximately 56 miles from Baltimore, is a baccalaureate institution in the West Virginia State College System. Application deadline is 1 February 1991. Minorities and women are encouraged to apply. Send resume and arrange for at least three letters of recommendation to: Dr. Phillip Simpson, Department of Biology, Shepherd College, Shepherdstown, WV 24433. Affirmative Action/Equal Opportunity Employer.

The Department of Molecular Biology at Princeton University invites applications for a TENURE-TRACK POSITION IN CELL BIOLOGY. Level of positions is open. Applicants should send a curriculum vitae, a summary of research interests, and the names of at least three referees to:

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

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

The Department of Biological Sciences, San Jose State University (SJSU), invites applications for FOUR TENURE-TRACK POSITIONS to begin August 1991. Applicants must have earned doctorate and teaching experience. Postdoctoral research experience desired. Successful candidate must demonstrate a commitment to active research and development of active research program will be expected. All positions include teaching general education science, advising undergraduates, and graduate students, and participation in the M.A. degree program. Candidates shall have an awareness and sensitivity to the educational goals of a multicultural population. Cross-cultural experience and/or training preferred. (i) AQUATIC VERTEBRATE ECOCOLOGIST: Candidate should have skills related to the management and/or physiological ecology of fishes and must be able to teach fisheries ecology and management, ichthyology, general zoology, and/or limnology. (ii) BOTANIST: Candidate must have skills in whole plant structure and function and be able to teach plant physiology, physiological plant ecology, and development of plant anatomy. (iii) HUMAN ANATOMIST: Candidate must be able to teach human gross anatomy, microscopic anatomy, and human physiology courses for biology majors. (iv) MEDICAL MICROBIOLOGIST: Candidate should have a broad spectrum knowledge in medical microbiology, preferably with competence in medical bacteriology, medical mycology, parasitology, and virology, and must be able to teach introductory biology and/or microbiology courses. The position is committed to increasing the diversity of its faculty such that all students and community can benefit from multiple ethnic and gender perspectives. Completed applications, with transcripts, curriculum vitae, statement of professional goals, and three current letters of reference, must be sent by 15 February 1991 to: Dr. Wayne Savage, Chairman, Department of Biological Sciences, San Jose State University, San Jose, CA 95192. SJSU is an Equal Opportunity/Affirmative Action/Title IX Employer.
POSITIONS OPEN

UNIVERSITY OF MARYLAND
ASTRONOMY PROGRAM
FACULTY POSITION IN
THEORETICAL ASTROPHYSICS

The Astronomy Program invites applications for a tenure-track or tenured professorial position to start in September 1991. This position would be available subject to funding availability. Outstanding candidates in any area of theoretical astrophysics that overlaps with the current research interests of the department are encouraged to apply. Research areas include extragalactic astronomy, stellar atmospheres, solar and stellar radio physics, space plasma physics, cometary studies, galactic structure, and galactic and extragalactic ISM and star formation. Current research facilities include a mini-supercomputer, 25 workstations, and the BIMA millimeter array, which is expanding to nine elements.

The Astronomy Program expects to hire two more faculty over the next 3 years, including one additional person in theoretical astrophysics. The department is particularly interested in research involving the high resolving power of electrophoretic separations to isolate protein impurities and the development of methods that permit recovery and subsequent analysis by multiple analytical techniques. Characterization methods will include N-terminal sequencing and peptide mapping interfaced with mass spectrometry detection. The position requires a Ph.D. in Chemistry or Biochemistry, with previous experience in the separation of protein by HPLC and electrophoresis and interest in the development of techniques to perform micro-sequencing and micro-peptide mapping.

Interested individuals are invited to send their curriculum vitae and the letters of reference to: Dr. Gustav A. Walker, Corporate Recruiting/Position 5732-CA, The Upjohn Company, 7000 Portage Road, Kalamazoo, MI 49001-0199. Refer to position no. 5732-CA in your correspondence. An Equal Opportunity Employer M/F.

Our Commitment to Scientific Excellence Continues...

ASSISTANT/ASSOCIATE SCIENTISTS
Metabolism and Pharmacokinetics

The Bristol-Myers Squibb Pharmaceutical Research Institute has career opportunities in its Metabolism and Pharmacokinetics Department located in Syracuse, New York. These positions will play a major role in the nonclinical and clinical development and worldwide registration of new drug entities as well as product line extensions, and evaluation of novel drug systems in humans.

Responsibilities include development of analytical methods for drugs and their metabolites in biological fluids, quantitation of drugs in biological fluids using standard chromatographic techniques, and participation in the implementation of pharmacokinetic and metabolism studies in animals. The qualified individual should have a BS/MS in Pharmaceutical or Biological Sciences and 3-5 years of experience in analyzing drug substances in biological fluids. Expertise in performing surgical procedures in small animals is desirable. Computer literacy and good writing skills are essential.

We offer a competitive compensation package and a comprehensive benefit program which includes relocation assistance to a superb upstate NY living area. Interested candidates should submit a resume indicating salary history and requirements to: Dept. Metabolism & Pharmacokinetics, BRISTOL-MYERS SQUIBB COMPANY, P.O. Box 4755, Syracuse, NY 13221-4755. An equal opportunity employer M/F/V.

Bristol-Myers Squibb Company
BIOTECHNOLOGY

You'll Play A Leading Role In Our Process Development Area

Berlex Biosciences, formerly Codon and Triton Biosciences, is developing recombinant protein products for the areas of oncology, cardiovascular disease and related disorders. The following scientific positions are now available at our South San Francisco and Brisbane facilities for professionals who will play a primary role in supporting Process Development as well as other project areas.

Research Scientist
Bioanalytical Chemistry

You will lead a group engaged in developing and conducting assays for regulatory compliance of products derived from prokaryotic and eukaryotic cell cultures. This will also include direct involvement with biological product QC and routine environmental testing. In addition to a Ph.D. in Biological Science with an emphasis on immunochemistry, you must have 1 year of post-doctoral experience supported by some industrial experience in an analytical biochemistry environment. Familiarity with ELISA, SDS-PAGE, HPCE, Western Blot, DNA Hybridization and other bioassay techniques desired; working knowledge of GMP and GLP methodologies would be a definite asset.

Senior Biochemical Engineer
Process Development

As a key member of Process Development, you will lead process system design and implementation and manage optimization and scale-up programs. In this role, you will interface with project groups in cell culture, fermentation and downstream process development, clinical production, and facilities engineering. To be successful, you will need a Ph.D. in Biochemical/Chemical Engineering, 3-5 years directly related experience, and a working understanding of recombinant protein production systems. Experience in GMP operations and protein recovery/purification preferred.

Process Development Scientist
Protein Product Characterization & Formulation

Apply your in-depth expertise in protein chemistry to guide the development of stable formulations for protein-based drug products. Specifically, you will lead product characterization efforts, perform stability studies, and verify compatibility of formulations with drug delivery systems. The preferred candidate will have a Ph.D. in (Bio)Chemistry and 3 or more years experience in protein purification, formulation, and lyophilization processes. Experience in GMP operations and prior interactions with FDA would be a plus.

With facilities in both the East and West Bay, Berlex is an established biotech leader. As such, we are pleased to provide highly attractive salaries and a full complement of benefits. For immediate consideration, please submit your resume, indicating position of interest, to: Berlex Biosciences, Human Resources, Dept. JAB, 213 E. Grand Avenue, South San Francisco, CA 94080. An equal opportunity employer.

A Summary In Brief

GLOBAL SEARCH
The Technical Search and Recruiting Specialists

Recognized nationally as the premier search firm in Bio-Medical and Bio-Technical recruiting. Specialists in Toxicology, Pharmacology, Molecular Biology, Bio-Chemistry, Immunology and Pathology.

Contact:
Michael Burnett, General Manager
22425 Venture Blvd., Suite Six
Woodland Hills, CA 91364
818-992-4683 FAX 818-992-1750

Employer Fee Paid

MacARTHUR FOUNDATION
POSTDOCTORAL TRAINEESHIPS IN AGING

The MacArthur Foundation Research Program on Successful Aging invites applications from graduates of advanced degree programs to conduct research on a collaborative interdisciplinary study of aging in seven sites.

Trainees will work with a team of investigators working on longitudinal studies of elderly and will have a unique opportunity to be a part of interdisciplinary gerontologic research. While most trainees will be based in laboratories of investigators leading population-based studies, there is also an interest in applicants with a biological or physiological orientation who will serve as liaison between these studies and other more clinically-oriented and basic biological studies that are part of the research program.

The focus of the studies is on the maintenance of physical and cognitive functioning in a psychosocial and physiologic context and on developing new interdisciplinary approaches to larger issues in health and aging.

Positions are available for M.D.'s or Ph.D.'s with an interest in aging, physiology, neuropsychology, endocrinology, epidemiology, basic biological sciences, biostatistics, psychology, psychiatry, sociology or related fields. Positions are available at the University of Southern California, University of California at Irvine, Mt. Sinai Medical Center in New York, Yale University, the University of Michigan, The Karolinska University in Sweden, and Pennsylvania State University.

Emphasis will be placed on candidates' abilities to work in an interdisciplinary setting. Positions are available for terms of 1 or 2 years.

Salaries range up to $40,000, commensurate with qualifications and university policy.

Submit curriculum vitae, publications, names of three references, preferences for a specific site and a 2-page statement, indicating areas of expertise and future research plans to:
Deadline for Applications to be received is January 30, 1991
Lisa F. Berkman, Ph.D.
Department of Epidemiology
Yale School of Medicine
60 College Street
New Haven, Connecticut 06510

Affirmative Action Employer
DESIGN TOXICITY STUDIES FOR ONE OF THE WORLD'S LEADING ANIMAL HEALTH COMPANIES.

In its newly merged organization, SmithKline Beecham Animal Health has established itself as one of the world's most accomplished research and development organizations. We are currently seeking a Manager of Toxicology who will develop protocols and design Target Animal Toxicity studies in accordance with GLP rules.

You will remain informed of marketed and proposed compounds and their toxicological effects; monitor and document toxicology studies; and assist in feasibility studies, major product project proposals and new product analysis. You will also assist in the development of budgets and strategic and technical plans for the department.

The requirements for this position include a DMV degree with at least 3-5 years' experience as a practicing veterinarian, preferably with large animals, and a Master's or Ph.D. in Toxicology or Pharmacology. You will also need strong communication skills, the ability to work with all levels of staff and management, PC proficiency, and the ability to maintain the quality and on-time delivery of multiple assignments.

As part of SmithKline Beecham, one of the world's largest health care companies, we offer extremely competitive salaries and an excellent benefits package. To apply, send your resume to: Personnel Department, SmithKline Beecham Animal Health, 1600 Paoli Pike, West Chester, PA 19380. We are an Equal Opportunity Employer, M/F/H/V. Our site is a clean air zone.

SmithKline Beecham
Animal Health

BOSTON UNIVERSITY MEDICAL CENTER
EVANS RESEARCH DEPARTMENT/
DEPARTMENT OF MEDICINE
NEW POST-DOCTORAL TRAINING PROGRAM
FOR MDs AND PhDs

The Evans, one of the nation's oldest endowed basic and clinical research departments, invites applications for post-doctoral fellowships. Fellowship stipends (at NIH or higher levels) are guaranteed for several years to support the transition from trainee to initial faculty status. Starting dates on or after July 1, 1991 can be arranged individually.

An enriched program of visiting senior scientists, seminars, methods courses, etc. is being established to enhance the already excellent environment for joint training of MD and PhD scientists and for interactive research. MD programs can include appropriate clinical subspecialty training.

The Evans staff currently includes about 100 basic and clinical investigators studying a broad spectrum of areas ranging from molecular and cellular biology to organ physiology and human diseases. For detailed information about specific research programs and application procedures contact: John R. Murphy, Ph.D., Director Evans Research and Training Program, Boston University Medical Center, 88 East Newton Street, Boston, MA 02118.

Please enclose curriculum vitae and indicate your area of research interest.

National Institutes of Health
NEUROBEHAVIORAL TOXICOLOGIST

The Division of Toxicology Research and Testing (DIRT) of the National Institute of Environmental Health Sciences (NIEHS), National Toxicology Program, Research Triangle Park, NC has a permanent position (GM 13/14) for a Neurobehavioral Toxicologist. The position has a salary range of $42,601 to $65,444.

The successful candidate will be expected to:

1. Conduct original research in the area of neurobehavioral toxicology (develop new test protocols and investigate the site and mechanism of action of neurotoxicants using techniques of cellular and molecular biology). Research interest in the developing nervous system is preferred.

2. Serve as Project Officer for extramural contract(s) in neurobehavioral toxicity testing.

3. Provide expert consultation to the Program in matters involving neurobehavioral toxicology.

Candidates are required to have the following:

1. Ph.D. degree or its equivalent in toxicology, pharmacology, anatomy, physiology or other allied subject where training was focused on neurobehavioral toxicology.

2. Five or more years of postdoctoral research experience in neurobehavioral toxicology (preferably development neurotoxicology).

3. Strong interest in developing a research program which utilizes techniques of cellular and molecular biology to impact the areas of developmental and neurobehavioral toxicology.

4. Broad knowledge of neurobehavioral toxicology which will aid in the interpretation of testing data.

5. Ability to communicate effectively both orally and in writing.

6. Relevant publications in related scientific journals.

Applicants must be found to be eligible on a Civil Service Register. If interested, please send a curriculum vitae by February 15, 1991 to:

Ms. Norma Daye
Code: HNV25
NIEHS Personnel Office
P.O. Box 12233
Research Triangle Park, NC 27709

Any questions may be directed to Ms. Norma Daye at (919) 541-7513.

U.S. Citizenship Required
NIH is an Equal Opportunity Employer
BIOLOGY FACULTY POSITIONS

Applications are invited for three tenure-track AS- SISTANT/ASSOCIATE PROFESSOR positions to begin August 1, 1991. Required and postdoctoral experience desirable. Establishment of a strong, independent research program, direction of graduate students, and participation in the undergraduate and graduate teaching program is expected. Details of each position are as follows:

- **CELL BIOLOGY**. Both plant and animal cell biologists are encouraged to apply. Specific courses include: cell and molecular biology, developmental biology, and biochemistry. Send curriculum vitae and three letters of recommendation to: Dr. A. J. Fizzi, Chair, Search Committee, Department of Biology, Shippensburg University, Shippensburg, Pennsylvania 17257. Applications are encouraged by March 1, 1991.

- **VERTEBRATE BEHAVIOR**. Vertebrate behavioral ecologists are especially encouraged to apply. Specific courses include: animal behavior and vertebrate systematics. Send curriculum vitae and three letters of recommendation to: Dr. I. J. Schlosser, Chair, Search Committee, Department of Biology, Shippensburg University, Shippensburg, Pennsylvania 17257. Applications are encouraged by March 1, 1991.

- **MOLECULAR BIOLOGIST**. A new faculty member will contribute to an active undergraduate Fisheries and Wildlife Biology Program. Appropriate professional experience may be substituted for the Ph.D. in some instances. Send curriculum vitae and three letters of recommendation to: Dr. J. F. Nyberg, Chair, Search Committee, Department of Biology, Shippensburg University, Shippensburg, Pennsylvania 17257. Applications are encouraged by March 1, 1991.

**RADIATION BIOLOGIST/CELLULAR BIOLOGIST/ MOLECULAR BIOLOGIST**

The Department of Radiation Biology at Massachusetts General Hospital (MGH) has an opening for a cellular/molecular biologist to do research on biological, chemical, and physical effects of radiation. Position is for a tenure-track assistant professorship at MGH. Responsibilities include the design and implementation of research projects, the supervision of students and postdoctoral fellows, and the publication of results in peer-reviewed journals. Applicants should have a Ph.D. in the biological sciences and postdoctoral experience. Send curriculum vitae, the names and addresses of three references, and a statement of research interests to: Dr. John O. Batsch, Chair, Search Committee, Department of Radiation Biology, Massachusetts General Hospital, 55 Fruit Street, Boston, MA 02114.

**POSITIONS OPEN**

The Department of Veterinary Anatomy and Public Health at Texas A&M University invites applications and nominations for a postdoctoral position. This appointment is for a full-time 12-month position. Tenure-track appointments are encouraged. Specific courses include: cancer biology, biochemistry, and molecular cell biology. Send curriculum vitae and the names of three references to: Dr. E. C. Vigil, Chair, Search Committee, Department of Veterinary Anatomy, Texas A&M University, College Station, TX 77843-4458. Applications are encouraged by February 15, 1991.

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

**BIOLOGIST, TENURE-TRACK POSITION**

For September 1991 to teach a majors' course in zoology, an upper level/graduate course in his/her area of specialization, and to participate in the general education program for nonmajors. The successful candidate will be expected to teach, within a year or two of employment, a part-time course at the University of North Dakota, as co-director of the Health Sciences Office, which includes the promotion and maintenance of placement affiliations with hospitals and health professions schools. A Ph.D. is preferred and college-level teaching experience is required. Applicants should send curriculum vitae, a statement of teaching and research interests, transcripts, and the names, addresses, and telephone numbers of three references to: Dr. Pene- lope J. Padgett, Chair, Search Committee, Department of Biology, Shippensburg University, Shippensburg, Pennsylvania 17257. Applications are encouraged by February 15, 1991.

Shippensburg University is an Equal Opportunity/Affirmative Action Employer. Women and all minorities are encouraged to apply.

**UNITED STATES PUBLIC HEALTH SERVICE**

The National Cancer Institute (NCI) has an opening for a postdoctoral research position in the Office of Biological Hazard Analysis. The successful candidate will be expected to participate in ongoing research projects and to conduct independent research related to environmental health. The candidate will have a Ph.D. or M.D. in a health-related field and will work closely with other NCI staff members. Interested candidates should submit a curriculum vitae and the names of three references to: Dr. J. E. Rose, National Cancer Institute, Bethesda, MD 20892.

**POSITIONS OPEN**

The Department of Veterinary Anatomy and Public Health at Texas A&M University invites applications and nominations for a postdoctoral position. This appointment is for a full-time 12-month position. Tenure-track appointments are encouraged. Specific courses include: cancer biology, biochemistry, and molecular cell biology. Send curriculum vitae and the names of three references to: Dr. E. C. Vigil, Chair, Search Committee, Department of Veterinary Anatomy, Texas A&M University, College Station, TX 77843-4458. Applications are encouraged by February 15, 1991.

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Shippensburg University is an Equal Opportunity/Affirmative Action Employer. Women and all minorities are encouraged to apply.

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POSTDOCTORAL POSITION. Available immediately to participate in research on molecular virology and immunology of HIV/SIV in vitro and in vivo studies using chimpanzees and macaques under the direction of Dr. Jorg Edberg. A Ph.D. in microbiology with experience in the virological and immunological aspects of human and nonhuman primate retroviruses is preferred. Salary ranges from $22,339 up, with consideration for prior related postdoctoral experience. Send curriculum vitae and the names and telephone numbers of three references by 15 January 1991 to: Personnel Director (084), Southwest Foundation for Biomedical Research, P.O. Box 28147, San Antonio, TX 78228-0147. Equal Opportunity Employer, M/F.

MOLECULAR EVOLUTION/SYSTEMATICS

POSTDOCTORAL POSITION. Available to study molecular evolution and phylogenetic relationships among avian orders. Candidates should have experience with molecular methods such as DNA sequencing and RFLP analysis. Send resume and names and numbers of three references to: Dr. David P. Mindell, Department of Biological Sciences, University of Cincinnati, Cincinnati, OH 45221-0006. Telephone: 513-556-9743. Equal Opportunity Employer.

POSTDOCTORAL POSITION IN NEUROPHYSIOLOGY

A position is available immediately at University of California, Los Angeles, to study the circuit properties of long pathways within the rat limbic system and the properties of modulators of synaptic transmission in vivo. Candidates should have demonstrated expertise in at least one of the following techniques in vivo extra- or intracellular recording from vertebrates. Intracellular labelling, multisite iontophoresis. Send curriculum vitae and names of three references to: Dr. David M. Finch, Ph.D., 73-364 CHS, Brain Research Institute, University of California, Los Angeles, CA 90024. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

A position is available to study RNA-protein recognition, with particular emphasis on RNA structural features recognized by arginine-rich domains [see Calnan et al., Gene Dev., in press, (February 1991); Marciniak et al., Cell 63, 791]. A strong background in protein/peptide biochemistry is essential and experience in molecular biology is helpful. Please send Curriculum Vitae and three letters of reference to: Dr. Alan Frankel, Whitehead Institute, 9 Cambridge Center, Cambridge, MA 02142.

A POSTDOCTORAL POSITION IN BACTERIAL PATHOGENESIS is available to investigate interactions of pathogenic Neisseria with human neutrophils and epithelial cells, including characterizing receptor-ligand interactions, mechanisms of adherence and invasion, and roles of bacterial physiology in modulating these interactions. Training in molecular genetics is preferable but not mandatory. Please send resume and names of three references to: Richard Rest, Department of Microbiology and Immunology, Hahnemann University, Philadelphia, PA 19102-1192. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION. To research the effect of the structure and mechanics of arteries and/or microvessels on water and solute exchange between blood and tissue. Current projects include studies of: (i) possible mechanisms of atherogenesis and (ii) regulation of water and solute exchange across intestinal capillaries and venules. Experience in microscopy, arterial perfusion, or cannulation of microvessels would be an advantage. This position is funded by an NIH training fellowship. Applicants must be U.S. citizens or permanent residents. Start date: 1 January 1991. Applications accepted until position is filled. Salary: $17,000 to $25,000 dependent upon experience. Applicants should send curriculum vitae and three letters of reference to:

Dr. Ann Baldwin
Department of Physiology
College of Medicine
University of Arizona
Tucson, AZ 85724

The University of Arizona is an Affirmative Action/Equal Opportunity Employer. Females and minority members are urged to apply.

PROTEIN BIOCHEMISTRY

A POSTDOCTORAL POSITION is available to investigate interactions of pathogenic Neisseria with human neutrophils and epithelial cells, including characterizing receptor-ligand interactions, mechanisms of adherence and invasion, and roles of bacterial physiology in modulating these interactions. Training in molecular genetics is preferable but not mandatory. Please send resume and names of three references to: Richard Rest, Department of Microbiology and Immunology, Hahnemann University, Philadelphia, PA 19102-1192. Equal Opportunity/Affirmative Action Employer.
The only way to tell Scientists you’ve written a book is to reach ’em where they read.

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The circulation of SCIENCE is almost four times greater than its nearest competitor. It’s the prestige publication among peer review journals. And it reaches the influential scientists and decision-makers you had in mind when you wrote your book.

If your book was worth writing, it’s worth promoting. And selling. And there’s no better way to do both than through the pages of the pre-eminent publication in the field: SCIENCE.
ENZYMOLOGY RESEARCH

The Biochemistry Division has three positions available within the Enzymology Department. The research efforts in this group concentrate on the mechanisms of enzyme catalysis & inhibition.

Senior Research Biochemists

Position #1: strong enzymology training with experience in molecular biology and protein purification. Position will involve cloning, purification, and characterization of enzymes of therapeutic interest.

Position #2: strong enzymology training with experience in physical organic and mechanistic chemistry. Position will involve detailed kinetic and mechanistic studies of enzymes of therapeutic interest.

Candidates for Senior Research Biochemist positions should have a Ph.D. or equivalent in chemistry or biochemistry, at least two (2) years of postdoctoral experience, and a strong publication record.

Postdoctoral Fellowship Position

Ph.D. in chemistry or biochemistry with a strong background in enzymology. Position will involve studying mechanisms of protease catalysis and inhibition.

All candidates must also possess strong communication skills and the ability to work in a team environment.

Merck Sharp and Dohme Research Laboratories is located in Rahway, New Jersey approximately 25 miles from New York City. Our salaries, benefits and growth potential are excellent. For consideration, send your resume with the names of three references to Human Resources Manager, Merck & Co., P.O. Box 2000, AD#55, Rahway, New Jersey 07065. R80-A3.

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PROCEPT, Inc., is a rapidly growing biotechnology company dedicated to the principle of immunotherapeutic drug development. We are working with a world-class team of scientists to exploit our proprietary receptor technology for the successful treatment of allergy, autoimmune diseases and organ transplant rejection.

We are assembling a first-rate team of structural biologists and chemists to conceive and create novel pharmaceutical compounds based on our proprietary receptor technology. You will interface with our existing team of scientists encompassing immunology, cellular and molecular biology, protein biochemistry and macromolecular chemistry to generate three dimensional models for these structures and apply this information to the design and synthesis of unique drug compounds.

RATIONAL DRUG DESIGN

Director

We seek a senior-level scientist capable of directing the efforts of this multidisciplinary research group focusing on the molecular analysis, design and synthesis of unique drug compounds. The ideal candidate will have a Ph.D. in a scientific discipline appropriate for this field, 5+ years professional experience beyond the postdoctoral level, and proven expertise in managing a successful research team or program in rational drug design. Strong management skills and the ability to attract, motivate and supervise top quality scientists are essential.

In addition, positions are available at all levels (BS/MS/Ph.D.) for scientists with at least 3 years of post-degree laboratory experience and a demonstrated record of professional achievement in the following scientific disciplines:

Peptide Chemistry/Medicinal Organic Chemistry

These positions require proven skills in the areas of synthetic organic chemistry and/or peptide synthesis, and the ability to apply these talents to the novel design of effective drugs. Previous medicinal chemistry experience in a major pharmaceutical company is preferred.

Computational Chemistry/Macromolecular Modeling

Successful candidates should be familiar with VMS and UNIX operating environments, Silicon Graphics workstations, molecular modeling software (BIOSYM), and have a strong working knowledge of organic chemistry for interacting with medicinal chemists in the drug design team.

Structural Biology/X-Ray Crystallography

You will utilize your skills in biophysical chemistry to generate three dimensional structures based on single crystal X-ray diffraction and/or 2D NMR studies. Successful candidates will interact across a broad range of biochemical and biophysical disciplines and must be able to integrate solution structures with computational chemistry for the successful design of small molecule drug candidates.

Procept offers an excellent compensation and benefits program including a 401k plan and incentive stock options for all scientists on our staff. We provide a working environment laced with entrepreneurial spirit, a vast network of academic advisors for developing important scientific collaborations, and we encourage the publication of significant research findings in the scientific literature. Please forward your resume, in confidence to: Human Resources, Procept, Inc., 840 Memorial Drive, Cambridge, MA 02139.

An Equal Opportunity Employer
POSTDOCTORAL POSITION. Biochemistry of lignin degradation. Research is aimed at identifying and characterizing uptake systems for lignin fragments in white rot fungi. Includes work on intracellular metabolic pathways. Available 1 February 1991 for one year with possibility of renewal. Salary: $31,000. Must be U.S. citizen. Reply: Kent Kirk, Forest Products Labora-


POSTDOCTORAL POSITION. In the cellular and molecular biology of Hematopoiesis at the New England Deaconess Hospital Department of Hematology/Oncology search candidates with unique experience. Available immediately. Requirements include a Ph.D. in the background in molecular and/or cell biology. Interested candidates should submit a curriculum vitae, research experience and interests, their curriculum vitae, and the names and addresses of three references to: Dr. Hava Avaraham/Dr. Jerome E. Groopman, Division of Hematology/Oncology, Harvard Medical School, New England Deaconess Hospital, 110 Francis Street, Boston, MA 02215.

POSTDOCTORAL POSITION IN CELLULAR BIOLOGY. (Available immediately.) Recent Ph.D. in biochemistry or biophysics with immunology to undertake studies of membrane changes in airway smooth muscle cells induced by inflammation. Studies include phospho-

POSITON

ystimostimulin, drug effects on second messenger systems at the role of cell surface receptors. Experience in techniques related to signal transduction is essential. Send curriculum vitae and the names and addresses of three references to: M. Sokoloff, Cell Biology, Yale School of Medicine, Yale University, 290 Congress Avenue, New Haven, CT 06519. Equal Opportunity Employer.

POSTDOCTORAL POSITION. Available immediate-
ly for studies of infection of cells of the hemotopoi-

eic and reticuloendothelial systems with murine retroviruses and mechanisms of their immunological elimination. Experience with tissue culture and assays of immune function highly desired. Excellent supervisory position in a highly productive and multidisciplinary environment. Send curriculum vitae and names of three refer-
cences to: Dr. Philip Furmanowski, Professor, Chairman, Department of Biology, New York University (NYU), 1009 Main Building, New York, NY 10003. NYU encourages applications from women and members of minority groups.

POSTDOCTORAL POSITIONS. The Cystic Fibrosis Research Center at the University of California, San Francisco, invites applications for Ph.D. and M.D. postdoctoral research fellows. Studies of the cellular and molecular aspects of cystic fibrosis are interdisciplinar, involving members of the Departments of Biochemistry, Molecular Biology, Pathology, Pediatrics, and Physiology. Areas of interest include: ion transport, the biology of inflammation, the CF gene product CFTR, mucin gene regulation, and other areas of epithelial cell biology. Send curriculum vitae and names of three references by 1 February 1991 to: Jay Nadell, M.D., Cardiovascular Research Insti-
tute, Box 0130, University of California, San Fran-
cisco, San Francisco, CA 94143.

ROCKEFELLER UNIVERSITY

POSTDOCTORAL POSITIONS IN PROTEIN CRYSTALLOGRAPHY. Postdoctoral positions are available to work in a well-equipped laboratory on projects involving various areas of protein crystallography. Knowledge in protein chemistry, cell biology, or experi-

ence in protein expression and purification. Knowledge of crystallographic techniques is preferred, but consider-
atation will be given to those trained in molecular biology. Applicants should have a Ph.D. or equivalent degree and have a strong background in crystallography, biophysics, and molecular biology experience required. Send curriculum vitae and references to: G. R. Klimpel/D. Nies, Department of Microbiology, J. J. Zuckerman Biophysics, The Rockefeller University, Box 3, 1233 York Avenue, New York, NY 10021–6399. An Equal Opportunity and Affirmative Ac-
tion Employer.

MINORITY MEDICAL RESEARCH FELLOWSHIPS

The Minority Medical Faculty Development Program, sponsored by the Robert Wood Johnson Foundation, has up to eight new positions available beginning in 1992. The program offers postdoctoral research fellowships to phy-
sicians in the fields of pediatrics, internal medicine, biophysics, pathology, and physiology. The fellows will receive an annual stipend of up to $50,000 and a $25,000 annual grant toward support of research activi-
ties. In addition to the above eligibility require-
ments, applicants must be U.S. citizens and must have completed their formal clinical training by the projected time of entry into the program. Applications for appointment in 1992 must be submitted by 30 April 1991. Interviews with selected applicants will be carried out in July 1991, and successful candidates will be notified in December 1991. Further information and materials, contact:

Harold Amos, Ph.D., Program Director, or

Charlotte Litt, Ph.D., Deputy Program Director

Minority Medical Faculty Development Program

Harvard Medical School

P.O. Box 446

Brookline, MA 02147

Telephone: 617-732-1947

INFECTIOUS DISEASES FELLOWSHIP UNIVERSITY OF CALIFORNIA, SAN DIEGO SCHOOL OF MEDICINE

Opening in July 1991 and 1992 for medical doctors who have completed residency in internal medicine. We offer 3 years of National Institutes of Health–supported training, designed for physicians who desire a career in academic medicine. Research opportunities in endotoxin biology, microbial pathogenesis, parasitology, and retro-virology. Clinical and diagnostic microbiology training and the veterans affairs medical center. Must be U.S. citizens or permanent residents. Send curriculum vitae and letter of intent to: Joshua Fierer, M.D., Infectious Diseases Section (111F), Veterans Affairs Medical Center, 3330 La Jolla Village Drive, San Diego, CA 92161.

POSTDOCTORAL FELLOWSHIP. The University of Texas Medical Branch (UTMB) at Galveston, Texas, has a position available to study different aspects of host defenses against bacterial and viral infections. Ongoing studies include activation of NK cells and T cells by bacteria and cytokine production by bacteria infected and/or stimulated cells. The laboratory and the medical school are located in the Galveston Medical Center.galveston, TX 77550. UTMB is an Equal Opportunity/Affirmative Action Employer, M/F/H/V. UTMB hires only individuals authorized to work in the United States.

NIH TRAINING POSITION

RESEARCH TRAINING FELLOWSHIPS available for M.D. or Ph.D. carried out in 1992. Applicants should have completed postdoctoral research fellowship training in a specialty field in biology. The position is available immediately.

RESEARCH FELLOWSHIPS AVAILABLE FOR M.D. or Ph.D. in the field of infective diseases. The position is available immediately.

PREDICTOR AND POSTDOCTORAL IN VITRO INOCULATION AT UNIVERSITY OF CALIFORNIA LOS ANGELES (UCLA) MEDICAL SCHOOL

The Department of Microbiology and Immunology, UCLA School of Medicine, invites applications for positions in virology. Research programs include the molecular and cellular basis of latency and pathogenesis of herpes simplex and cytomegalovirus (Jack G. Ste-
vens), molecular biology of influenza viruses, transport and sorting of viral proteins, assembly of viruses (Debi P. Nayak), gene regulation and transformation by pap-
uloma viruses (Felix O. Wersten), molecular mechanism of viral persistence (Rafi Ahmed), molecular biology of herpesviruses and regulation of viral transcription (Asim Dasgupta), molecular genetics and pathogenesis of human retroviruses (Irvin S. Chen), and molecular biology of herpesvirus transformation and oncogenesis (Lawrence T. Feldman). Stipends are available. For predo-
toral training leading to the Ph.D. degree, contact: Dr. Rafi Ahmed; for postdoctoral positions, contact: Dr. Debi P. Nayak. Department of Microbiology and Immunology, UCLA School of Medicine, Los Angeles, CA 90024–1747. An Equal Opportunity/Affirmative Action Employer.
POSTDOCTORAL SCIENTIST AND RESEARCH ASSOCIATE

Make a difference. Cetus Corporation is developing therapeutics for cancers and infectious diseases based on biotechnology. We encourage innovation and provide opportunities to become involved in a wide variety of research projects. Join our efforts in one of the following positions.

POSTDOCTORAL SCIENTIST

You will improve the production and screening of random peptides expressed on phage particles. Working to develop this drug discovery technique, you will be searching for and characterizing peptides that bind to proteins of therapeutic interest. Publication of results is encouraged. PhDs with a strong background in molecular biology or receptor-ligand interactions will be considered.

RESEARCH ASSOCIATE

As part of our Protein Chemistry department, you will participate in the microsolation and characterization of rare proteins from tissue culture and other sources in addition to purification, refolding, structure and function studies of recombinant proteins produced in a variety of expression systems.

Applicants should have an MS in Biochemistry or a related life science and at least 3 years of direct work experience in Protein Chemistry. Familiarity with state-of-the-art protein isolation methodologies is desirable. You will be part of an interdisciplinary approach to drug discovery, interacting closely with cell and molecular biologists in the project team.

Cetus offers an excellent benefits package along with a collaborative environment that fosters career and personal growth. For consideration, please send your resume to Cetus Corporation, Box 90264/LL, 1400 Fifty-Third Street, Emeryville, CA 94608. We are an Equal Opportunity Employer.
SCIENTIFIC/TECHNICAL
SENIOR RESEARCH POSITIONS

The U.S. Environmental Protection Agency (EPA) is seeking highly qualified candidates for senior research positions at our environmental research laboratories in the following locations: Narragansett, Rhode Island; Research Triangle Park, North Carolina; Athens, Georgia; Gulf Breeze, Florida; Cincinnati, Ohio; Duluth, Minnesota; Las Vegas, Nevada and Corvallis, Oregon. The person filling one of these positions will report directly to the Laboratory Director.

Depending on the specific position, applicants should have an advanced degree (doctorate preferable) in one of the following areas: ecological sciences, health sciences, environmental sciences, physical sciences, engineering or mathematical sciences; and several (at least seven) years experience as a principal investigator and direct experience with scientific assessments for environmental issues. Applicants must also meet the technical qualifications described in the Vacancy Announcement.

To obtain a copy of the Vacancy Announcement for the position in which you are interested, a copy of the Federal Application Form (SF-171), and a description of each laboratory, call or write Ms. Chaunta Gladney, U.S. EPA, Executive Resources and Special Programs Division, PM-224, Room 3910, 401 M Street S.W., Washington, D.C. 20460, (202/382-3328).


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TOXICOLOGY

Amoco's Environmental Affairs and Safety Department in Chicago, Illinois, has two new positions available in its Toxicology and Product Stewardship Division.

One position involves developing toxicology and chemical information for Amoco product registrations in the U.S.

The second position involves conducting toxicologic evaluations of Amoco products intended for international markets.

Applicants must have an M.S. in Toxicology or a related discipline. Some industry experience would be advantageous. Strong interpersonal skills are expected.

Amoco offers an excellent compensation and benefits package. For consideration, reply with resume and salary history to:

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200 E. Randolph Dr.
Chicago, IL 60601
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CHAIRMAN
DEPARTMENT OF
CELLULAR AND
MOLECULAR IMMUNOLOGY

The Beckman Research Institute of the City of Hope, Duarte, CA, is seeking a Department Chairman to head and staff a newly created Department of Cellular and Molecular Immunology. Applicants should have a PhD or MD degree, and have an established laboratory with a record of significant research accomplishments, and external funding. An appointment will be made at the Associate to Full Professor level. Research areas should emphasize molecular approaches in one or more of the following areas: T-cells and T-cell receptor function, immune response and antigen presentation, lymphokines and immune cell modulation, autoimmunity and suppression, immunogenetics, tumor immunology, vaccines, and immune cell therapy. The City of Hope is a modern research facility with programs in protein chemistry, molecular biology, and neurosciences. Ample opportunities are available for research collaborations in both clinical and basic sciences. Qualified individuals should send their curriculum vitae by February 15, 1991, to Dr. John E. Shively, Chairman of Search Committee for Cellular and Molecular Immunology, Beckman Research Institute of the City of Hope, 1450 East Duarte Rd., Duarte, CA 91010. An Equal Opportunity / Affirmative Action Employer.
PROJECT MANAGER,
FETAL CELL ISOLATION

Located in the Seattle area, CellPro, Incorporated is an early stage biotechnology company which is developing cell separation systems for medical research, diagnostic and therapeutic applications. One of the Company's major projects is the development of a system that can be used to isolate fetal cells and make prenatal diagnoses from samples of maternal blood.

To direct this project, we are currently seeking a Medical Geneticist or Cell Biologist at the Ph.D. level. The candidate will have a minimum of five years postdoctoral experience in clinical and/or laboratory research in the field of human genetics. Experience in classical cytogenetics and in situ hybridization, as well as monoclonal antibodies and flow cytometry is required.

Send Curriculum Vitae to:
Human Resources Administrator
CELLPRO, INCORPORATED
22322-20th Avenue S.E. #100
Bothell, WA 98021-8446

ASSOCIATE SCIENTIST
POSITION

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

Competitive salary and fringe benefits are available. Please send CV and three names or letters of reference to:

Dr. Kenneth M. Baker
Wells Center for Research
Geisinger Clinic
North Academy Avenue
Danville, PA 17822-2611.

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Geisinger

Postdoctoral Fellow
Peptide and Peptidomimetic
Chemistry Related to Amylin

The PARKE-DAVIS Pharmaceutical Research Division of Warner-Lambert Company is seeking a Postdoctoral Fellow to contribute to its expanding discovery programs on novel mechanistic approaches to the treatment of diabetes. The position will focus on peptide chemistry related to the 37 amino acid peptide, amylin, which has been implicated in NIDDM. The fellow will join a small team of scientists interested in the design, synthesis and structural evaluation by high field NMR and molecular modeling of peptides related to amylin. In addition, there will be the opportunity to work closely with biological scientists involved in the evaluation of novel mechanisms in diabetes.

The ideal candidate will be a recent Ph.D. in Organic or Medicinal Chemistry, with some experience in solid phase peptide synthesis. Familiarity with CD and 2D NMR spectroscopy would also be desirable.

Our modern facilities are located adjacent to the University of Michigan campus, in an outstanding working and living environment. PARKE-DAVIS fosters a dynamic, challenging and highly collaborative professional environment with opportunities for personal and scientific growth. If you are interested in applying for this position, please forward your curriculum vitae and list of references to Human Resources, Box JDM-915PD, PARKE-DAVIS Research Division, Warner-Lambert Company, 2800 Plymouth Road, Ann Arbor, MI 48105. Please refer to job #3299 when responding. “Smoke-Free Work Environment”

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We are committed to your continued scientific development, your participation in scientific publications, with participation at scientific meetings encouraged. Our laboratories are located in downtown Kalamazoo, a mid-sized community in southwestern Michigan, midway between Detroit and Chicago. Upjohn offers a highly competitive compensation and benefits package and in a region with reasonable housing and living costs. Qualified candidates are invited to submit their resumes, cover letters, reference names and copies of transcripts to: THE UPJOHN COMPANY, CORPORATE RECRUITING/POSITION 5731-HA, 7000 PORTAGE ROAD, KALAMAZOO, MI 49001-0199. Please refer to position 5731-HA in your letter. An Equal Opportunity Employer M/F.

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POSTDOCTORAL RESEARCH ASSOCIATE Position available spring 1991 for the study of the effects of space flight on immune responses and resistance to infection. Applicants should have extensive experience in immunology and/or microbiology/infectious diseases research. Please send curriculum vitae and names and addresses of three references to: Dr. Gerald Sonnenfeld, Department of Microbiology and Immunology, School of Medicine, University of Louisville, Louisville, KY 40292.

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**Protein Chemist**

You will determine the possibility of delivering peptides by electrotransport. Requires a PhD, 2-5 years’ postdoctoral experience and a significant understanding of protein stabilization and characterization. A background in physical chemistry or electrochemistry is desirable.

For consideration, please call Darlene Markovich at (415) 494-5214; or fax your cv/resume to (415) 494-5151; or send it to: ALZA, Employment Department, 950 Page Mill Road, P.O. Box 10950, Palo Alto, CA 94303-0802. EOE.

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The District offers a comprehensive and competitive benefits package. Relocation assistance is available. To apply, send resume and a cover letter illustrating your qualifications by January 25, 1991 to:

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Exam Unit, 2127 Adeline Street
P.O. Box 24055
Oakland, CA 94623-24055
Fax (415) 451-1289

For job announcement phone (415) 287-0735. Resumes will be screened by a review committee and successful candidates will be invited to a Qualifications Appraisal Interview tentatively scheduled for the week of February 4, 1991.
POSITIONS OPEN

EXPERIMENTAL HEMATOPOATHLOGIST

The center has an opening for an individual with expertise in clinical hematopathology and research interest in the application of molecular techniques to the study of normal and abnormal hematopoiesis. Demonstrated ability to successfully compete for research funding preferred. Please send curriculum vitae to: Irwin D. Bernstein, M.D., Department of Hematology and Oncology, New York Presbyterian Hospital, 622 W. 168th Street, New York, NY 10032.

PHYSIOLOGIST, PHARMACOLOGIST, BIOCHEMIST

Applications are invited for full-time positions at the laboratories of National Institutes of Health, National Institutes of Environmental Health Sciences, Research Triangle Park, North Carolina. Position responsibilities include research in physiology, pharmacology, and biochemistry. Candidates with experience in experimental design and methodology are encouraged to apply. Salary range: $25,850 - $38,780. Application deadline: June 30, 1984.

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THE UNIVERSITY OF QUEENSLAND DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY RESEARCH OFFICER, SENIOR RESEARCH OFFICER (TWO POSITIONS)

We are seeking neuroscientists (or electrical engineers) to join a team working on the characteristics of autonomic neurons and their response to damage. Applicants should have research interests in synaptic mechanisms, neural connectivity, and/or development and regeneration. Experiments involve primarily in vitro studies on central and peripheral neurons. Postdoctoral experience in electrophysiological recording, intracellular dye techniques, and, to some degree, physiology and/ or computer modeling of neurons is preferred. Appointment to 31 December 1991 in the first instance, with renewal possible to end of June 1992. Minimum salary: Research officer, $32,762; senior research officer, $33,163 to $37,420.

ASSISTANT PHYSICIST: Ph.D. in x-ray optics/physics. Expertise and/or experience should include: design and construction of x-ray optical components, synchrotron-based equipment, and using synchrotron x-rays for surface reflection and imaging, x-ray coherent optics and its use. All of the above evidenced by a minimum of three to five publications in refereed journals. Conceive and implement innovative design and carry out development work of synchrotron-based equipment. Conceive and implement novel x-ray optics to make full use of the high power of coherent x-ray photons provided by the Advanced Photon Source. Test the x-ray optics and use of the equipment at synchrotron sources. Publish results in refereed journals and present them at meetings, conferences, workshops, etc. Actively participate in the commissioning of the synchrotron effort of x-ray optics and novel instrumentation for the 7-GeV Advanced Photon Source. Salary: $3825 per month, 40-hour week plus appropriate fringe benefits. Application deadline: January 31, 1991.

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MEETINGS

AMERICAN-ROMANIAN WORKSHOP FOR RECENT POSTDOCTORAL GRADUATES

The National Academy of Sciences and the Romanian Academy will jointly sponsor a 3-week summer workshop in ecology/environmental sciences. The workshop will include ten American scientists and ten Romanian scientists, all of whom earned the Ph.D. degree or equivalent accomplishments since January 1984. The workshop will consist of 2-week sessions to be held in the Danube Delta of Romania in June 1991. The National Academy of Sciences will support an interdisciplinary team of American scientists that can contribute to an integrated assessment of ecological problems in the Danube Delta.

The program's emphasis will be on such topics as: wetlands and floodplain restoration and management; pollutant cycling and impacts, with emphasis on eutrophication; fisheries restoration and management; wildlife management; effects of toxic substances; environmental engineering; hydrodynamics and sediment flow; ecosystem modeling; landscape characterization and development of geographic information systems, and other aspects of applied ecology. Application requirements include curriculum vitae, a list of publications, a description of the relevance of participation in the workshop to present academic and long-term plans, and two letters of recommendation. Application deadline: 8 February 1991. Notification date: 1 March 1991. To receive a program announcement, please direct all correspondence to: Office of Soviet and East European Affairs, National Academy of Sciences, 2101 Constitution Avenue, N.W., Washington, D.C. 20418. Telephone: 202-334-3650. FAX: 202-334-2614.

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