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*The Scientist,* July 23, 1990

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**POSITIONS OPEN**

ASSISTANT PROFESSOR
DEPARTMENT OF BIOCHEMISTRY
AND MOLECULAR BIOLOGY

Applications are invited for a tenure-track position at the assistant professor level. Applicants should have two or more years of postdoctoral experience and be prepared to lead a program in molecular biology and biochemistry. Applicants should have a Ph.D. and M.D. degree, at least 2 years of postdoctoral experience and an interest in developing an independent research program of high academic and educational value in the area of molecular biology and biochemistry. The successful applicant will be expected to develop a strong program of research and to teach undergraduate and graduate courses in their area of specialization. The successful applicant will be expected to publish in refereed journals, to participate in student and faculty recruitment, and to contribute to the academic and professional development of the college.

**MOLECULAR BIOLIGIST/EMBRYOLOGY**

The Department of Comparative Medicine, Tufts University School of Veterinary Medicine, has an immediate opening for an ASSISTANT PROFESSOR to join our experimental embryology program on the Grafton campus. The position requires both veterinary and Ph.D. degrees. The individual selected must have a strong background in the reproduction of domestic animals with a focus on mammalian developmental biology. Applicants with established expertise in the molecular biology of spermatogenesis and early embryonic development will be given preference. Additional technical experience in molecular biology and in vitro culture techniques is essential. Responsibilities will include participation in the reproductive embryology course taught to veterinary students. Salary and benefits are competitive. Applications will be received until 1 August 1991. Applicants should include curriculum vitae, a brief statement of research goals, and three letters of reference sent to:

Dr. Carol Reinisch, Chairperson
Department of Comparative Medicine
136 Harrison Avenue
Boston, MA 02111

Tufts University is an Equal Opportunity/Affirmative Action Employer.

**BIOCHEMISTRY/MOLECULAR BIOLOGY**

The Department of Chemistry and Biology at Jackson, State University invites applications for an ASSISTANT PROFESSOR, starting fall 1991. The position is non-tenure, but may be converted later to tenure track. The duties include teaching introductory and graduate levels, and to perform research in molecular biology. Send curriculum vitae, transcripts, three letters of recommendation, and a summary of research plans by 31 July 1991 to: Dr. Arthur Jones, Head, Department of Biology, Jackson State University, Jackson, MS 39217.

**ASSISTANT PROFESSOR**
BIOLOGY/ENVIRONMENTAL BIOLOGY

New Mexico Institute of Mining and Technology, Department of Biology invites applications for a tenure-track position. Primary teaching responsibilities will be an introductory biology course for majors, introductory zoology, and research in the area of environmental biology (e.g., ecology, limnology). The successful applicant will have a Ph.D. in biology, zoology, or a related field and will be expected to develop, fund, and maintain an active research program in environmental biology and to supervise graduate students. Preference will be given to applicants with postdoctoral experience and one or more years of college-teaching experience. Salary will be commensurate with experience and qualifications. Starting date: January or later up to August 1992. Applications will be reviewed beginning 1 October 1991. Send curriculum vitae, college transcripts, statement of research and teaching interests, and four letters of reference to: Dr. Robert R. Roberts, Head of the Department of Biology, New Mexico Institute of Mining and Technology, Human Resources, Wells Hall Box C-069, Socorro, NM 87801.

Affirmative Action/Equal Opportunity Employer.
ASSISTANT PROFESSOR, TOXICOLOGY. Tenure track. Ph.D. in toxicology, pharmacology, or related discipline and 2 years of postdoctoral training required. Strong background in renal, respiratory, cardiovascular, neuro, or general toxicology preferred. Teach undergraduate and graduate courses and develop research programs. Salary range is $34,500-$40,000. Review begins on 1 September 1991. Send curriculum vitae, names of three references, and summary of research plan to: Dr. Zaher Shalhoub, Search Chair, Assistant Professor in Toxicology, University of the Island, P.O. Box G, Kingston, RI 02881. An Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR OF PATHOLOGY. Seeking M.D. or Ph.D. in basic sciences with 2 to 5 years of postdoctoral experience in molecular pathology to teach and do research in special areas of molecular pathology. Should be capable of collaborative and/or independent research support. Duties include teaching and research. Send curriculum vitae and three letters of reference to: Search Committee, Department of Pathology, The University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75390-9072. An Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE PROFESSOR, PHARMACOLOGY/TOXICOLOGY. Applications are invited for a non-tenure-track position at the research associate professor level. Must be a U.S. citizen or have the legal right to work in the United States. Minimum qualifications include: Ph.D. in pharmacology/toxicology or biochemistry with 2 to 3 years of postdoctoral experience. Competitive candidates will have strong backgrounds in bioinformatics testing and experience in pharmacology/toxicology or biochemistry. Salary is commensurate with experience. Send curriculum vitae, statement of research interests, and names of three references to: Dr. Richard J. Scudder, Director, Center for Toxicology, University of Missouri-Kansas City, 4211 Holmes Street, MS-C04, Kansas City, MO 64108. The University of Missouri-Kansas City is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSISTANT PROFESSOR IN MOLECULAR GENETICS. A position is open for a research assistant professor to be associated with an active research program investigating gene regulation. The individual must have skills in studying gene regulation in a variety of systems and have demonstrated creativity in research endeavors. A Ph.D. in molecular biology or the ability to help put together competitive research grants. Resumes should be sent to: Jerry B. Lingrell, Ph.D., Director, Cancer Genetics Program, University of Missouri Hospital, 4526-0524. The University of Cincinnati is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE OR ASSISTANT PROFESSOR IN TUMOR CELL BIOLOGY. HARVARD MEDICAL SCHOOL. JOINT CENTER FOR RADIATION THERAPY. Position available for individual with strong background in cell biology including expertise in molecular biology techniques to join a multidisciplinary team investigating the dynamic role of the tumor microenvironment on tumor cell growth and transformation, survival, metastasis, and tumor progression. The applicant should demonstrate the ability to develop an independent research program and to work effectively with basic scientists and research physicians at the Joint Center, Dana-Farber Cancer Institute and other affiliated institutions. The appoint- ment to the Harvard Medical School is expected to last 3 years. Please submit curriculum vitae, description of career goals, relevant publications, and names of three references to: M.D. Chairman, Joint Center for Radiation Therapy, 50 Binney Street, Boston, MA 02115.

ASSISTANT PROFESSOR: PLANT SYSTEMATICS/EVOLUTION. The Botany Department, University of Georgia, invites applications for this 9-month, non-tenure track position beginning 1 September 1991. Candidates should possess demonstrated research capabilities in molecular systematics and methods and principles of plant systematics. The position is expected to maintain an active research program with strong participation in undergraduate and graduate teaching and research in plant systematics and related areas. Salary range is $17,000-$22,000. Previous publications, reprints, statements of research and teaching interests, and four letters of reference directly to: Dr. David E. Gilmartin, Department of Botany, University of Georgia, Athens, GA 30602. Closing date is 15 December 1991. An Equal Opportunity/Affirmative Action Institution.

UNIVERSITY OF CALIFORNIA LOS ANGELES (UCLA) ADJUNCT ASSISTANT PROFESSOR. The UCLA Tissue Typing Laboratory has an immediate opening for an adjunct assistant professor. Applicants must possess a Ph.D. in biostatistics with research experience in HLA serology and genetics and the analysis of renal transplantation data as demonstrated by publications in peer-reviewed journals. Position salary is $41,600-$52,000. Send curriculum vitae, statement of research interests and experience, and names of three references to: Tissue Typing Laboratory, 950 Veteran Avenue, Los Angeles, CA 90024. UCLA is an Equal Opportunity/Affirmative Action Employer.

The Department of Psychiatry at Washington University School of Medicine is seeking excellent neuroscientists for one to three positions at the associate professor level. Candidates should have extensive experience in neuroscience and be able to express themselves in a scholarly work setting. Salary is commensurate with experience. Send curriculum vitae, statement of research interests, and names of three references to: Dr. George J. Iversen, Chair, Department of Pharmacology, Washington University School of Medicine, 4540 Audubon Avenue, Box 8134, St. Louis, MO 63110. Washington University School of Medicine is observing an Affirmative Action Employer, Women and minorities are encouraged to apply.

PROFESSOR OF PHYSICAL OCEANOGRAPHY. The Department of the Scripps Institution of Oceanography at the University of California, San Diego (UCSD), invites applications for an ASSISTANT, ASSOCIATE, OR FULL PROFESSOR, tenure-track (or tenured positions) in the broad field of physics and dynamics of the oceans and the atmosphere. Emphasis is on using the tools of modern computational methods to interpret observations (in situ and/or remotely sensed) to study physical processes in the ocean and to study physical processes in the atmosphere with particular (although not exclusive) attention to interactions between the ocean and atmosphere. Positions at all levels will involve graduate teaching and the supervision of Ph.D. candidates as well as individual research. Successful candidates at the associate or full professorial level must have demonstrated outstanding accomplishment in research as well as in research supervision and teaching. Successful assistant-level candidates must show high potential for such accomplishment. At the time of appointment, successful candidates must possess a Ph.D. in oceanography, meteorology, or a related appropriate science. Rank and salary will be commensurate with qualifications and experience in accord with University of California scales. Send letter of application, including curriculum vitae and names of three references to: Chair, Physical Oceanography Search, Scripps Graduate Department 0208, UCSD, La Jolla, CA 92037-1004. Applications received after 1 October 1991 may not receive full consideration. The University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR. The Department of Psychology at the University of Southern California (USC) invites applications for an assistant/associate professor position. Candidates should have a Ph.D. and at least one year of postdoctoral experience. Salary is dependent upon qualifications and experience. Send letter of application, curriculum vitae, and names of three references to: Chair, Search Committee, Department of Psychology, University of Southern California, Los Angeles, CA 90089-1079. An Equal Opportunity/Affirmative Action Employer.

The Department of Pharmacology and Department of Cell Biology at the University of California, San Diego, invites applications for a project director position. The position is for a tenured associate professor. To qualify, candidates must have a Ph.D. or M.D. in pharmacology, biochemistry, or a related field and have at least five years of research experience in pharmacology. The successful candidate will be responsible for the management of the laboratory and for the planning and execution of research projects. The candidate will be expected to develop and coordinate research programs with faculty at the University. The salary will be commensurate with experience and qualifications. Send letter of application, curriculum vitae, and names of three references to: Chair, Search Committee, Department of Pharmacology, University of California, San Diego, La Jolla, CA 92037-1079. An Equal Opportunity/Affirmative Action Employer.
COLUMBIA UNIVERSITY
DEPARTMENT OF OPHTHALMOLOGY

ASSISTANT/ASSOCIATE PROFESSOR

The department is seeking an individual whose primary research interest is in the area of molecular genetics. The successful candidate will have a strong background in molecular biology and experience in mammalian cells. The candidate is expected to develop an independent program related to some aspect of the molecular genetics of the eye. A preliminary commitment for joint appointment with a basic science department is available. Evidence should be provided of significant accomplishment and ability to establish an independent, nationally recognized program. Initial appointment by 1 September 1992. Applications should include curriculum vitae, statement of research interests, and names and addresses of three references, and a one-page summary of research interests (Ref: Dr. Kenneth Grady). The Department of Ophthalmology, College of Physicians and Surgeons of Columbia University, 630 West 166th Street, New York, NY 10032. Columbia University takes affirmative action to ensure equal opportunity.

MICROBIOLOGIST/VIROLOGIST

The West Virginia School of Osteopathic Medicine (WVSOM) invites applications for a tenure-track position at the ASSISTANT OR ASSOCIATE PROFESSOR level. Successful applicants must have a Ph.D. in virology or microbiology with virology specialty. Candidates with teaching experience are preferred. Research opportunities are available and encouraged. Teaching responsibilities may include student taught genetics, microbiology plus general and medical virology to medical students.

Applicants should submit a letter describing teaching and research experience and interests, curriculum vitae, and three current letters of reference to: Chairperson, Microbiology/Immunology, c/o Personnel Office, West Virginia School of Osteopathic Medicine, 400 North Lee Street, Lewisburg, WV 24901. Applications will be accepted until the position is filled, with an anticipated starting date of September 1992. Women and minorities are encouraged to apply. WVSOM is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT/ASSOCIATE PROFESSOR

CHILDREN’S HOSPITAL OF PHILADELPHIA
UNIVERSITY OF PENNSYLVANIA
SCHOOL OF MEDICINE

The Division of Pulmonary Medicine is seeking applicants for the position of assistant or associate professor to complement existing programmatic strengths in cellular and molecular mechanisms regulating contractility, receptor gene expression, and signal transduction in airway smooth muscle. Research interests should involve molecular, cellular and/or genetic aspects of contractile protein expression and function. Candidates must provide evidence of significant research accomplishment and the ability to establish a successful research program. Ample support will be provided for start-up and early development. Applicants having an M.D. and/or Ph.D. degree should submit their curriculum vitae and three letters of reference to: Michael M. Gunstein, M.D., Ph.D., Chair, Search Committee, Division of Pulmonary Medicine, Children’s Hospital of Philadelphia, University of Pennsylvania School of Medicine, 34th Street and Civic Center, Philadelphia, PA 19104. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

DIRECTOR OF MOLECULAR PATHOLOGY

The Department of Pathology, Emory University School of Medicine, is seeking an M.D. or Ph.D. to run the molecular pathology laboratory at Grady Memorial Hospital. The successful candidate will have training and at least 3 years experience in molecular and molecular diagnostic techniques including blotting and amplification technology. Demonstrated experience in applications of these techniques to diagnostic pathology and the ability to perform effectively and to communicate with clinicians and housestaff is expected. The candidate must show evidence of accomplishment in a basic or clinical research environment. Closing date for receipt of applications is 15 August 1991. Applicants should submit recent curriculum vitae and the names of three references to: Kenneth W. Sell, M.D., Ph.D., Professor and Chairman, Department of Pathology, 703 WMB, Emory University, Atlanta, GA 30322. Emory University is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

THE UNIVERSITY OF ADELAIDE — SOUTH AUSTRALIA

Applications are invited from both women and men for the following position:

FOUNDATION PROFESSOR OF VITICULTURE

(Ref. 7833) in the DEPARTMENT OF HORTICULTURE, VITICULTURE AND OENOLOGY, FACULTY OF AGRICULTURAL AND NATURAL RESOURCE SCIENCES. The Department is one of eight Departments in the Faculty of Agricultural and Natural Resource Sciences, newly created following the merger of Roseworthy Agricultural College with The University of Adelaide on 1 January 1991. The Department has fifteen academic staff and ten support staff.

The position will be located at the Waite Campus of The University of Adelaide. The Waite Campus has a delightful setting and is situated about seven kilometres from the city centre. General facilities are excellent. Also on the campus are the CSIRO Division of Horticulture, Soils and Water Resources, as well as the Australian Wine Research Institute.

The Department has a major responsibility for the training of personnel and for conducting research for the benefit of the Australian horticultural, grape and wine industries. It has close links with The Australian Wine Research Institute, the CSIRO Division of Horticulture and the Australian Centre of Viticulture and Oenology.

Applications are invited from persons who have distinction in one or more areas of viticulture and/or in a discipline that underpins viticulture — this may include plant physiology, plant biochemistry and grapevine genetics. The appointee will possess a proven research record, successful teaching experience at the tertiary level and the ability to develop academic programs at both the undergraduate and the graduate level. The appointee will be expected to provide academic leadership in all aspects of the Department’s activities and develop and strengthen relationships with industry, government and research institutions.

The position is available from January 1992. It is University policy to encourage women to apply for consideration for appointment to tenurable academic appointments. Holders of full-time tenured or tenable academic appointments have the opportunity to take leave without pay on a half-time basis for a specific period of up to ten years when this is necessary for the care of children.

Further information concerning the Department and the duties of the position may be obtained from Dr. Andrew Markides, Head of the Department of Horticulture, Viticulture and Oenology, telephone (61 81) 24 8057, Fax (61 81) 24 8297, or Professor Harold Woolhouse, Dean, Faculty of Agricultural and Natural Resource Sciences, telephone (61 81) 372 220, Fax (61 81) 338 2744.

APPLICATIONS, IN DUPLICATE, quoting reference number 7833 and giving full personal particulars (including whether candidates hold Australian permanent residency status), details of academic qualifications and names and addresses of three referees should reach the Director, Personnel Services at the University of Adelaide, GPO Box 498, Adelaide, South Australia, 5001, Telex UNIVAD AA 89141. Facsimile (61 81) 223 4820 not later than 30 September 1991.

The University reserves the right to make enquiries of any person regarding any candidate’s suitability for appointment, not to make an appointment or to appoint by invitation. THE UNIVERSITY OF ADELAIDE IS AN EQUAL OPPORTUNITY EMPLOYER.

STAFF POSITIONS

DEPARTMENT OF GENE REGULATION

Roche Institute of Molecular Biology

Applications are invited for positions equivalent in rank to Assistant Professor in the newly established Department of Gene Regulation. We are seeking candidates with a research focus ranging from transcriptional regulatory mechanisms to signal transduction pathways; or individuals using viral systems to explore fundamental aspects of gene expression. Interaction with members in the departments of Molecular Oncology and Virology, Cell and Developmental Biology, and Neuroscience is strongly encouraged.

Institute staff enjoy complete academic freedom and independence in the choice and pursuit of research problems. Full funding for research programs, including postdoctoral fellows, is provided by Hoffman-La Roche. Institute staff can obtain graduate students through a joint program with the Department of Biology at Columbia University. The Institute is located in a suburban setting only 10 miles west of New York City. For consideration, please send curriculum vitae, names of three references and a summary of research interests to: Dr. Craig Rosen, Chairman, Department of Gene Regulation, Roche Institute of Molecular Biology, Nutley, New Jersey 07110. We are an equal opportunity employer.

Roche Institute of Molecular Biology

Roche Hoffmann-La Roche Inc.
MOLECULAR BIOLOGIST/VIROLOGIST
Animal Therapeutics

The Upjohn Company, a recognized leader in pharmaceutical research and development, currently has two research positions available in our Therapeutics Group (Viral Vaccines Program) of the Agricultural Division.

POST-DOCTORAL SCIENTIST (Position Code 900659-050) This person will work directly with other scientists and with molecular virologists from our Biotechnology Group in designing and conducting experiments in cloning and expression of viral and cellular genes concerned with disease processes in domestic animals. This work will emphasize the use of bovine herpes virus-1 as a vector for other viral and cellular genes. Experience and knowledge of herpesvirus replication and gene control would be a strong plus. Position requires a highly-motivated individual with a recent Ph.D. in a related discipline. Appointments are for one year renewable for a second year.

RESEARCH ASSOCIATE (Position Code 910429-051) This position will require the application of molecular biological techniques in the development of novel animal vaccines. Applicants should have a BS/MS in biochemistry, molecular biology, or related field and laboratory experience in molecular biology, biochemistry and tissue culture techniques. Duties will include design and construction of recombinant viruses (baculovirus, herpesvirus, poxvirus) and analysis of expression. Strong oral and written communications skills are necessary, along with the ability to work independently as well as cooperatively with project team members.

For these positions, we offer a very competitive salary and benefits package commensurate with experience in addition to a stimulating, multi-disciplinary research environment. In 1990, Upjohn committed over $400 million to research and development and we are currently increasing our downtown Kalamazoo research facilities by 50%. Qualified candidates are invited to send their curriculum vitae and cover letters to: THE UPJOHN COMPANY, CORP. RECRUITING/ANIMAL THERAPEUTICS, 7000 PORTAGE ROAD, KALAMAZOO, MI 49001 USA. Please refer to one of the above Position Codes in your correspondence.

Our Commitment to Scientific Excellence Continues...
Chairperson
Department of Pharmacology and Toxicology
School of Basic Health Sciences
Medical College of Virginia
Virginia Commonwealth University

Applications are invited for the position of Professor and Chairperson of the Department of Pharmacology and Toxicology on the health sciences campus of Virginia Commonwealth University. The successful candidate will be expected to provide leadership for a department which currently has over 30 full-time tenure track and collateral faculty, 41 Ph.D. graduate students and 5.8 million dollars of extramural funding. Applicants should have an earned doctorate and achievement meriting tenure as a professor. We seek an individual who is internationally recognized for research in pharmacology and/or toxicology and who has a record of successful procurement of extramural support. Additionally, the candidate must be able to lead and administer the department's graduate and postdoctoral programs and other departmental contributions to education university-wide with emphasis on medicine, dentistry, pharmacy and allied health professions. Experience working in a culturally diverse environment is highly preferred.

Applications, including a complete curriculum vitae and names of three references, should be sent to:
Walter H. Carter, Ph.D.
Chairman of Search Committee
Department of Biostatistics
School of Basic Health Sciences
Virginia Commonwealth University
P O Box 32
Richmond, Virginia 23228-0032

A detailed job description is available upon request. Formal consideration of applications will begin on June 1, 1991. The deadline for receipt of applications is October 1, 1991.

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

DIRECTOR OF CLINICAL SERVICES
LABORATORY OF MOLECULAR DIAGNOSTICS

Roswell Park Cancer Institute, an NCI designated Comprehensive Cancer Center, is seeking a Director of Clinical Services for the Laboratory of Molecular Diagnostics. The successful candidate will have a Ph.D., M.D. or M.D./Ph.D. degree and several years of experience in molecular diagnostic techniques. The position will allow time for independent research. The position is a tenure track appointment at the Assistant Professor level. Send curriculum vitae, a statement of research objectives, and the names of three references to:

Dr. Alan Kinniburgh, Director,
Laboratory of Molecular Diagnostics,
Roswell Park Cancer Institute,
Elm and Carlton Streets, Buffalo, N.Y 14263.
UNIVERSITY OF TORONTO
DEPARTMENTS OF
CLINICAL BIOCHEMISTRY AND MEDICINE
ASSISTANT PROFESSORS

Applications are invited for three positions at The Toronto Hospital of The University of Toronto.

CLINICAL EPIDEMIOLOGIST/TECHNOLOGY ASSESSMENT: M.D., FRCP (or equivalent) with training in clinical epidemiology and development of an independently funded research program related to the effective use of diagnostic laboratory resources, and to participate in the diagnostic programs at The Toronto Hospital.

CLINICAL INVESTIGATOR: M.D., FRCP (or equivalent) specialized in metabolism and endocrinology, training or experience in medical biochemistry is an advantage, to develop an independent research program in the University laboratory for clinical investigation and to carry out clinical research within the Clinical Investigator Unit.

All positions are salaried, ARMS eligible/certified to provide consultation and develop research related to adult genetic disease.

Laboratory space, start-up funds, and appointments in the Graduate School will be available.

The University of Toronto encourages both men and women to apply for these positions. In accordance with Canadian Immigration requirements, this appointment is directed to candidates of Canadian permanent residence.

Interested persons should direct enquiries and applications no later than 31 October 1991 to:

Biochemist-in-Chief
Department of Clinical Biochemistry
ES 3-404D, Toronto General Division
200 Elizabeth Street
Toronto, Ontario, M5G 1L6 Canada

DEPUTY COMMISSIONER FOR OPERATIONS

The Food and Drug Administration is recruiting for the senior executive service position of deputy commissioner for operations located in Rockville, Maryland. The deputy commissioner for operations, through subcom­mision executives, will provide executive direction to several thousand professional and support personnel in major line components of the agency and make major budget and resource decisions affecting these components. Ap­plicants must have knowledge of the Food and Drug Administration and/or the Food, Drug, and Cos­metic Act its regulations. He/she must be able to show demonstrated experience as a line manager; demonstrated ability to manage change (e.g., change in mission, organization, philosophy, or expansion/down­sizing); and the ability to implement Equal Employment and career opportunities for minorities, women, handicapped, and special interest groups.

If you are interested and wish to be considered, send an SF-171, Application for Federal Employment, to:
Jeyenee Wood, Division of Human Resources Manage­ment, Federal and Drug Administration, Parklaw­instr Street, Room 4B-09, 5600 Fishers Lane, Rock­ville, MD 20857. If you need more information, you may call Ms. W. Dolby at 301-443-1755. Applications will be accepted until 12 August 1991. An Equal Opportunity Employer.

CHAIRMAN, DEPARTMENT OF PATHOLOGY
UNIVERSITY OF VERTON

The University of Vermont and Medical Center Hospi­tal of Vermont (MCHV) seek a full-time chairman of the Department of Pathology. Applicants must be Board-certified in pathology; have administrative experi­ence, strong leadership skills, and an outstanding record of accomplishment in biomedical research; and be inter­ested in fostering programs for patient services, teaching, and scholarship. MCHV is a tertiary care teaching hos­pital associated with the College of Medicine, University of Vermont.

You are encouraged to apply for this position by submitting your curriculum vitae, letter of interest and names of three to five references. Applications will be accepted until 13-186.

PHYSIOLOGY/PHARMACOLOGY

The University of California, Los Angeles (UCLA), is searching for a vice chancellor for research.

Responsibilities: to include campus-wide research planning and coordination, to include new research ventures and long-term infrastructure requirements. Leadership and vision in the development of large-scale interdisciplinary research programs and programs concerned with technology transfer and mutually supportive relationships between the university and industry. The vice chancellor will also supervise a staff that will identify and help to secure public and private sources of research funding; administration of contracts and grants, human resources, and obtaining external support. Salary commensurate with qualifications and experience; closing date: 30 September 1991. Please send curriculum vitae and names and addresses of three references to: Dr. Frank Collins, Dean, Graduate School, UCLA, Charles E. Young Research Library, 607 Hilgard Avenue, Los Angeles, CA 90024-1405.
Make A Difference In The Quality of Life

The Hyland Division of Baxter Healthcare, a leader in the area of human plasma-derived protein therapeutics, is undertakeing the development of its next generation of therapeutics with the aid of state-of-the-art biotechnology. We seek energetic individuals who can contribute effectively in a multi-disciplinary R&D environment in the following areas:

**SCIENTIST IV Protein Characterization (Dept. LD/C-4)**
We seek an individual with demonstrated expertise in the characterization of proteins, with focus on structural and functional studies. Ability in the investigation of post-translational modifications is expected. Applicants must be thoroughly familiar with all aspects of current protein chemistry and biochemistry relating to composition, structure, conformation and function. Additional experience in protein engineering, modeling and rational design is an asset. Ability to interact in a team-oriented R&D environment is essential. The successful candidate will make key recommendations concerning research directions of the Group and develop novel approaches which coincide with overall strategic R&D objectives. A PhD with relevant industrial or postdoctoral experience is required.

**SCIENTIST IV Efficacy (Dept. LD/E-4)**
The successful candidate will perform literature review, model evaluation, and development and adaptation of bacterial assays in support of Hyland research projects at various stages of product development. Must independently design, perform and evaluate relevant in vivo and in vitro investigations of the mechanism of infection, evaluation of pathogenesis, and course of infection in animals and cell culture systems. Experience in the performance of safety and efficacy experiments is desired. We require a PhD in microbiology, or related science, with a strong background in immunology and biochemistry. Strong organizational skills, excellent oral and written communication, and knowledge of experimental design and statistical analysis are necessary.

**SCIENTIST IV Protein Purification (Dept. LD/P-4)**
The successful candidate will have extensive experience in the purification of diverse proteins, with emphasis on recombinant proteins from prokaryotic and eukaryotic sources. Demonstrated knowledge of state-of-the-art purification methods and problem-solving ingenuity is essential. Experience in purification of monoclonal antibodies and engineered proteins is helpful. The position includes the evaluation and development of new purification techniques and development of novel assay methods pertaining to product purity. In addition, the design/review of project objectives is expected. Knowledge of GLP/GMP and effective communication skills are required. Qualified individual will have a PhD in biochemistry, plus at least 3 years' relevant industrial or postgraduate experience.

Baxter Healthcare Corporation, a Fortune 100 company, is synonymous with products, systems and services devoted to improving health care throughout the world. We provide a smoke-free environment, competitive compensation and benefits. Please send your resume in confidence to Baxter Hyland Division, Human Resources Dept., 4501 W. Colorado Blvd., Los Angeles, CA 90039. An Affirmative Action/Equal Opportunity Employer.

Hyland Division

Baxter
The Department of Biomedical and Environmental Health Sciences, School of Public Health, University of California, Berkeley, invites applications for a tenure-track appointment at the rank of Assistant Professor or Instructor in the field of industrial hygiene. Applicants must possess a Ph.D. in industrial hygiene, or a related discipline, and have demonstrated professional commitment to and competence in the field of industrial hygiene. The appointee will be expected to develop a research program focused on issues of exposure assessment in the occupational environment. Teaching duties will include a professionally oriented course in industrial hygiene at the master's level and a graduate seminar in environmental and occupational health.

Applicants should send curriculum vitae, a statement of teaching and research interests, and the names of three references to: Professor Robert C. Spear, School of Public Health, University of California, Berkeley, CA 94720, by the closing date of 15 September 1991. The anticipated date of appointment is 1 July 1992.

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

FACULTY POSITION IN NEUROSCIENCE

Applications are invited for a tenure-track ASSISTANT OR ASSOCIATE PROFESSOR position. A Ph.D. or M.D. degree is required. The candidate is expected to develop an independent and externally funded research program and to participate in neuroscience teaching. Curriculum vitae, a statement of research interests, teaching experience, and the names of three referees should be sent by 1 August 1991 to: Dr. William J. Jackson, Department of Physiology and Endocrinology, Medical College of Georgia, Augusta, GA 30912-3000. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN GENETIC EPIDEMIOLOGY

The Fred Hutchinson Cancer Research Center (FHCRC) is developing new initiatives in the genetic epidemiology of cancer. One or more genetic epidemiologists or geneticists with epidemiologic experience, whose primary interest is in etiologic studies of cancer, will be recruited at the ASSISTANT OR ASSOCIATE PROFESSOR (MEMBER) level. A Ph.D. or M.D. with relevant training and experience is essential. Laboratory training in molecular biological techniques is highly desirable. Resources available include existing population-based data sets with biological specimens and laboratory facilities. These positions carry with them the University of Washington Department of Epidemiology. Participation in the teaching program is expected. Send curriculum vitae to: Janet R. Daling, Ph.D., FHCRC, 1124 Columbia Street, Seattle, WA 98104-1217. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN TOXICOLOGY

The Department of Biomedical and Environmental Health Sciences, School of Public Health, University of California, Berkeley, invites applications for a tenure-track appointment at the rank of Assistant Professor or Instructor in the field of toxicology. Applicants must possess a Ph.D. in toxicology or a related discipline, and have demonstrated professional commitment to and competence in the field of toxicology. The appointee will be expected to develop a research program focused on issues of exposure assessment in the occupational environment. Teaching duties will include a professionally oriented course in toxicology at the master's level and a graduate seminar in environmental and occupational health.

Applicants should send curriculum vitae, a statement of teaching and research interests, and the names of three references to: Professor Robert C. Spear, School of Public Health, University of California, Berkeley, CA 94720, by the closing date of 15 September 1991. The anticipated date of appointment is 1 July 1992.

The University of California is an Equal Opportunity/Affirmative Action Employer.
Flow Cytometry Specialist

SmithKline Beecham, a world leader in pharmaceutical research, is seeking a Flow Cytometry Specialist to join its cell sorter facility. The facility is equipped with the latest state of the art technology including a three laser Coulter Epics 753, a dual laser Coulter Epics 752, ACAS 470 interactive laser cytometer for adherent cells, up-to-date computers and other support equipment. The position requires a person with experience in flow or imaging systems and familiarity with computers.

The selected candidate will have a B.S. degree in the Biological or Biophysical Sciences or equivalent experience; 2 years of experience with flow cytometry or imaging systems; and a strong knowledge of computers. In addition, tissue culture experience is desirable.

Our state-of-the-art research facility is located in suburban Philadelphia, near Valley Forge, PA. We offer an attractive compensation/benefits/relocation package as well as a stimulating and challenging work environment with opportunities for professional and personal growth. For confidential consideration, please submit your C.V. to: Nancy Hasson, H0176, SmithKline Beecham Pharmaceuticals, P.O. Box 1539, King of Prussia, PA 19406-0939. We are an Equal Opportunity Employer, M/F/H/V.

SmithKline Beecham Pharmaceuticals

Research Update

A commitment to parasitology is evident at Cyanamid.

At the Agricultural Research Division of American Cyanamid Company, you'll be part of a winning team that has produced 17 new products in 4 years. We have a long-range commitment to discovering ways to increase worldwide crop and livestock production through chemical, biochemical and biological research. This commitment is evidenced by our expanding research budget which has tripled over the last decade.

The following opportunities exist in our Clinical Development Laboratory, where you will find a dedicated effort to treat and prevent disease, promote growth and improve feed efficiency in livestock and poultry.

Research Veterinarian

The successful candidate will conduct safety and efficacy studies in various animals, primarily cattle and swine. Studies may also involve experimental surgeries and work with bacterial pathogens of importance in livestock and poultry. You must be experienced in the design and statistical analysis of experiments with large animals. A DVM is required; MS or PhD a plus. Dept. KS-1

Research Parasitologist

In this position, you will conduct studies to evaluate the efficacy of anthelmintics and anticoccidials in laboratory and farm animals. These studies may also include the development of parasitological disease models. The successful applicant must have a PhD in Parasitology and experience conducting experiments with large animals. Dept. KS-2

Senior Research Parasitologist

You will conduct studies to evaluate the efficacy of anthelmintics and anticoccidials in farm animals and poultry. Studies may include the development of parasitological disease models and work with ectoparasiticides. A PhD in Parasitology, minimum of 3 years' experience, and a working knowledge of helminthology and protozoology are requisites. Dept. KS-3

American Cyanamid Company offers an excellent compensation and benefits package which includes 401(k) savings plan, flex-time work schedules and a convenient location one hour from New York City or Philadelphia. We invite you to forward your resume, indicating appropriate position code to: Employment Office, American Cyanamid Company, Agricultural Research Division, P.O. Box 400, Princeton, NJ 08543-0400. An Equal Opportunity Employer M/F/H/V.
Molecular Osteoporosis Research
Japan

Hoechst, one of the world's leading pharmaceutical companies, is presently searching for a highly motivated and creative molecular biologist to join our osteoporosis research team. The successful candidate will work in the Department of Molecular Biology, which is part of Hoechst's Pharma Research Laboratories located in the suburbs of Tokyo. Presently our research program "Metabolic bone disease" is undergoing a rapid expansion. It includes chemical, biochemical and biological approaches to understand the key processes in bone formation and resorption and, consequently, to prevent or to delay osteoporosis. An independent and open research environment prevails. Collaborations and interactions with scientists throughout the world exist and will be actively encouraged.

Candidates should be able to communicate both in Japanese and in English, should possess a PhD or MD degree and should have experience in gene cloning, sequencing and expression techniques. Strong background knowledge in osteoporosis research is not required, but may be helpful. You should be capable of carrying out independent research at the bench. Salary and benefits will be competitive.

Candidates are invited to send their application, including detailed CV, previous experience and a complete list of publications to: Dr. Egon Amann, Department of Molecular Biology, Pharma Research Laboratories, Hoechst Japan Limited, 1-3-2 Minamidai, Kawagoe-shi, Saitama-Ken 350, Japan (TEL 0492-41-8463; FAX 0492-41-8475).

Hoechst
ヘキストジャパン株式会社

National Institutes of Health
Public Health Service
FELLOWSHIP IN
ELECTROPHYSIOLOGY

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

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

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Postdoctoral Positions
Plant Molecular Biology

Several postdoctoral positions are available in the newly formed Plant Molecular Biology group within the Department of Biology at New York University. Research topics include the molecular biology of amino acid biosynthesis in higher plants (Dr. Gloria Coruzzi) and the molecular and genetic basis of root development in Arabidopsis (Dr. Philip Benfey). Positions are available starting as early as January 1, 1992. Those with experience in molecular biology and molecular approaches to development (not necessarily in plants) are encouraged to apply. Please send curriculum vitae and three letters of recommendation to Dr. Gloria Coruzzi or Dr. Philip Benfey, Department of Biology, New York University, 1009 Main Building, Washington Square, New York, N.Y. 10003.

NYU encourages applications from women and members of minority groups
Manager, Biotechnology Development

Syntex Corporation is an international health care organization involved in human and animal pharmaceuticals and medical diagnostic equipment. Our Chemicals Group Technology Center is located in Boulder, Colorado, at the foot of the magnificent Rocky Mountains. The focus of this Center is the research and development of innovative processes for the manufacture of bulk pharmaceuticals. We are expanding our capabilities in the biochemical area, and are seeking an experienced manager to guide research teams and lead the evolution of the group. This growth will include promoting the role of the group in the corporation and new facility expansions.

The successful candidate will have a Ph.D. in a biotechnology discipline with approximately 10 years R & D experience. This experience will involve the successful and innovative application of recombinant technology for commercialization of a product. GMP pilot plant or manufacturing experience involving scale-up of fermentations and downstream processing should be included.

Syntex offers a complete benefits package, competitive salaries and bonus eligibility. If you are interested in a challenging opportunity and meet the above qualifications, please send your resume in confidence to: Barbara Kazmier, Syntex Chemicals, Inc., 2075 N. 55th St., Boulder, CO 80301. Syntex is an equal opportunity employer.

Director, Process Development - Ph.D.

Applications are invited for a senior research scientist to manage CYTOGEN’s Process Development Group. You will manage a group of scientists responsible for the development, scale-up, and implementation of GMP processes for the manufacture of CYTOGEN’s protein-based biomaterial products. Responsibilities will include antibody production, purification, conjugation development and scale-up, validation and technology transfer to the manufacturing group. This position will demand close interaction with the analytical, regulatory, and quality control groups. Requirements for this key role include a Ph.D. in Biology, Biochemistry, Biomedical Engineering, Chemical Engineering or related discipline and 5-8 years of industrial experience in the design and development of scale-up producing processes for production of monoclonal or recombinant DNA-derived or recombinant DNA-derived biomaterials. Knowledge of the regulatory issues and requirements associated with the production of monoclonal or recombinant DNA-derived biomaterials is essential. Experience in the design and development of processes for pharmaceutical use is essential. Previous experience in the development of monoclonal antibodies is highly desired.

Assistant/Associate Director - Ph.D.

Fermentation Process Development

We seek a senior research scientist to significantly expand our existing Fermentation Process Development Group. The principal responsibilities of this position will be to identify and develop optimal production methods for mammalian cell-derived monoclonal or recombinant DNA-derived monoclonal antibodies. Establish and validate GMP manufacturing processes for these products. Requirements for this key position include a Ph.D. in Biotechnology, Cell Biology, Biochemistry, Biomedical Engineering or related discipline and 5-8 years of industrial experience with a variety of mammalian cell fermentation technologies at the pilot to clinical development level. Knowledge of the regulatory issues and requirements associated with the production of monoclonal or recombinant DNA-derived monoclonal antibodies is essential. Specific experience with the manufacture of monoclonal or recombinant DNA-derived monoclonal antibodies is highly desirable.

CYTOGEN Corporation is a biopharmaceutical company dedicated to meeting human medical needs with innovative technology in the diagnosis and treatment of cancer and cardiovascular disease. The company offers an excellent starting salary and comprehensive benefits package. Interested candidates should send their resume in confidence to: Employment Manager, CYTOGEN CORPORATION, 600 College Road East, Princeton, NJ 08540. CYTOGEN is an equal opportunity employer (m/f/h).

Innovative Technology Targeted to Medical Needs
Hybritech Incorporated is a worldwide, research-based corporation applying monoclonal antibody and other leading edge technology to the development of human health care. We have several positions available in our Manufacturing Development and Manufacturing Technical Support Departments.

**Bioprocess Chemists**

The scientists or engineers will be responsible for leading bioreagent manufacturing process improvement projects in the areas of protein purification, protein modification, bioreagent formulation, and automation of these processes. The individuals will be responsible for trouble-shooting processes, developing processes, validation of processes, the technical aspects of raw material qualification, characterization of key raw materials and intermediates and identification of process monitoring methods.

All candidates should have extensive chromatography and scale-up experience, SPC and statistical approaches to experimental design experience, as well as strong technical leadership and communication skills. A thorough understanding of cGMP/cGMP is required. Experience with bioanalytical and process analytical chemistry is desired. Experience with manufacturing operations is desired.

Scientists should have a Ph.D. in chemistry or biochemistry with 3-7 years industrial experience in Process Development or a BS/MS with equivalent experience. Engineers should have a BS/MS in Engineering with a minimum of 3 years industrial experience in Bioreagent Manufacturing or Process Development.

**Bioanalytical Chemists**

The scientists and associates will be responsible for troubleshooting test methods, and developing test methods to troubleshoot process problems.

Experience in protein separation methods such as HPLC and electrophoresis is required. A thorough understanding of cGMP/cGMP is required. All candidates should have experience with assay validation, SPC, and statistical approaches to experimental design. Strong technical leadership and communication skills are required.

Candidates should have a Ph.D. in chemistry or biochemistry with 2-4 years industrial experience in bioanalytical chemistry or a BS/MS in chemistry with 2-4 years industrial experience in bioanalytical chemistry.

Hybritech offers a stimulating work environment and competitive salaries. Interested individuals should send their resumes to: HYBRITECH INCORPORATED, Human Resources Dept. DC-S/7-12-91-BC, P.O. Box 269006, San Diego, CA 92196-9006. We are an equal opportunity employer.

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**Cambridge Biotech Corporation** is a leader in the development of adjuvants, recombinant proteins and monoclonal antibodies as the basis for vaccines, therapeutic and diagnostic products for humans and animals. Additionally, we utilize recombinant technology in the development and production of antigens and are a major producer of viral diagnostic screening and confirmatory products. We offer the following opportunity in our Immunology group:

**BACTERIAL IMMUNOLOGIST**

- As part of an effort to design bacterial vaccines, responsibilities will include: developing assays for evaluating animal immune responses to formulations of bacterial vaccines, evaluating the role of adjuvants in vaccine formulations, and investigating serologic crossreactivity with related bacteria.
- Qualified applicants will possess an MS or PhD in microbiology, biochemistry or a related discipline with several years' related research experience including basic immunology methods, and methods, protein conjugation and purification techniques, electrophoretic techniques, tissue culture and bacterial culture methods also required.
- Cambridge Biotech offers a stimulating research environment with excellent compensation and benefits, including an employee stock purchase program and 401(k) Plan.
- With generous employer match. To apply, please send your resume in confidence to: Cambridge Biotech Corporation, Human Resources Department, 365 Plantation Street, Box 5712, Worcester, MA 01605. An Equal Opportunity Employer.

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[Cambridge Biotech Advertisement]
Amgen has distinguished itself as the industry leader in the development of human therapeutic products through applications of biotechnology. As a result of our continuing commitment to the discovery and characterization of novel neurotrophic factors, we are actively seeking scientists to contribute to the development of this program. All positions listed below require a PhD in an appropriate discipline and relevant postdoctoral experience.

NEUROPHYSIOLOGY
Dept. #600
Applicants for this position must have interest and skills in either in vivo or in vitro electrophysiology of central neural systems. Responsibilities of this position include testing the effects of neural growth factors on physiological responses of central systems affected by neurodegenerative diseases.

NEUROPHARMACOLOGY
Dept. #601
The successful candidate for this position must have experience in the measurement of neurotransmitter metabolism in vitro and in vivo as well as pharmacological characterization of neurotransmitter receptors.

IN VIVO MODELING
Dept. #602
Candidates for this position must have experience in the development of lesional paradigms of neurodegenerative diseases, including the analysis of the effects of intervention.

MOLECULAR BIOLOGY
Dept. #603
This individual will be responsible for the cloning and expression of novel neurotrophic factors. Applicants should have a strong foundation in the construction and screening of cDNA libraries and expression cloning of cellular growth factors.

CELL BIOLOGY
Dept. #604
Candidates for this position should have demonstrated expertise in the characterization of the actions of neurotrophic factors on cultured neurons or glial cells.

Amgen provides a stimulating and challenging research environment in which individuals are given the resources necessary to achieve their goals. Our compensation and benefits package, including equity offerings, reflects our commitment to attracting the best scientific talent available. If you have the necessary skills and would like to be a part of an organization that places its highest priority on its human resources, please send a complete CV, in confidence, to:

AMGEN, INC.
Recruitment, Dept. # (please specify)
Amgen Center
Thousand Oaks
CA 91320-1789
One POSTDOCTORAL OR JUNIOR FACULTY position is available to work with (i) immunology of Lyme disease and (ii) growth factors of human prostate cancer cells. Available. Recent Ph.D. graduate with a strong background of immunology and protein chemistry is preferred. Send curriculum vitae and three references to: Professor J. W. Chiao, Department of Medicine, New York Medical College, Valhalla, NY 10595.

POSTDOCTORAL POSITION. A position is available to investigate the role of protease inhibitors and other neutral proteases in the degeneration of neuronal networks especially in regards to Alzheimer’s disease. Please submit, in addition to curriculum vitae and three references with phone numbers to: Zoltan A. Toke, Ph.D., Department of Medicine, University of New York, 330 North Mission Road, Los Angeles, CA 90035. FAX: 213-224-7679. Equal Opportunity Employer. Minorities are encouraged to apply.

POSTDOCTORAL POSITION DANA-FARBER CANCER INSTITUTE
Available immediately to investigate the interaction of retroviruses with cells and host organisms. Predoctoral experience in molecular biology essential. Working knowledge of immunology is highly desirable. Dana-Farber Cancer Institute is a teaching affiliate of Harvard Medical School. Send curriculum vitae and names of three references to: Dr. Ruth M. Rapoport, Chief, Laboratory of Cellular and Molecular Pathology, 44 Vine St., Boston, MA 02115. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION. Available 1 July 1991 to participate in ongoing studies of molecular mechanisms of signal transduction. Familiarity with receptor biochemistry and recombinant DNA technology desirable. Projects employ molecular approaches to study receptor-effector coupling, regulation, and function of protein-linked receptors. Send resume and names of three references to: Dr. Gary R. Luthin, Department of Physiology, Mail Stop 409, Hahnemann University, Broad and Vine, Philadelphia, PA 19102. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION SKIDAWAY INSTITUTE OF OCEANOGRAPHY
A postdoctoral position is available at Skidaway Institute of Oceano- graphy to conduct research in the field of physiology of coastal regions. We in- vite applications from scientists with a Ph.D. in oceano- graphy, mathematical ecology, applied mathematics or a related quantitative science for a 1-year position with the possibility of renewal for a second year. Applicants must have worked with differential equations and numerical techniques and have some familiarity with biological/ ecological models. Working knowledge of C or FOR- TRAN plus some experience with graphical display methods is essential.

Please submit, by 31 July 1991, a resume, a list of three references and a statement of research interests to: Dr. Jack Blanton, Skidaway Institute of Oceanography, P.O. Box 13687, Savannah, GA 31416. The position starts 1 October 1991. An Equal Opportunity Employer.

POSTDOCTORAL POSITIONS. Available starting fall 1991/ winter 1992 in an NINDS-sponsored basic research training program in Pharmacology of Drugs of Abuse. Preceptors and research areas available include: R. Bodnar (behavioral pharmacology), J. Goldfarb (electrophysiology of S-HT and hallucinogens), J. P. Green (receptor-mediated control of transmitter release), R. L. Greer (involvement of G-proteins in desensitization and tolerance), M. Orlofski (proteolytic mechanisms and inhibitors of proteolysis), J. Roberts (opioid gene expression and G-protein-coupled receptors), S. Wilk (regulation of metabolism of bioactive peptides). Candidates must be U.S. citizens or permanent residents and maintain full time status. Send curriculum vitae, a letter describing your research experience and indicating the preceptors/projects of interest in the training program, and the names, addresses, and telephone numbers of three references to: Dr. J. Goldfarb, Department of Pharmacology, Box 1215, The Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, NY 10029-6574. An Equal Opportunity Employer.

A POSTDOCTORAL POSITION is available in September 1991 to conduct studies of calcium signaling in plants. Research areas will be focused on the characterization of the calmodulin system in normal and transgenic plants, as well as studies of calcium-dependent protein kinases and their substrates in various plant systems. Candidates with expertise in molecular biology, biochemistry, and/or cell biology are desired. Please send curriculum vitae and names of three references to: Dr. Daniel M. Roberts, Department of Biochemistry, University of Tennessee, Knoxville, TN 37996.

POSTDOCTORAL POSITION
Available immediately for study proteins derived from mammalian cell lines in a pulmonary research laboratory. Expertise in the area of biochemistry and/or cell biology is preferred. U.S. citizenship or permanent visa is required. Curriculum vitae and names of three references to: Joseph H. Sisson, M.D., Pulmonary Medicine Section, Department of Internal Medicine, University of Nebraska Medical Center, 600 South 42nd Street, Omaha, NE 68198-2465. The University of Nebraska Medical Center is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION
Immediately available for recent (within past 36 months) doctorate degree recipient to investigate cellular and molecular mechanisms of respiratory epithelial cell proliferation, differentiation, carcinogenesis, and oncogene activation in mammalian models. First year stipend of $23,000 per annum plus health insurance, relocation allowance, and leave benefits. U.S. citizenship or permanent resident required. Contact: Dr. David E. Bice, Education Coordinator, Inhalation Toxicology Research Institute, P.O. Box 8990, Albuquerque, NM 87185 or call 505-846-7287 for application materials. We are an Equal Opportunity Employer.

A POSTDOCTORAL POSITION is available to study mechanisms of drug, chemical-induced toxicity and cytoprotection. Experience with hepatocyte isolation, subcellular organelle isolation, HPLC, and protein purification is desired. A Ph.D. in toxicology, pharmacology, biochemistry, or experimental pathology is required. An annual salary of $18,000 to $25,000 is available, depending on experience and qualifications. Please send curriculum vitae and names and address of three references to: Dr. Marc W. Faris, Environmental and Molecular Toxicology, Department of Environmental Medicine, Medical College of Virginia, Richmond, VA 23298-0662.

RESEARCH FORESTER (INTERDISCIPLINARY) USDA-FOREST SERVICE
The Southern Forest Experiment Station is seeking a POSTDOCTORAL SCIENTIST for its Forest Insect Research Unit at the Alexandria Forestry Center, Pineville, Louisiana. We are interested in candidates with research experience in whole-plant physiology, partitioning of carbon, and herbivore/plant interactions. Research objectives are (i) to develop knowledge of the effects of environment and seasonal onset of host trees on host-tree physiological conditions affecting susceptibility to the Southern Pine Beetle (SBP), and (ii) to determine what factors can be used to evaluate SBP attack success in relation to host-tree characteristics. The ultimate goal is to understand the role of host trees in the onset, duration, and severity of SBP outbreaks.

Qualifications: Ph.D. or equivalent in forestry, plant physiology, entomology, or related field. Contact: Dr. L. Lovett, (202) 205-7233. Application materials sent on request. Note: Application postmark deadline: 23 August 1991.

An Equal Opportunity Employer.

POSTDOCTORAL FELLOW
A position is available immediately for a postdoctoral fellow to participate in studies of the role of ATP as a neurotransmitter in smooth muscle. Send curriculum vitae and the names of three references to: Dr. David P. Westfall, Department of Pharmacology, University of Nevada School of Medicine, Reno, NV 89505. Equal Opportunity Employer.

Genelabs is a human health care company that is discovering and developing products for the treatment and prevention of viral diseases and cancer. We offer a stimulating research environment with excellent collaborative opportunities. The following position is available immediately:

Postdoctoral Fellow
We are seeking a postdoctoral fellow to work on HIV infection of macrophage lineage cells including evaluation of candidate therapeutic agents in macrophage based assay systems and exploration of macrophage derived soluble factors in the pathobiology of HIV infection and its clinical manifestations.

The successful candidate will have extensive cell culture and virology experience with protein biochemistry expertise desirable.

Genelabs has an excellent compensation program including our medical & dental plan, stock option plan, 401(k), 403(b), bonus plan and much more. Qualified candidates should send their C.V. with statement of research interest and three references to: Human Resources, Dept. H, 505 Penobscot Drive, Redwood City, CA 94063. We are an equal opportunity employer.

Public Health Service
National Institutes of Health
Fellowship in Brain Lipid Metabolism

The Laboratory of Neurosciences, National Institute on Aging, National Institutes of Health, invites applications for a fellowship position to study brain lipid metabolism in relation to development, aging and neuroplasticity, pharmacological and physiological activation in animals. Research opportunities include examination of incorporation of radiolabeled fatty acids into brain, using analytical techniques to examine mass and specific activity within precursor pools and phospholipid species; examining brain lipid composition in Alzheimer's disease. The position is located in Bethesda, Maryland, and is available immediately.

Interested candidates should submit their Curriculum Vitae and two letters of recommendation to: Stanley I. Rapoport, M.D., Chief, Laboratory of Neurosciences, National Institute on Aging, National Institutes of Health, Bldg. 10, Room 6C10, 9000 Rockville Pike, Bethesda, MD 20892

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POSTDOCTORAL
FELLOWS

Department of Virology

Hoffmann-La Roche, a research-intensive pharmaceutical company, is seeking postdoctoral fellows to join the Department of Virology.

The successful candidate will have the opportunity to carry out basic research while interacting with colleagues skilled in translating relevant findings into therapeutic approaches. Regulation of viral gene expression (herpes simplex virus, hepatitis B virus, and human immunodeficiency virus), control of viral DNA replication (human papilloma virus) and virus-related cellular transformation are areas of interest. Publication of basic research findings is encouraged.

Qualifications include a PhD in Molecular Virology and relevant research training. Hoffmann-La Roche offers a stimulating research environment, competitive stipends and excellent benefits, at a convenient suburban New Jersey location 12 miles from New York City. For consideration, please send your curriculum vitae and the names of three references to: Mr. Richard Stevenson, Exploratory Research, Hoffmann-La Roche, 340 Kingsland Street, Nutley, New Jersey 07110. We are an equal opportunity employer.

Working Today For A Healthier Tomorrow

CHIEF Neurosurgery
The University of Chicago

The Division of the Biological Sciences, which includes the Pritzker School of Medicine, at The University of Chicago is seeking a Chief of the Section of Neurosurgery for the Department of Surgery.

The Chief will be responsible for providing academic and administrative leadership in the research and teaching of undergraduate, graduate, post-graduate and medical students, as well as interns and residents. The successful applicant will be an outstanding clinical Surgeon with significant research accomplishments, an outstanding record of scientific productivity and demonstrated teaching and administrative abilities that would qualify him/her for the Rank of Professor. Please send a curriculum vitae to:

Dr. Stuart Yudofsky
Chairman, Search Committee for Neurosurgery
5841 S. Maryland Ave./Box 411
Chicago, IL 60637

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Benefit From Our Scientific Advances

The Lindsey F. Kimball Research Institute of the New York Blood Center is an internationally recognized research facility, dedicated to both basic and applied research in the field of hematology and transfusion medicine. Currently, we have immediate opportunities available in the following areas:

CELL BIOLOGY

Perform general technical work including cloning, determination of nucleic acid and amino acid sequences, transfection experiments, etc. BS degree in Molecular Biology required. Background in Biochemistry, Molecular and Cellular Biological Techniques, coupled with at least 1 year experience in cloning essential.

SCIENCE & TECHNOLOGY

Provide technical support for the research lab including performance of experiments, analysis of data, handling of equipment and small research animals, as well as participating in the maintenance and organization of the lab. BS degree in Biology or related science field background required. Experience in research in Biology and Biochemistry. Prior experience with tissue culture required. Expertise in Biochemistry (Columns, Gels, etc.) MOLECULAR BIOLOGY (Hybridization, blots) very helpful. Position offers excellent growth potential and the opportunity to learn new techniques.

Attractive salary and excellent benefits will be offered. Submit resume, indicating position of interest, with salary history/requirements, to: The New York Blood Center, Mr. Jeffrey Stehmer, Manager of Human Resources, 150 Amsterdam Ave, New York, NY 10023. Equal opportunity employer M/F/H/V.

Lindsey F. Kimball Research Institute
A Division of the New York Blood Center

Where concern for the community comes first.
POSTDOCTORAL POSITION

MOLECULAR OPHTHALMOLOGY TRAINING PROGRAM

To study the relationship of oxidative stress and gene expression in lens epithelial cells. Available projects include investigation of [H(2)O2] and its effects using a Fox/3AP-1 transcription system and studies of DNA damage and repair during aging of the human lens. Candidates should have a strong background in biochemistry and experience or training in molecular biological techniques. Submit curriculum vitae with names and addresses of three references to: Abraham Spektor, Molecular Cell Biology Training Program, Department of Biochemistry and Molecular Biophysics, Columbia University, 630 West 168th Street, New York, NY 10032. Columbia University takes Affirmative Action to ensure Equal Opportunity.

POSTDOCTORAL POSITION

An NIH-funded position will be available September 1991 to develop and apply MRI microscopy techniques to problems in developmental biology. Background in MR/MRI required. Opportunities exist for interdisciplinary and cooperative research within the Biological Imaging Center of the Beckman Institute at California Institute of Technology. Send curriculum vitae and names of three references to: Dr. Russell Jacobs, Beckman Institute 139-74, California Institute of Technology, Pasadena, CA 91125. Telephone: 818-562-8380.

TWO POSTDOCTORAL RESEARCH SCIENTIST POSITIONS. Available immediately to study molecular and cellular mechanisms of inhibitory oncosenes in age-associated gene regulation. Particular attention is directed to mRNA stabilization. Molecular biology experience required. Ph.D. or M.D. with appropriate postdoctoral training required. Salary depends upon qualification and experience. Candidates should submit curriculum vitae and names of three references to: Dr. M. D. Green, LGCTR, Columbia University (CU), Columbia Presbyterian Medical Center, 630 West 168th Street, New York, NY 10070. CU is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE, OR RESEARCH ASSISTANT PROFESSOR. To study structure-function relations of cell surface glycoconjugates and roles in intercellular cohesion of Dicytella variabilis. Submit curriculum vitae, references and/or immunological approaches. Previous experience with protein or glycoprotein biochemistry preferred. Available at an entry level of appointment. Send curriculum vitae and three letters of recommendation to: Professor Ellen J. Henderson, Department of Biology, Georgetown University, Washington, DC 20057.

POSTDOCTORAL RESEARCH ASSOCIATE. Position available to participate in an established research program addressing the regulation of key enzymes in fatty acid and membrane phospholipid synthesis. Candidate should have a Ph.D. degree in molecular biology with some experience with radiolabeled fatty acid. Submit curriculum vitae, references and names of three references to: Dr. Charles O. Rock, Biochemistry Department, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38101. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL OR RESEARCH ASSOCIATE. Is sought to join a research laboratory studying the cell and molecular biology of Alzheimer's disease with special emphasis on understanding the cytology of the cytoskeleton in pathogenesis. Candidates should be experienced in current recombinant DNA technology and willing to learn state-of-the-art cell biological methods. Competitive salary is available. Send curriculum vitae and letters of reference to: Dr. Lester L. Binder, The University of Alabama at Birmingham, School of Medicine, Birmingham, AL 35294-0005. Telephone: 205-934-1142. FAX: 205-934-0950. The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

UNIVERSITY OF CALIFORNIA SAN FRANCISCO

POSTDOCTORAL FELLOWSHIPS IN CANCER BIOLOGY

Several fellowships are available for research on the genetics of mammalian tumor suppressor and human cancer biology. The faculty include: Michael J. Banda (tumor biopsy, proteasomes and protein inhibitors), James E. Cleaver (DNA repair genes), William F. Morgan (molecular oncogenes, S. cerevisiae, P. mirumane (DNA recombination), Roder A. Federksen (early mammalian development, cell lineage, transgenic mice and homologous recombination, and the genetics of prostate cancer). Submit curriculum vitae and names of three references to: Dr. Jack Graeber, Molecular and Cell Biology Search, Department of Biochemistry and Molecular Biophysics, University of California, San Francisco, CA 94143-0780. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL ASSOCIATE

Two postdoctoral positions are available to apply molecular biological approaches to the study of membrane proteins. The Department of Molecular and Cell Biology, University of California, Berkeley. Individuals should hold a Ph.D. in biochemistry or molecular biology with experience in cloning and construction of cDNA libraries. The positions offer collaboration with projects at the Parke-Davis Pharmaceutical Research Division. Send curriculum vitae and names of three references to: Dr. D. L. O'Connor, Department of Molecular and Cell Biology, University of California, Berkeley, CA 94720. Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH POSITIONS

SAN DIEGO REGIONAL CANCER CENTER

Postdoctoral research laboratory positions are available in the following areas: gene therapy, tumor immunology, human monoclonal antibodies, active tumor immunotherapy, immunoregulation. Interested candidates should submit curriculum vitae and names of three references to: Dr. Lee Fleming, San Diego Regional Cancer Center, 3034 Science Park Road, Suite 200, San Diego, CA 92121. An Equal Opportunity Employer.

INTERNATIONAL INSTITUTE OF BIOLOGICAL CONTROL

(CAB International) AND NER CENTRE FOR POPULATION BIOLOGY

TWO POSTDOCTORAL RESEARCHERS

Required for a 5-year project: Improving Biological Control through Ecological Research. Two joint positions funded by The Leverhulme Trust and the Imperial College (London University) site at Silwood Park, Ascot. To explore the interface of theory and practice in the biological control of insect pests and weeds by natural enemies, including pathogens. We seek experimental population ecologists interested in testing and developing theory, willing to spend periods of time abroad collaborating with existing IBCC control programs.

Salary range: £11,399 to £18,165 (under review). Starting date: 1 October 1991.


POSTDOCTORAL/RESEARCH ASSOCIATE

Chemists to conduct interdisciplinary research on chemical synthesis and characterization of organic molecules as model systems for the study of membrane remodeling. Send curriculum vitae and letter of reference to: Dr. Lester L. Binder, The University of Alabama at Birmingham, School of Medicine, Birmingham, AL 35294-0005. Telephone: 205-934-0950. The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer.

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POSTDOCTORAL SCIENTISTS

ANTI-INFECTIVES

SmithKline Beecham, a worldwide leader in pharmaceutical research, has a postdoctoral position immediately available in their Anti-Infectives HIV research group. The research program involves the study of HIV Pathogenesis and specifically deals with molecular approaches (i.e. site-directed mutagenesis) to identify and characterize novel targets in HIV.

Qualified candidates will have a Ph.D. in Virology, Biochemistry, Immunology or Pathology. Preference will be given to individuals with demonstrated expertise in virology, molecular biology and/or biochemistry.

Our state-of-the-art research facility is located in suburban Philadelphia, near Valley Forge, PA. SmithKline Beecham Pharmaceuticals provides a stimulating and challenging work environment, based on creativity, commitment and teamwork. We offer an attractive compensation/benefits/relocation package. For confidential consideration, please submit your C.V. and the names of three references to: Nancy Hasson, H0177, SmithKline Beecham Pharmaceuticals, P.O. Box 1539, King of Prussia, PA 19406-0939. We are an Equal Opportunity Employer, M/F/H/V.

SmithKline Beecham
Pharmaceuticals

U.S. Public Health Service
Epidemiology Training Program

Applications are being accepted for the 1992 U.S. Public Health Service (PHS), Epidemiology Training Program. APPLICATIONS ARE DUE SEPTEMBER 16, 1991. Training will begin approximately July 1, 1992.

Features: The first year, trainees attend a university to study epidemiology, biostatistics, and related subjects. The subsequent two years, they will perform research with senior epidemiologists at one of the following: National Institutes of Health (NIH), Food and Drug Administration (FDA), National Center for Health Statistics (NCHS), or Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA).

Pay and allowances will depend on the personnel system agreed upon by the preceptor and the trainee. Agencies can use either of the following two mechanisms:

1. A limited appointment in the Commissioned Corps of the USPHS Commissioned Corps in which the usual starting rank is Lieutenant (O-3). The starting salary for a 0-3 medical officer with dependents is approximately $40,000 depending on training and experience. For non-medical officers of the same rank with dependents, the starting salary is approximately $35,900. About 37% of these salaries is exempt from federal, state, and local income taxes.

2. Appointment as a staff fellow has starting salaries of $38,500 for physicians and $24,800 for non-physicians, with an increase in salary of $2,000 each year. Educational costs and allowable relocation expenses for the first year are provided.

Eligibility: M.D., D.O., Doctorate in an allied health profession, or Ph.D., in a biomedical or behavioral science or equivalent, and one year of postdoctoral training or experience by 7/1/92; U.S. citizenship as of 9/16/91; acceptability to an accredited university offering an MPH or equivalent, or more advanced public health degree.

To obtain an application and more details, send your name and address to: NIH Training Center, USPHS Epidemiology Training Program, EPS/100, 9000 Rockville Pike, Bethesda, MD 20892.

Current Postdoctoral Opportunities
Human Genome Research

The Human Genome Center at Lawrence Livermore National Laboratory has two postdoctoral research positions available to work within the context of the human genome initiative on the development and application of physical mapping technologies for the construction of integrated maps for human chromosomes 19 and 2.

One postdoctoral position will involve the design and implementation of new strategies for cloning, mapping, and characterizing cDNAs. These strategies will largely involve the construction of high-quality, full-length cDNA libraries, the development of master cDNA libraries, and the selection of chromosome—specific cDNAs. (Contact: Dr. Anthony V. Carrano, 415-422-5698)

The second position will focus on implementing mapping strategies that use yeast artificial chromosomes to obtain closure of the chromosome 19 cosmid contig map and that assist in the assembly and closure of the chromosome 2 map. In addition, emphasis will be placed on characterizing the telomeric and centromeric regions of these chromosomes. (Contact: Dr. Emilio Garcia, 415-422-8002).

Both positions require a PhD in Molecular Biology, Biochemistry, Genetics or an equivalent field with extensive experience in recombinant DNA, PCR, and hybridization-based technologies. Previous experience with yeast artificial chromosomes or cDNAs is highly desirable.

The Biomedical Sciences Division offers a wide variety of excellent research and computational facilities in addition to a highly competitive salary and benefits package. Interested applicants are invited to send their curriculum vitae to: Phil Harding, Professional Employment Division, Lawrence Livermore National Laboratory, P.O. Box 808, Dept. A91265BS, L-725, Livermore, CA 94551. Equal Opportunity Employer. U.S. citizenship desired, but not required.

University of California
POSITIONS OPEN

POSTDOCTORAL POSITION. Available immediately to investigate cell wall/membrane biosynthesis in Candida albicans. Experience in cloning, sequencing, etc., or in enzymology of fatty acid/phospholipid biosynthesis is desirable. Send curriculum vitae and names of three references to Dr. R. L. Cihlar, Department of Microbiology and Immunology, University of Wisconsin, Madison, WI 53706. Deadline: December 1, 1980. PEP.

RESEARCH ASSOCIATE. Position available immediately to study the mechanism of nutritional effects on cell membrane lipids, receptors and enzymes. Ph.D. in cell biology, biochemistry, or a related health-related field required. Experience in lipid chemistry, tissue culture, receptor binding, assay of guanine-nucleotide dependent guanylate cyclase is desirable. Send resume and names of three references to: Dr. S. Q. Alam, Louisiana State University Medical Center (LSUMC), Bachiology Department, 901 Bienville Street, New Orleans, LA 70119. LSUMC is an Equal Employment Opportunity/Affirmative Action Employer.

BIOMEDICAL RESEARCHER. For southwestern Ohio cancer research center to conduct research in interferon receptors and interferon-mediated regulation of viral gene expression and underlying biochemical mechanisms. Work involves cloning of genes, their isolation, and characterization, sequencing analysis, identification of functional and regulatory elements, identification of promoter sequences, regulation of their purification and characterization, and studies on signal transduction in gene regulation by interferons. No previous experience required in above duties but applicant will qualify with a Ph.D. in biochemistry or molecular biology. In addition, 2 years of research experience is required to include at least 1 year in area of gene cloning, nucleic acid, recombinant DNA studies, protein assays and protein purification techniques; and at least 1 year in tissue and cell culture, enzyme assay, variational molecular techniques, protein assay, RNA quantitation and protein purification, to have been gained before, during or after degree. Must also have at least three journal publications in field of biomedical research. Forty hours per week, 8 a.m. to 5 p.m.; salary: $28,000 per year. Must have proof of legal authority to work permanently in the United States. Qualified applicants send resume in duplicate (no calls) to: J. Davies, JO1290041, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.

COLLEGE OF PHYSICIANS AND SURGEONS COLUMBIA UNIVERSITY

The Biochemistry and Molecular Biology Section of the College of Physicians and Surgeons is seeking individuals to fill two positions at the STAFF ASSOCIATE and SENIOR STAFF ASSOCIATE level. The chosen individuals will work on the relationship of oxidative stress to carcass formation. Projects include (i) the development of enzyme mimics as antioxidant agents and elucidation of their mechanism of action: this research will investigate development of glutathione peroxidase mimics based on selenium chemistry and thioredoxin-like peptides which are recognized by thioredoxin reductase from reductive antioxidant systems; and (ii) the effect of oxidative stress on cell biology with particular emphasis on the effect of H2O2 on gene integrity and gene expression, and the effect of H2O2 on gene integrity and gene expression, and the effect of H2O2 upon a FOS/JUN AP-1 transcription system. Candidates should have a strong background in biochemistry and cellular biochemistry, as well as cell biology. Submit curriculum vitae with names and addresses of three references to: Abraham Spector, Ophthalmology Research, Columbia Presbyterian and Surgeons of Columbia University, 630 West 168th Street, New York, NY 10032. Columbia University takes affirmative action to ensure equal employment opportunity.

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POSITIONS OPEN

CITY OF SEATTLE AQUARIUM LABORATORY


PLAYFAIR NEUROSCIENCE UNIT THE TORONTO HOSPITAL RESEARCH SCIENTIST

The Playfair Neuroscience Unit is seeking a neurobiologist with research experience in signal transduction/ second messenger systems. Candidates with research interests focusing on ion channels, biochemistry of signal transduction, or molecular biophysics of ion channels are particularly encouraged to apply. The Playfair Neuroscience Unit is a dynamic multidisciplinary unit with more than 20 laboratories. Positions are available immediately. Send resume stating specific experience and research interests to: Dr. Peter L. Carlen, Director, Playfair Neuroscience Unit, Toronto Western Hospital, 399 Bathurst Street, Toronto, Ontario, M5T 258, Canada.

Both men and women are encouraged to apply. In accordance with Canadian immigration guidelines, priority will be given to Canadian citizens and landed immigrants.

RESEARCH SCIENTIST/IMMUNOLOGIST

The U.S. Environmental Protection Agency, Environmental Monitoring and Assessment Laboratory, Immunology Research Laboratory, Parastology and Immunology Branch, Cincinnati, Ohio, has an immediate opening for a permanent full-time microbiologist (immunologist). Applicants should possess postgraduate training, education, and experience in the practices and techniques of microbiology with emphasis on the analytical and cellular methodologies of immunology. Applicants must also demonstrate skill in the use and application of immunoassays and immunoanalytical procedures to selectively capture and detect antigen. Experience in the capture, purification, and assay of mononuclear and polyclonal antibodies is desirable. The incumbent will serve as a senior scientist in a research program directed toward developing and evaluating immunological assays for microorganisms, allergens, and other microbial products in air, water, soil, and food. Research problems include development of a method to assay intestinal protozoa in water and the detection of allergens in indoor air samples. The U.S. Environmental Protection Agency-Cincinnati offers on-site day care and on-site wellness center. Applicants must be U.S. citizens, and must meet U.S. Office of Personnel Management qualification requirements. Salary will be based upon qualifications of candidate. Call 513-569-7250 or 513-569-7250 (hearing impaired) or send Application for Federal Employment (SF-171) or resume by 15 August 1991 to: U.S. Environmental Protection Agency, Human Resources Management Division (SP-04), 26 West Martin Luther King Drive, Cincinnati, OH 45228. Equal Employment Opportunity Employer.

SCIENTISTS/SENIOR SCIENTIST

Mexican scientific and higher education institution staff, guest researchers, volunteers, and international students border, seek specialist in aquaculture with background in genetics, reproduction, nutrition, or parasitology. Candidates should have experience in teaching and/or active research program involving graduate students. Ph.D. required. Mexican citizens expecting to obtain their doctoral degree within the year may also apply. Please send curriculum vitae, copies of publications, three letters of recommendation to: Claudia Farfan, Head, Aquaculture Department, Centro de Ciencias del Agua y del Medio Ambiente, University of Ensenada, B.C. (CICESE), P.O. Box 434484, San Diego, CA 92143-4444.

POSITIONS OPEN

RESEARCH PHYSICAL SCIENTIST. GS-GM-1301-12/13. U.S. Department of Agriculture (USDA) Forest Service, Southern Forest Experiment Station, Institute of Tropical Forestry, Rio Piedras, Puerto Rico. Develop study plans for analyzing atmospheric inputs to the Luquillo Experimental Forest and other tropical forests in Central and South America, plan and prepare quantitative analyses of clouds and rainwater, quantify dry and wet deposition of materials to forested ecosystems; measure and analyze land mass, heat, and chemical constituents between atmosphere and forest (or other vegetation); perform studies of trace gas exchange and nutrient loading to vegetation; perform related studies on mountainous terrains and tropical/subtropical ecosystems; and coordinate a network of sites throughout the tropics. Salary: $37,304 to $44,348 per year. Contact: Ariel E. Lugo, 809-766-6333, or Robert P. Schultz, 504-589-6701. The USDA is an Equal Employment Opportunity Employer.

RESEARCH ASSOCIATE

The Department of Rehabilitation Medicine, Jefferson Medical College, Thomas Jefferson University, seeks a Ph.D. level neuroanatomist/physiologist with interest in spinal cord contusion to conduct research in the animal laboratory of an existing federally funded spinal cord injury center, devoted to the investigation of neural recovery and functional improvement. The individual hired will perform research to determine the course of recovery after spinal cord contusion using physiological and histological procedures. Other responsibilities will include the coordination of study animals, residents and allied health professionals. To apply send curriculum vitae and the names and telephone numbers of three referees to G. J. Herbison, M.D., 1015 Walnut Street, Room 617 Curtis Building, Jefferson Medical College, Thomas Jefferson University, Philadelphia, PA 19107. An Equal Employment Opportunity Employer.

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