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 POSITION OPEN

 ASSISTANT PROFFESSOR, tenure-track. The Virginia Institute of Marine Science (VIMS), School of Marine Science, College of William and Mary, is seeking a scientist with a background in environmental organic analytical chemistry, experimental design, and environmentally relevant modeling. The successful applicant to work with a team on the fate and effect of toxic chemicals in aqueous environments. Women and minority scientists are encouraged to apply. Send three letters of reference and curriculum vitae by 1 July 1988 to Professor W. G. MacIntyre, Search Committee, VIMS, Gloucester Point, VA 23062. Equal Opportunity/Affirmative Action Employer.

 UNIVERSITY OF CINCINNATI COLLEGE OF MEDICINE

 ASSISTANT PROFESSOR—INSECT PEST MANAGEMENT. (Research/Extension). Tenure-track. Long Island University Research Laboratory, Riverhead, New York. Duties include research (70%), extension (30%); emphasis on biology and management of insect pests on vegetables and other commodities. The position is available for long Island Horticulture. Full position description available. Qualifications include Ph.D. in entomology or related discipline with training in insect pest management. Forward: (i) letter describing qualifications and interest, (ii) curriculum vitae, (iii) list of publications (include reprints), (iv) transcripts (post-secondary education), (v) names and addresses to: R. A. Morse, Chair, Department of Entomology, Cornell University, Comstock Hall, Ithaca, NY 14853-0600. Application deadline is 1 August. W. H. Comel is an Equal Opportunity/Affirmative Action Employer.

 ASSISTANT/ASSOCIATE PROFESSOR MOLECULAR IMMUNOLOGY

 Department of Medicine invites applications from Ph.D. and/or M.D. scientists with postdoctoral training and experience in molecular immunology to join an interactive, well-funded, multidisciplinary group of investigators conducting arthritis related research. Although excellent candidates in any area of molecular immunology will be seriously considered, preference will be given to scientists interested in T cell receptor genes. Generous start-up funds, technical support and well-equipped research facilities will be provided and a joint appointment in a basic science department is possible. The University of Miami School of Medicine, Department of Immunology and Pathogenesis, with a Ph.D. in molecular biology, is seeking a Ph.D. biochemist with experience in the metabolism of polyunsaturated hydrocarbons in fish. Applicant must be in training to work with a project involving the effect of toxic chemicals in aquatic environments. Women and minority scientists are encouraged to apply. Send three references and curriculum vitae to: J. W. R. Talbot, Search Committee, Florida State University, College of Veterinary Medicine, Tallahassee, FL 32310. Application deadline is 1 August. The University of Miami School of Medicine is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR, Columbia University, Department of Pathology at the College of Physicians & Surgeons, invites applications for tenure-track appoint- ments. Applicants should have a Ph.D. or M.D. and 2 years of postdoctoral research experience. The successful candidate will develop a research program and to participate in medical and graduate teaching. Experience in research is open, but applicants who have been trained in cell biology or molecular biology of cell surface receptors are especially encour- aged. Applicants should send a curriculum vitae, representative recent reprints, a description of future research plans (not more than three pages), and a list of three references to: Dr. Michael L. Shalanski, Chair- man, Department of Pathology, Columbia University, 630 West 168th Street, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.

The Department of Microbiology, Immunology and Para- sitology seeks candidates for a tenure-track position as ASSISTANT PROFESSOR OF BACTERIOLOG- Y. Appointment at a higher level may be possible for an especially well qualified candidate. The successful applicant will be expected to develop an independent, competitively fund- ed research program focusing on bacterial diseases of animals and to teach veterinary and graduate students. Applicants should have a Ph.D., D.V.M./Ph.D. or equiva- lent. Postdoctoral experience is preferred and expertise in the area of parasitology is essential. Applicants must be able to function as part of a major commitment by the department to apply the modern approaches to infectious disease research. Applicants including curriculum vitae and the names and addresses of at least three references should be sent to: Dr. John Timoney, Chairman, of the Search Committee, Department of Microbiology, Immunology and Para- sitology, NYS College of Veterinary Medicine, Schurman Hall, Cornell University, Ithaca, NY 14853-6401, by 15 August 1988. Telephone inquiries will be welcomed.

Cornell University is an Equal Opportunity/Affirmative Action Employer/Educator.

ASSISTANT/ASSOCIATE OR FULL PROFES- SOR of Soil Microbial Ecology in the Land, Air and Water Resources Department, University of California at Davis. The tenured or tenure-track position is available 1 December 1988 as an 11-month teaching and research appointment. Applicants are expected to have a Ph.D. in soil microbiology or a closely related field and a strong background in ecology. Experience with soil, plant-land systems, residue management, or surface materials is essential. Teaching responsibilities include an undergraduate lecture course in soil microbial ecology and a graduate course in the applicant's field, and advising. The successful candidate is expected to develop a research program in research and applied aspects of microbiology and microbial ecology. Submit a résumé, official undergraduate and graduate academic transcripts; copies of publications, press and submitted manuscripts; a summary or abstract of the Ph.D. disserta- tion; and names, addresses, and telephone numbers of at least three references to: R. J. Zasoski, Soil Microbial Ecologist Search Committee Chair, Department of Land, Air, and Water Resources, University of Cali- fornia, Davis, CA 95616. Applications should be received by 1 September 1988. An Affirmative Action/Equal Opportunity Employer.

The Children's Mercy Hospital in Kansas City, Mis- souri, is searching for a CANCER PHARMACOLOGIST. Our hospital is a 167-bed pediatric acute care center and is affiliated with the University of Missouri. This faculty position would be an assistant or associate professor level. Responsibilities include monitoring che- motherapy levels in order to determine optimum treat- ment and to conduct research in cancer pharmacology. Laboratory and technician support provided. Qualified applicants will need to prove research accomplishments and evidence of academic and clinical cur- rum vitae to: Dr. Arnold Freeman, Professor, Chief, Section of Hematology/Oncology, The Children's Mercy Hospital, 24th at Gillham Road, Kansas City, MO 64108.

The Harbor Branch Oceanographic Institution (HBOI) is seeking to fill an entry-level position on the Assistant Scientific Staff of the Division of Marine Sci- ences. Applicants should have 2 years of postdoctoral experience in at least one of the following areas of marine science: Microbiology, marine mammal physiology, and the ability to respond to new challenges. Applicants should have a Ph.D. or equivalent degree, and a strong background in marine science: Microbiology, marine mammal physiology, and the ability to respond to new challenges. Send curriculum vitae, bibliography, current accomplishments and goals, and names of three references to: Chair, Search Committee, Dr. Louis J. Ignarro, Department of Pharmacology, Veterans Administration Medical Center for the Health Sciences, Los Angeles, CA 90024. An Affirmative Action/Equal Opportunity Employer.

BILOGIST OR PHYSICAL OCEANOGRAPHER

The Harbor Branch Oceanographic Institution (HBOI) is seeking to fill a position of oceanographer in the areas of physical oceanography or marine biology, to perform research in one of the following areas: Physical Oceanography, Marine Biology, or Marine Geology. Send curriculum vitae, a statement of past accomplishments, current interests and goals, and names of three references to: Chair, Search Committee, Dr. Louis J. Ignarro, Department of Pharmacology, Veterans Administration Medical Center for the Health Sciences, Los Angeles, CA 90024. An Affirmative Action/Equal Opportunity Employer.

The Department of Pathology of the SUNY Health Science Center at Syracuse announces a position in the Division of Clinical Pathology as CO-DIRECTOR OF CYTOGENETICS at University Hospital. Applicant must meet the requirement for New York State Certifica- tion of Qualification as a Laboratory Director of Cyto- genetics. Applications will be accepted through 1 July 1988. Send a letter describing experience with cyto- genetics, curriculum vitae and the names of three references to: Lawrence P. Gordon, M.D., Department of Pathology, SUNY Health Science Center, Syracuse, NY 13210. An Equal Opportunity/Affirmative Action Employer.

DIRECTOR
OFFICE OF RESEARCH SAFETY
NORTHWESTERN UNIVERSITY

Northwestern University is seeking a Director for its Office of Research Safety, a centrally administered unit that is responsible for implementing and maintaining regulatory compliance with applicable federal and state regulations and university policies. Candidates should have a Ph.D., or equivalent degree, in health physics, environmental health, chemistry or related field, and at least 5 years of experience, including administra- tion, in an environmental health program or office. The Director reports to the Vice President for Research and Dean of the Graduate School through the Director of Research Services Administration. The position is available on July 1, 1988. The applicant should submit a résumé, including the names of at least three references, to: Search Committee, Research Services Administra- tion, Northwestern University, 633 Clark Street, Evanston, IL 60208. Northwestern University is an Equal Opportunity Employer.

FACULTY POSITION
BIOENGINEERING OF SENSORY MECHANISMS
UNIVERSITY OF PENNSYLVANIA

The Department of Bioengineering at the University of Pennsylvania has an opening at the assistant professor level for a tenure-track position in the area of sensory mechanisms. A background suitable for participation in ongoing research programs and initiating new projects in areas of sensory signal transformations, coding, encoding, and analysis including applications of computational and engineering in the visual or auditory systems is required. The Department is part of the School of Engineering and Applied Science and maintains academic programs at the bachelor's, master's and Ph.D. levels. Applicants should have a Ph.D. or equivalent degree in engineering or physics, and be qualified to teach both undergraduate and graduate courses. Applicants must submit a résumé, including names and telephone numbers of at least three references, to: Dr. Mitchell Litt, Chair, Department of Bioengineering, University of Pennsylvania, 220 South 33rd Street, Philadelphia, PA 19104-6392. The University of Pennsylvania is an Affirmative Action/Equal Opportunity Employer.
DIRECTOR, biology teaching laboratories. Lecture-ship, 1-year renewable, salary negotiable. Ph.D. or experience expected. This position is to coordinate activities of several small graduate laboratories, develop new exercises, supervise teaching assistants and staff. Send letter describing teaching experience/interests, curriculum vitae, and names of three references by 15 July 1988 to: Mrs. Roberta W. Ellington, Section of Biological Sciences, Northwestern University, 2030 Sheridan Road, Evanston, IL 60208, An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS IN MAMMALIAN MOLECULAR BIOLOGY
UNIVERSITY OF TEXAS HEALTH CENTER

The Department of Molecular Biology of the University of Texas Health Center at Tyler invites applications to fill several faculty positions in the area of mammalian gene regulation from investigators with promise of, or with a record of, independent, extramurally funded, research. Preference will be given to individuals with research interests in one of the following areas: (a) transcriptional regulation of gene expression (b) regulation of gene(s) important for the synthesis of extracellular matrix components, or (c) to scientists applying the techniques of molecular biology to the study of lung tissue types. Applicants will be expected to build strong, sponsored research programs on a full-time basis, with no teaching responsibility. Salary is completely dependent on research experience and peer recognition. Please send curriculum vitae, a statement of research goals, and names of three references to: Dr. Gokul C. Das, Department of Molecular Biology or Dr. Richard G. Painter, Department of Biochemistry, The University of Texas Health Center at Tyler, P.O. Box 2003, Tyler, TX 75710. Affirmative Action/Equal Opportunity Employer.

TWO FACULTY POSITIONS
MOLECULAR BIOLOGY/BIOCHEMISTRY

The Department of Biochemistry at Indiana University School of Medicine is seeking applicants for two full-time, tenure-track faculty positions at the assistant, associate, or full professor level. Applicants should have a Ph.D., M.D., or equivalent degree and postdoctoral experience in molecular biology/biochemistry. It is expected that the new faculty will develop independent research programs with external funding in areas of molecular biology such as: regulation of eukaryotic gene expression, DNA replication, and RNA processing. The successful applicants will be provided with a research laboratory, funds to support startup research programs, and appropriate research facilities. Space and start-up funds will be provided. Faculty are involved in medical and graduate programs. Applicants should have a strong commitment to the development of research plans and the names of three references to: Dr. William Bosron, Department of Biochemistry, Indiana University School of Medicine, Indianapolis, IN 46223. Affirmative Action/Equal Opportunity Employer.

FRUIT BREEDER
Department of Horticulture, Rutgers-The State University of New Jersey, New Brunswick invites applications for position in genetic improvement of cultivated fruit species with primary emphasis on peaches. This is a tenure-track, 12-month appointment at the assistant or associate professor level. Applicants are expected to continue a vigorous program in obtaining new peach varieties and develop research activities to provide research information leading to manipulation of peach types. The latter could be developed in collaboration with other professionals in NJAES and the newly formed Center for Agricultural Molecular Biology. Applicants should provide evidence of a strong record of teaching, research and/or extension. Applications will be accepted until 4 March 1988. Salary commensurate with experience. Send letter of application, curriculum vitae, and names of three references to: Dr. Gojko Jelenkovic, P.O. Box 231, New Brunswick, NJ 08903. Telephone: 1-201-932-5000. Affirmative Action/Equal Opportunity Employer.

HEAD, Department of Chemistry and Biochemistry, Utah State University. Utah State University seeks an outstanding leader for its teaching and research programs in the Department of Chemistry and Biochemistry. The Head of the Department is the chief administrative officer with major responsibilities in administrative, budgetary, and promotion decisions. In addition to administering the department, the head will be expected to conduct vigorous research programs. Candidates should possess an established reputation in research and have academic teaching experience. Administrative experience or demonstrated leadership potential preferred. The head will hold the rank of Professor with tenure. Interested applicants should send a letter of interest, curriculum vitae, and names and addresses of three references to: Dr. Olaf R. Comins, Chairman, Search Committee, Department of Chemistry and Biochemistry, Utah State University, Logan, UT 84322. Telephone: 801-789-1627. Inquiries and applications will be kept confidential. Applications will be accepted until the position is filled. Utah State University is an Affirmative Action/Equal Opportunity and IRCA Employer.

HEALTH POSITIONS
UNITED STATES CONGRESS

Two or more demanding, full-time ANALYTICAL POSITIONS currently available with congressional research agency for public policy studies.

FACULTY DIVERSITY. Applicants should be skilled in research methods, critical literature review, and writing. Applicants should have a Master's degree plus several years of experience or a Ph.D. Direct experience and training in microbial or developmental processes (b) and/or development issues preferred. (Ref. Job #DD-1)

NEW DEVELOPMENTS IN NEUROSCIENCE
Recent Ph.D. in biochemical sciences (preferably neuroscience). Broad background and excellent command of written and spoken English required. Experience in science writing and/or science policy desired. (Ref. Job #IC-1)


Harvard University. The Department of Psychology is searching for JUNIOR APPOINTEES (initially for a 5-year term), beginning 1 July 1989 in the area of developmental psychology. Candidates should hold the doctoral degree by the appointment date to be eligible for a postdoctoral fellowship. Inquiries should include reprints, a current curriculum vitae, and addresses of three references. Positions are available for 1989-90. Interested individuals should send their curriculum vitae, and the names and addresses of three references to: Dr. Kenneth Moore, Department of Psychology, 1605 Boylston Street, Michi
gan State University, East Lansing (MI), 48824. MSU is an Affirmative Action/Equal Opportunity Institution.

NEUROENDOCRINOLOGY / NEUROPHARMA
MOCOLOGY: A postdoctoral research associate position is available to study the role of hypothalamic-aminergic and peptidergic neurons in the regulation of pituitary hormone secretion and vision. Interested candidates should send their curriculum vitae, and the names and addresses of three references to: Dr. M. J. Nikitovitch-Winer, Chairman, Department of Anatomy, University of Kentucky Medical Center, Lexington, KY 40536-0084. Equal Opportunity/Affirmative Action Employer.

NEUROSCIENCE RESEARCH ASSISTANT.
Develop computerized databases of neuron morphology in epilepsy, brain stimulation and neuroendocrinology; and research, writing, and editing of research reports and grant applications in Philadelphia hospital. Recent Ph.D. in neuroscience or comparable degree in medical science with neurology subspecialty; excellent medical research and writing skills; clinical research training; at least 1 year of experience in a research context. Salary $20,000: 40 hours per week. Equal Opportunity Employer. Reply with resume to: Philadelphia, 444 North 20th Street, Philadelphia, PA 19123, Attention: Job Order No. 4191832.

Ph.D. MOLECULAR GENETICIST—The Albert Einstein Medical Center, Departments of Pediatrics and Pathology, seeks a Ph.D. molecular geneticist to establish a DNA Probe Laboratory, initially directed toward hematologic malignancies, certain solid tumors and the fragile X syndrome for both service and research pur-
poses. Other directionally contiguous laboratories include cytogenetics, molecular and cell biology, develop-
mental biology and immunology. Salary and academic appointment at Temple University commensurate with experience. Please mail curriculum vitae and three refer-
ces to: Dr. Peter Mamunes, Chairman, Department of Pediatrics, or Dr. I. Daskal, Chairman, Depart-
ment of Pathology, Albert Einstein Medical Center, York and Tabor Roads, Philadelphia, PA 19141.

PLANT MOLECULAR BIOLOGY

One or two POSTDOCTORAL POSITIONS are available July 1988 for mutational analysis of cereal genes in transgenic rice plants. A Ph.D. in plant molecular biol-
ogy, biochemistry, genetics, or with experience in recom-
binant DNA technique or cell biology is preferred. Salary $24,000 per year. Send resume to: Dr. Norimoto Murai, Department of Plant Pathology and Physiology, University of Southern California, 5267 Lunt Avenue, Los Angeles, CA 90089.

An Equal Opportunity Employer

MARINE LABORATORY DIRECTOR

Bigelow Laboratory for Ocean Sciences wishes to fill the position of Director of the Laboratory before 1 January 1989. Candidates must have Ph.D. and extensive level marine scientists with strong records of research in oceanography. Nominations and applications, with the names of three references, should be sent to: Mr. Robert M. Kidd, Bigelow Laboratory for Ocean Sciences, West Boothbay Harbor, ME 04575. Telephone: 207-633-2172. Closing date for applications is 1 September 1988. An Equal Opportunity Employer.

NEUROBIOLOGISTS. Department of Anatomy and Neurobiology has immediately available two tenure-
generating assistant professors. Individuals with experience in current cellular and molecular approaches to problems in neurobiology of development, reproduction, regeneration, aging, and in neuroendo-
crinology (especially control of secretory processes of pituitary cells) are preferred. Excellent opportunities exist for research collaboration with endowed Centers for Research in Aging and Cancer, and a Magnesium Reso-
nance Imaging facility. Ph.D. degree and 2 years of postdoctoral research training required, as well as a strong background in teaching. Candidates should apply to team-taught neuroanatomy or gross anatomy teaching and participation in department's graduate program is expected. Members of under-represented groups, as well as women are urged to apply. To: Dr. Richard D. Doherty, Department of Anatomy, University of Kentucky Medical Center, Lexington, KY 40536-0084. Equal Opportunity/Affirmative Action Employer.

MICROBIOLOGY CHAIRPERSON.
The Saint Louis University School of Medicine is seeking a midcar-
er M.D. or Ph.D. investigator to head an active, well-
 funded, moderately sized Department of Microbiology. Current departmental research is broadly based but contains a strong core of interest in membrane and organelle structure, function, and biogenesis. The successful candidate will be expected to bring with him/her an established, funded research program and a commit-
ment to promoting the research of other investigators. The ChairPERSON will serve as a resource to faculty, and national and international recognition in the molecular mechanisms in pathogenesis are particularly encouraged. Previous administrative experience is desirable but not required. Nominations, letters of inquiry and applications (including curriculum vitae and the names of three referees) should be sent to: Dr. Arnold J. Kahn, Pediatric Research Institute, 3662 Park Avenue, New York, NY 10032. An Affirmative Action/Equal Opportunity Employer.

PLANT MOLECULAR BIOLOGY

One or two POSTDOCTORAL POSITIONS are available July 1988 for mutational analysis of cereal genes in transgenic rice plants. A Ph.D. in plant molecular biol-
ogy, biochemistry, genetics, or with experience in recom-
binant DNA technique or cell biology is preferred. Salary $24,000 per year. Send resume to: Dr. Norimoto Murai, Department of Plant Pathology and Physiology, University of Southern California, 5267 Lunt Avenue, Los Angeles, CA 90089.

An Equal Opportunity Employer.
COMPUTATIONAL DRUG DESIGN

Applications are invited from Ph.D level computational chemists interested in joining exciting receptor-based drug design projects at our laboratories in La Jolla, California. We seek talented scientists experienced with modern computational and graphic techniques. Successful candidates must be willing to interact with colleagues in X-ray crystallography, organic synthesis, biochemistry, and molecular biology.

Facilities include state of the art computation and graphics hardware. Compensation package includes employee stock option plan. Please apply with curriculum vitae and letters of reference to:

Dr. Russell Bacquet
Agouron Pharmaceuticals, Inc.
11025 North Torrey Pines Road
La Jolla, California 92037

MEDICAL AND SENIOR STAFF FELLOW

The Laboratory of Clinical Studies, National Institute on Alcohol Abuse and Alcoholism, Public Health Service invites applications for two Fellowship positions to study the patho-physiology, psychobiology and molecular biology of alcoholism and its complications. Unique opportunity to become an active member of a multidisciplinary research team working with a 10 bed unit and outpatient clinic. State-of-the-art equipment and experienced technical support available. The positions are those of a Medical and Senior Staff Fellow with a salary range of $32,000.00 to $49,000.00 per annum commensurate with qualifications and are located on the National Institutes of Health campus in Bethesda, MD. Interested candidates must be board certified or eligible interns, neurologists or psychiatrists, who are U.S. citizens or permanent residents. Position information and qualifications requirements may be obtained by contacting: Markku Linnola, M.D., Ph.D., Building 10, Room 3B-19, 9000 Rockville Pike, Bethesda, MD 20892, telephone number 301/496-9705. Submit Curriculum Vitae and names of three referees to Dr. Linnola. The positions are now available.

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GENETICIST

Smith College seeks a broadly based, doctoral level geneticist for a 3-year, possibly renewable, assistant professor, non-tenure-track appointment to begin January, 1989. Level of appointment may be negotiated commensurate with experience. Minority applicants are strongly encouraged to apply. Duties include teaching undergraduate genetics as well as participating in other departmental offerings, and maintaining an active research program in which undergraduates may participate. Smith College, an independent liberal arts college for women, provides excellent facilities for research and teaching, and for interactions with colleagues at four neighboring academic institutions. Applicants should submit statements of teaching and research interests, curriculum vitae, and three letters of recommendation as soon as possible but no later than October 1, 1988 to V. Haysen, Department of Biological Sciences, Smith College, Clark Science Center, Northampton, MA 01063. Smith College is an EOE/AA Employer.
POSTDOCTORAL POSITION

POSITIONS OPEN

PHYSICAL OCEANOGRAPHER NUMERICAL MODELER

The University of Delaware College of Marine Studies invites applications for a 12-month, tenure-track faculty position in physical oceanography. Applicants should have a Ph.D. in physical oceanography or a related field, with experience in numerical modeling of oceanic and atmospheric processes. The successful applicant will be encouraged to develop an independent research program which may include collaboration with other physical oceanographers involved in the College. The College has an active group of physical oceanographers involved in field and model studies, laboratory experimental work and historical data analysis.

Facilities available include IBM 3090 Computer running under VM/CMS and high-speed access to national super computer networks. Teaching at the graduate level will be required and the successful candidate will be expected to develop a funded research program involving graduate students.

It is anticipated that the appointment will be at the assistant or associate professor level. Applicants should send curriculum vitae, pertinent reprints, and the names of three references by 31 August 1988 to: The Chairman, Dr. Kent S. Price, Associate Dean, College of Marine Studies, University of Delaware, Lewes, DE 19958. Telephone: 302-645-4256. The University of Delaware is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE POSITIONS

Two postdoctoral positions are available in the laboratory of Dr. R. J. Deitrich, Department of Pharmacology, School of Medicine, University of Iowa. The NIH-funded laboratory analyzes the role of neurotransmitters in brain function and memory. The successful candidate will have a Ph.D. in neuroscience, physiology, pharmacology or a related discipline. Salary is negotiable. Please send curriculum vitae and names of three references to: Dr. R. J. Deitrich, Department of Pharmacology, University of Iowa, Iowa City, IA 52242.

POSTDOCTORAL POSITIONS

POSITIONS OPEN

Dr. Robert S. Molday, Department of Biochemistry, University of British Columbia, Vancouver, B.C., Canada V6T 1W5

An Equal Opportunity Employer

POSTDOCTORAL POSITIONS

THE UNIVERSITY OF CALGARY

POSTDOCTORAL POSITION IN BIOLOGICAL SCIENCE

Dr. Robert P. M. Deacon, Department of Biological Sciences, University of Calgary, Calgary, Alberta, T2N 1M4 Canada

POSTDOCTORAL FELLOW in Molecular Biology

NORTHWESTERN UNIVERSITY

Positions available in the laboratory of Dr. J. F. Chambon, Department of Cell Biology, Northwestern University Medical School, 303 East Chicago Avenue, Chicago, IL 60611.

POSTDOCTORAL FELLOWSHIP in MOLECULAR MECHANISMS OF VISION

A postdoctoral position will be available to participate in ongoing studies on molecular mechanisms in vertebrate vision. In particular, the experimentation will focus on the role of rod and cone photoreceptors and rod photoreceptor regeneration in diabetes. The successful candidate will be expected to develop an independent research program which may include collaboration with other molecular biologists involved in the laboratory. The candidate will be expected to develop a funded research program involving graduate students.

Postdoctoral positions available immediately to study cell biology of normal and cataractous lenses. The candidate should have a Ph.D. in cell biology or a related field with experience in protein characterization and cell biology. The successful candidate will be expected to develop a funded research program involving graduate students.

It is anticipated that the appointment will be at the assistant or associate professor level. Applicants should send curriculum vitae, pertinent reprints, and the names of three references by 31 August 1988 to: The Chairman, Dr. Kent S. Price, Associate Dean, College of Marine Studies, University of Delaware, Lewes, DE 19958. Telephone: 302-645-4256. The University of Delaware is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

POSITIONS OPEN

Ph.D. in biochemistry or a related discipline is required. Applications from candidates with experience in protein biosynthesis or metabolism are particularly encouraged. The successful candidate will be expected to develop a funded research program involving graduate students.

It is anticipated that the appointment will be at the assistant or associate professor level. Applicants should send curriculum vitae, pertinent reprints, and the names of three references by 31 August 1988 to: The Chairman, Dr. Kent S. Price, Associate Dean, College of Marine Studies, University of Delaware, Lewes, DE 19958. Telephone: 302-645-4256. The University of Delaware is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL AMERICAN BIOCHEMICAL SOCIETY FELLOWSHIP

POSITIONS OPEN

The American Society for Biochemistry and Molecular Biology is pleased to announce the 1988-1989 American Biochemical Society Fellowship Program in Biological Chemistry. The fellowship program is open to individuals who have obtained a Ph.D. degree in the physical or biological sciences and who are interested in pursuing a research career in biological chemistry. The fellowship provides support for two years, with a maximum of $25,000 per year, to fund research in the United States or Canada. The fellowship is intended to support the development of new research ideas and to encourage the establishment of a research career in biological chemistry. The application deadline is 15 March 1988. Further information and application materials are available from: The American Society for Biochemistry and Molecular Biology, 9650 Rockville Pike, Bethesda, MD 20814-3994.
POSITIONS OPEN

POSTDOCTORAL POSITION to study the molecular basis of herpes simplex and varicella zoster virus pathogenesis utilizing unique models of primary and recurrent infection. Applicant should be a recent Ph.D. with a strong background in molecular biology. Salary range: $21,000 to $25,000. Submit curriculum vitae and brief description of prior research to: Dr. Lawrence Stanberry, Division of Infectious Diseases, Children's Hospital Research Foundation (CHRF), University of Cincinnati, Elland and Bethesda Avenues, Cincinnati, OH 45229. CHRF is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION: Available immediately for cell and molecular biologist to participate in a comprehensive study examining DNA repair mechanisms and cellular recovery processes and their relationship to radiation resistance in cultured insect cells. Emphasis will be on isolation of genetic material associated with the pronounced radioresistance. Experience in modern molecular biology techniques desirable. Please submit curriculum vitae and names of three references to: Dr. T. M. Koval, Department of Oncology, Mayo Clinic, Rochester, MN 55905. An Equal Opportunity/Affirmative Action Institution.

POSTDOCTORAL POSITION—Available immediately to conduct research on molecular aspects of baculovirus pathogenesis. Investigations focus on cloning, sequencing, mode of action, and expression of virus enhancing genes. Candidates should have a Ph.D. in the area of biological science; emphasis in molecular biology and/or virology preferred. A 2 or 3-year appointment is available. Starting September 1988. Submit curriculum vitae and names of three references to: Dr. Robert R. Granados, Boyce Thompson Institute, Cornell University, Ithaca, NY 14853. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION: Ecology

Ph.D. with expertise in computer programming, data management, and statistics to collaborate in analysis of spatial and temporal variation of bird populations. Experience with avian ecology or GIS desirable. Available 1 October 1988. Send letter, curriculum vitae, and telephone numbers of references immediately to: Dr. James H. Brown, Department of Biology, University of New Mexico, Albuquerque, NM 87131.

POSTDOCTORAL POSITIONS at the Monell Chemical Senses Center. Interdisciplinary programs in chemical communication with close interaction between chemists and biologists. Studies involve analysis of small molecule receptors and their role in mammalian chemical communication. A strong background in protein biochemistry and/or organic analytical chemistry, and interest in working at the interface between chemistry and biology are required. Send curriculum vitae and three letters of reference to: Professor Amos B. Smith, Monell Chemical Senses Center, 3500 Market Street, Philadelphia, PA 19104. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS MOLECULAR AND CELL BIOLOGY

Tumor Cell Biology Department has several funded positions available for investigators interested in studying signal transduction by the CSF-1 receptor (c-fms proto-oncogene) and its oncogene-coded (v-fms) counterpart. Current research interests include: identification of "activating" mutations in the c-fms and v-fms transduction into target cells of different lineages, and biochemistry of oncogene- and receptor-mediated signal transduction. Ongoing studies emphasize interdisciplinary molecular, cell biological, and biochemical approaches, with a focus on hematopoietic systems. Previous experience in molecular and cell biology and/or biochemistry is preferred, and general familiarity with oncogenes, growth factors, and their receptors would be desirable. Minimum stipend: $22,000 per annum plus fringe benefits. Send curriculum vitae, brief statement of research interest, and names of three referees to: Dr. Charles J. Sherr, Department of Tumor Cell Biology, St. Jude's Children's Research Hospital, Memphis, TN 38105. Equal Opportunity/Affirmative Action Employer.

SECTION HEAD

Ph.D. SCIENTIST

MOLECULAR IMMUNOLOGY

The division of Immunopharmacology within the department of Experimental Therapeutics at Wyeth-Ayerst Research has an immediate opening for a senior level candidate to head the Molecular Immunology section.

Responsibilities will include directing and performing radioreceptor binding assays for IL-1 to elucidate structure activity relationships, integrating biochemical and immunological data to develop a better understanding of cytokine actions and developing strategies for exploring therapeutic potential of growth factor inhibitors/antagonists, in various rheumatological disorders. This position will be responsible for the day-to-day activities of a group, and will be expected to define attainable goals in drug discovery.

Candidates should possess a Ph.D. with 3-5 years of research experience in cytokine receptors, in vitro and/or in vivo. Excellent management, supervisory and communication skills are required as well as demonstrated achievement through publications in peer reviewed journals.

Wyeth-Ayerst offers an excellent salary and benefits package along with opportunities for career advancement. Our modern laboratory facilities are conveniently located in central New Jersey. Interested candidates should forward their curriculum vitae indicating salary history to:

Personnel Manager, Dept. JC

WYETH-AYERST RESEARCH

CN 8000
Princeton, NJ 08543-8000

Equal Opportunity Employer M/F/H/V

POSTDOCTORAL RESEARCH ASSOCIATE

Sandoz Pharmaceuticals Corporation is responsible for products that improve the quality of life. Our developments are the result of research conducted by professionals who specialize in many different fields.

The Department of Lipid and Lipoprotein Metabolism at the Sandoz Research Institute, seeks an individual with a Ph.D. degree for a research project related to the enzymatic regulation of cholesterol biosynthesis. The successful candidate will be an energetic, aggressive scientist with a strong background in the purification and characterization of membrane bound enzymes, and classical biochemistry. Research opportunities will extend into the areas of immunology and molecular biology. This is a one year industry-based position which may be extended up to two years by mutual agreement. It offers the outstanding candidate the freedom to work and publish as part of an interdisciplinary team of chemists, biochemists, and molecular biologists, in an exciting, well-supported research environment.

Positions at Sandoz offer personal satisfaction, professional opportunity/challenge, competitive salaries and an excellent benefits package. Our campus-like facilities are conveniently located in northern New Jersey.

For prompt consideration, please send a curriculum vitae, a list of professional references and a brief summary of prior research experience to:

SANDOZ

Department of Human Resources (403/1)
SANDOZ RESEARCH INSTITUTE
SANDOZ PHARMACEUTICALS CORPORATION
East Hanover, New Jersey 07936

An Equal Opportunity Employer M/F/H/V

17 JUNE 1988
U BC
The University of
British Columbia

Department of Biochemistry
and
Department of Chemistry
NSERC – UNIVERSITY RESEARCH FELLOW

The Departments of Biochemistry and Chemistry, along with the Biotechnology Laboratory, at The University of British Columbia plan to nominate an NSERC – University Research Fellow to begin July 1, 1989 and invites applications from qualified candidates. Preference will be given to candidates whose research interests lie in the applications of NMR spectroscopy to the study of protein structure and function. NSERC – University Research Fellows must be Canadian citizens or landed immigrants. These fellows carry out research, direction of graduate students and teaching comparable to starting assistant professors.

Applications consisting of a curriculum vitae, list of publications, summary of research interests, a detailed research proposal, and the names and addresses of at least three referees should be sent before August 1, 1988 to: Larry Weller, Professor and Head, Department of Chemistry, The University of British Columbia, 2036 Main Mall, Vancouver, B.C. Canada V6T 1Y6.

THE GRADUATE HOSPITAL
RESEARCH PROGRAM
Philadelphia, PA

Hulda and George McKay
Research Fellowships

The Graduate Hospital of Philadelphia, Pennsylvania announces a call for nominations for the Hulda and George McKay Research Fellowships. Fellows will be appointed for two-year terms beginning July 1, 1989. A third year may be awarded based on meritorious performance. The purpose of the Hulda and George McKay Fellowship is to provide young investigators who recently have completed their postdoctoral training the opportunity to continue research of interest to them and comitantly of interest to The Graduate Hospital Research Program. Areas of interest include:

- Mucosal Defense Mechanisms
- Neuropharmacology
- Pulmonary Pathology
- Regulation of Connective Tissue Synthesis
- Tumor Immunology
- Vascular Smooth Muscle Regulation and Alterations in Hypertension

Letters of nomination together with the nominee’s curriculum vitae may be submitted by September 30, 1988 to: Robert F. Lovelace, Ph.D., Director, Research Administration, The Graduate Hospital, One Graduate Plaza, Philadelphia, PA 19146.

The Graduate Hospital is an Equal Opportunity/Affirmative Action Employer.

BUILDING A NEW LAB?

LET THE SCIENCE FREE PRODUCT INFORMATION SERVICE PUT YOU IN TOUCH WITH THE VENDORS WHOSE PRODUCTS YOU WILL NEED.

SIMPLY WRITE US A LETTER STATING THE SPECIFICS ABOUT YOUR PROPOSED LAB AND WE WILL DO THE REST.

WRITE TO:

SCIENCE MAGAZINE
NEW LAB SERVICE DEPT.
1515 BROADWAY
NEW YORK, N.Y. 10036
The position (Reference No. 1124/4) of University Professor (C 4) for Tropical Medicine I of the Faculty of Medicine is available beginning October 1, 1988.

Responsibilities:

According to the new structural concept of the Bernhard Nocht Institute for Tropical Medicine, Department of Health Hamburg, the occupant of this position will in future at the same time be Head of a new Division of Immunology and Molecular Biology. This Division shall conduct research in the area of immunology or molecular biology of tropical infectious diseases caused by parasites, bacteria or viruses.

It is planned to create two additional university professor C4 positions for Tropical Medicine II and III, leading two further divisions of the Bernhard Nocht Institute at the same time.

From these three C4 professors, the future Director of the Bernhard Nocht Institute may be selected after 5 years (beginning 1993 for periods of 6 years).

Teaching:

6 hours per week per semester; with corresponding reduction in case of patient care responsibilities.

Conditions of Employment: According to § 15 Hamburgisches Hochschulgesetz

Applicants may be M.D.s or Ph.D.s with immunological or molecular biological orientation.

The occupant of the chair must be capable of participating in and continuing with the on-going reorganization of the Bernhard Nocht Institute.

The University of Hamburg endeavors to increase the proportion of women among the scientific personnel and wishes to emphasize that qualified women are encouraged to apply.

Applications, including curriculum vitae, bibliography and list of teaching experiences, are requested to be submitted (with above Reference No.) as soon as possible, to the President of the University of Hamburg, Verwaltung personelreferat-334.7-Moorweldenstr. 18, D-2000 Hamburg 13, Federal Republic of Germany.

The Office of Naval Research (ONR) is seeking an outstanding individual to serve in this Civil Service position in the Senior Executive Service. Salary range is $64,700 to $73,400, depending on qualifications. In addition to salary, career SES appointees are eligible to compete for performance awards and bonuses.

The Director, Ocean Engineering Division is responsible for providing leadership, coordination and direction for ONR's $16M fundamental research programs in ocean technology, coastal sciences, research facilities and remote sensing. The goal of the Division is to understand the interactions of ocean processes with man-made structures, and sensors and systems. The Division Director is the scientific administrator of ONR R&D activity in the described fields with full responsibility for staffing his/her program, establishing overall priorities and procedures, and recommending change in program objectives and policies to the Director, Ocean Sciences Directorate. The Division Director serves as the principal consultant to the Navy on developing naval applications in ocean engineering and related fields.

Candidates should possess a Ph.D. or equivalent in engineering, oceanography or physics and have significant experience in ocean engineering or a related field. Considerable experience in the administration and management of research and its application to development is also required.

Interested persons should submit a Standard Form 171, Application for Federal Employment (available at Federal Job Information Centers or from the address below) and a resume including a list of publications, to:

OFFICE OF THE CHIEF OF NAVAL RESEARCH
Civilian Personnel Division, Code 01242P, Attn: Announcement 88-45 (S)
800 North Quincy Street, Arlington, VA 22217-5000

Applications will be accepted through 19 August 1988 and must be received by that date. Applicants are requested to complete the appropriate supplemental forms. For further information and supplement forms, please call (202) 696-4705.

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POSSESSIONS OPEN

POSTDOCTORAL POSITIONS

THROMBOSIS RESEARCH

FulIly-funded positions available for Ph.D. or M.D. applicants for investigations concerning the initiation and regulation of blood coagulation. Studies will concentrate on the HII-Tissue Factor pathway and its major inhibitor, LACI [JBC 263: 6001 (1988)] and will involve protein purification and characterization; kinetics of protease/inhibitor interactions; production of monoclonal antibodies for clinical and histochemical studies; expression and characterization of mutant recombinant proteins; and the assessment of particular interventions in animal and cell models of thrombosis. Salary would be very competitive and commensurate with the applicant’s previous training and experience. U.S. citizenship or permanent residency status required. Send curriculum vitae and names of three references to: George J. Broze, Jr., M.D., Hematology Division, Washington University School of Medicine, The Jewish Hospital, P.O. Box 14109, St. Louis, MO 63178.

POSTDOCTORAL RESEARCH INSULIN RECEPTOR STRUCTURE/FUNCTION

HOWARD HUGHES MEDICAL INSTITUTE—DALLAS

Two newly-funded positions are available immediately to join an ongoing multidisciplinary analysis (molecular genetics, biochemistry, cell biology, biophysics) of the structure and function of the two major functional domains of the human insulin receptor. Both the extracellular ligand binding and the cytoplasmic protein tyrosine kinase domains are now overexpressed as soluble proteins in sufficient quantity for detailed biochemical and structural analysis. Applicants should submit a current curriculum vitae and three letters of recommendation to: Leland Ellis, Howard Hughes Medical Institute and Department of Biochemistry, University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75235—9050.

POSTDOCTORAL RESEARCH ASSOCIATE

position available for Ph.D. or M.D. to study the mechanisms and pharmacology of ischemic brain damage. Experience with in vivo electro-physiological recording is desirable. Salary will be commensurate with NIH postdoctoral levels. Send curriculum vitae and at least two reference names to: Dr. J. Victor Nadler, Department of Pharmacology, Duke University Medical Center, Box 3813, Durham, NC 27710. If not a U.S. citizen, please indicate visa status. Duke University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE

U.S. Department of Agriculture, Agricultural Research Service, Biological Control of Insects Research Laboratory, Columbia, Missouri BIOCHEMIST/ENTOMOLOGIST. An interdisciplinary position to develop monoclonal antibodies and ELISAs to monitor arthropod predation on corn earworm. Tasks include characterization and isolation of proteins specific to early and midle larval instars, hybridoma production, antibody characterization and purification, and development of ELISAs. Experience in isoelectric focusing, gel electrophoresis, and liquid column chromatography desired. Salary commensurate with experience ($27,716 to $43,181). For information on the research assignment contact: Dr. E. Greene, Telephone: 314-875-5361. For information on application procedure contact: Janie Carr, USDA, ARS, POB, Northern Section, MWA, Building 419, BARC-East, Beltsville, MD 20705. Telephone: 301-444-4659. Applications in response to this advertisement should be marked #8N026. ARS is an Equal Opportunity Employer. Women and minority candidates are encouraged to apply.

POSTDOCTORAL/RESEARCH ASSOCIATE

position available immediately to construct, isolate and analyze cDNA and genomic clones. Applicants should have a Ph.D. in biochemistry, molecular biology, or a related field, and experience with recombinant DNA techniques. Title and salary, over a wide range, commensurate with experience. Send curriculum vitae, statement of research experience, and names of three references to: Box 102, SCIENCE.
OPPORTUNITIES TO RESEARCH AND DEVELOP NEW, IMPROVED DIAGNOSTIC PRODUCTS

As a result of new product introductions, Fisher Diagnostics, a recognized leader in clinical controls, has several openings available for Scientists within its R&D and Technical Support groups.

SR. SCIENTIST/Technical Support - Requires Ph.D. Concentration in hemoglobin chemistry preferred. Two years product development experience in an industrial environment. Function is responsible for development and product improvement of blood gas controls.

SR. SCIENTIST/R&D Coagulation Group - Requires Ph.D. in Biochemistry (or related field) and four years industrial product development with special emphasis on protein chemistry and enzyme kinetics. A strong knowledge of coagulation biochemistry as well as hands-on experience with diverse instrumentation necessary.

SCIENTIST II/R&D Coagulation Group - Requires BS in Biological Science with 3-4 years clinical laboratory experience including proficiency in instrument operation and troubleshooting. Good working knowledge of biochemistry and enzymology highly desirable. Industrial experience a plus. Will prepare and evaluate new diagnostic reagents and controls in the area of blood coagulation.

Our laboratories are based in ORANGEBURG, NEW YORK, located on the west side of the Hudson River, within 30 minutes of New York City. Interested candidates should forward their resume which must include salary history and requirements, INDICATING AREA OF EXPERTISE, in strictest professional confidence, to: Personnel Manager, Fisher Scientific Group, Inc., Instrumentation Laboratory Division, 526 Route 303, Orangeburg, New York 10962. An equal opportunity employer m/f/h.

Fisher Scientific Company
Instrumentation Laboratory Division

CAREER OPPORTUNITIES in Quality Assurance-Research Operations

Hoechst Roussel Pharmaceuticals, Inc., a fast growing subsidiary of Fortune 100 Hoechst Celanese has immediate opportunities for creative problem solvers to join its Quality Assurance Department/ Research Operations.

MICROBIOLOGIST

The innovative microbiologist selected will validate aseptic processes and sterilizers, solve process problems, and develop microbiological methods. Strong interpersonal/communications skills are required for interfacing with subordinates and other departments.

Qualifications include BS or advanced degree in Microbiology with 5+ years experience in industrial microbiology. Thorough knowledge of aseptic manufacturing process, sterilization/GMP requirements and FDA guidelines is desirable.

MICROSCOPIST

Reporting to the Manager of Microbiology, the successful candidate will be involved in particular matter testing and identification using microscopic, chemical and automated methods. A BS degree in Biology/Chemistry or related field, along with 2-4 years laboratory experience with exposure to microscopy and automated particle size instruments is required.

ANALYTICAL CHEMIST-
PHARMACEUTICAL STABILITY

You will have responsibility for analysis, troubleshooting, and statistical evaluation of data relating to the stability of experimental and marketed drug products. BS or MS in Chemistry plus minimum of 5 years experience in analytical chemistry is required; ability to work independently solving qualitative and quantitative analytical problems through a knowledge of the theory and practice of chromatographic, spectroscopic, and classical techniques. Supervisory experience is desirable.

These positions at our modern corporate complex in a pleasant suburban setting provide a competitive salary with a comprehensive fully paid benefits package.

Please submit resume WITH salary history, to: Manager, Human Resources, Section 50, Hoechst Celanese Corporation, Route 202-206 North, Somerville, NJ 08876. An Affirmative Action Employer M/F/H/V.

Hoechst Celanese

Hoechst
POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE

Hormonal regulation of arachidonic acid metabolism. Opportunities required. Seeking to study hormonal regulation of eicosanoid (especially prostanoyl) production by adiocytes, endothelial cells, 3T3-L1 cells and cultured renal cells and derangements in diabetes. Candidates should have cell biology or endocrinology background. Send letter describing interests, curriculum vitae, and three or more references to: Dr. Lloyd Axelrod, Diabetes Unit, Massachusetts General Hospital, Boston, MA 02114.

POSTDOCTORAL/RESEARCH ASSOCIATE

position available October 1988 to study cell growth control in crustacean neurons and muscle tissue developing crustacean larvae. Experience in invertebrate endocrinology or larval development is desirable. The appointment is for 1 year with annual renewal. Send curriculum vitae and names of three references to: Dr. John A. Freeman, Department of Biology, University of South Alabama, Mobile, AL 36686. Equal Opportunity Employer, M/F.

POSTDOCTORAL RESEARCH ASSOCIATE IN MOLECULAR BIOLOGY

The named position is available for September, 1988 or later to study muscle gene expression in Drosophila. We are studying skeletal muscle differentiation in a variety of generic flies and in vitro cell-free systems. Applicants must have a Ph.D. and experience in recombinant DNA methods will be favored. Selection will be made soon. Send curriculum vitae and names of three references to: Dr. Robert Y. Storti, Department of Biochemistry, University of Illinois College of Medicine, 1853 West Polk Street, Room A-312 CMW, Chicago, IL 60612.

POSTDOCTORAL RESEARCH POSITION—funded by an NIH training grant (therefore only for American citizens). Available immediately for studies on the molecular mechanisms regulating gap junctional gene expression and regulating gap junction channel functions. Please send curriculum vitae and names of three references to: Dr. Lola Reid, Department of Molecular Pharmacology or to Dr. David Spray, Department of Neurosciences, Albert Einstein College of Medicine, 1300 Morris Park Avenue, Bronx, NY 10461. An Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL RESEARCH SCIENTIST

Postdoctoral research scientist position available starting September 1988 to study the role of eicosanoids in neurotransmitter actions in vertebrate neurons. Experience in HPLC separation of arachidonate metabolites is required and collaboration with physiologists in our laboratory is encouraged to examine the biochemical and biophysical mechanisms underlying ion channel modulation. Interested persons should send curriculum vitae and the names of three references to: Drs. Steven Siegelbaum and Lorna Role Department of Pharmacology College of Physicians and Surgeons Columbia University 630 West 168th Street New York, NY 10032 Columbia University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL TRAINING CELL-MATRIX BIOLOGY

Postdoctoral positions are available in the area of cell biology, cell-extracellular matrix interactions. Applicants should have a recent Ph.D. in cell biology or a related field. Projects include (i) effects of proteoglycans and non-natural polysaccharides on cell-based matrix membrane signalling as molecular models of atherosclerosis and diabetes, (ii) molecular mechanisms controlling matrix architecture and (iii) cell-matrix interactions. The morphology of cell culture and names and addresses of references to: Drs. David S. Birk and Peter D. Yurchenco, Department of Pathology, UMDNJ-Robert Wood Johnson Medical School, 675 Hoes Lane, Piscataway, NJ 08854-5635. An Affirmative Action/Equal Opportunity Employer. M/F/H/V.

READER (CONTINUING) IN THE SCHOOL OF BOTANY

Following the Review of the School of Botany and upon the initiation of the Professor-Elect, Dr. J. Picket-Heaps, the School seeks to appoint a SENIOR BOTA-NIST to further strengthen the teaching and research effort in systematics, taxonomy and evolution of higher plants with special reference to Australian flora. Applicants must have experience in modern approaches to systematic research and be interested in the broader aspects of plant diversity. The applicant will be expected to provide substantial leadership in the teaching and research programs of the School. A continuing appointment to commence as soon as possible after 1 January 1989.

The salary will be $50,103 per annum.

Enquiries should be directed to: Dr. P. Attewill, School of Botany, telephone: (03) 344 5066.

Closing Date: 1 July 1988.

Position Number: 606020.

Further printed information regarding details of application procedure and conditions of assessment is available from Ms. J. Poulson on (03) 344 7846. Applications, in duplicate, including names and addresses of at least three referees and quoting the relevant position number should be addressed to: The Director, Personnel Service, The University of Melbourne, Parkville, Victoria, 3052, Australia.

An Equal Opportunity Employer.

CSIRO—AUSTRALIA RESEARCH LEADER—POSTHARVEST HORTICULTURE

CSIRO Division of Horticulture is seeking a scientist with a Ph.D. or equivalent degree with experience in postharvest research on horticultural crops to lead the Division’s program in Sydney, Australia. The work is multidisciplinary and requires the integration of new technologies into commercial systems. The position is available for an indefinite period or on a contractual basis. Salary up to $59,567. Duty status and selection criteria are available from: Telephone: Australian National University (02) 7492425, Telex: AUSS8800, facsimile: (02) 7492427. Applications to: Chief, CSIRO Division of Horticulture, PO Box 350, Adelaide SA, Australia 5001 by 4 weeks from date of publication.

CSIRO is an Equal Opportunity Employer.
**Pharmacologist/Biochemist**

Procter & Gamble has 2 entry-level Ph.D. openings in the analgesic and inflammation research program at Miami Valley Laboratories, Cincinnati, Ohio. Applicants should have a Ph.D. in pharmacology, physiology, or biochemistry with 0-2 years postdoctoral experience. Experience required in neuropharmacology or inflammation including an understanding of both the in vitro and in vivo techniques used to research the mechanism(s) involved in pain transmission or inflammation. Will be responsible for both preclinical and clinical analgesic and anti-inflammatory drug research.

We offer a stimulating environment for professional growth, a competitive employment package including paid relocation. Company-paid health, dental, and profit sharing benefits.

Applicants must be U.S. citizens or permanent residents. Send resume and publication list to:

Dr. T. J. Logan
Pharmacologist/Biochemist Position
THE PROCTER & GAMBLE COMPANY
P.O. Box 398707
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Cortech, Inc. is a pharmaceutical development company working on a number of scientific projects including the use of proteases and protease inhibitors as human therapeutics, drug receptor interaction modeling and immune system suppression and stimulation. To address these broad areas, we are currently recruiting individuals in several scientific specialties.

**CELL BIOLOGIST**

This position requires at least two years of post-doctoral experience in establishing, characterizing and maintaining diverse cell lines (malignant and non-malignant) in culture. Experience in sub-cellular fractionation, light and fluorescent microscopy, protein biochemistry and molecular biology techniques will be helpful.

**MOLECULAR BIOLOGIST**

This position requires at least two years of post-doctoral experience in both cDNA and "shotgun" cloning techniques, amplification strategies and expression systems. Previous experience in cloning and expressing proteases, cell specific antigens or cell surface receptors is desirable.

**IMMUNOLOGIST**

This position requires at least two years of post-doctoral experience in cell proliferation assays, polyclonal and monoclonal antibody production, immunoaffinity purification and ELISAs. Experience in protein chemistry, immunochemistry or cell biology is highly desirable.

The successful applicants for these positions must be able to work independently in a multi-disciplinary research group in addition to leading a project team. Cortech offers a competitive salary and benefits package including opportunity for stock options. Please send C.V. to Timothy C. Rodell, M.D., Cortech, Inc. 6840 No. Broadway Suite F, Denver, Colorado 80221.

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**Scientist**

Retrovirus Studies

Genentech, Inc., a leader in the field of biotechnology, is currently seeking an individual to participate in state-of-the-art research on endogenous and exogenous retroviruses of mammalian cell lines.

The successful candidate will have a Ph.D. and postdoctoral research in the molecular biology of retroviruses with experience in recombinant DNA techniques.

Genentech, Inc. offers an excellent salary and benefits package coupled with the opportunity to make a significant contribution to our organization. For consideration, please send your resume to: Joyce Goulden, Human Resources Department 1464, Genentech, Inc., 460 Point San Bruno Blvd., South San Francisco, CA 94080. An equal opportunity employer.
RESEARCH OPPORTUNITIES at the National Center for Toxicology Research (NCTR) — Opportunities for faculty and postgraduates to conduct collaborative research at NCTR, a Food and Drug Administration laboratory. Research opportunities include testing the assumption used in assessing risks posed by toxic chemicals emphasizing studies in biomarkers, modulators of toxicity, and extrapolation/risk assessment. U.S. citizenship or PR status required. For more information contact: ORAU Research Program at NCTR, University Programs Division, Oak Ridge Associated Universities, P.O. Box 117, Oak Ridge, TN 37831-0117. Telephone: 615-576-3190. Please indicate if interested in faculty or postgraduate program.

A RESEARCH POSITION in mouse early embryology is available in NEIHES-supported research. A highly motivated Ph.D. with a background in mutagenic response of mouse oocytes and zygotes is needed by 1 September 1988. The project requires the use of cytogenetic, biochemical, and egg-transfer techniques, oral presentations, and manuscript preparation. Send résumé to: W. M. Generoso c/o University of Tennessee Biomedical Graduate School, Oak Ridge National Laboratory, P.O. Box 209, Oak Ridge, TN 37831-8077. An Equal Opportunity/Affirmative Action Employer.

STAFF SCIENTIST
Ph.D. in tumor cell biology or pathology with experience in human solid tumors (cultures, lines, cell separation, lymphoid outgrowth) needed for cancer research company in Memphis, Tennessee. Two to 3 years of postdoctoral experience required, and ability to work closely with people in a clinical R/D setting.
Send curriculum vitae and salary requirement to:
Personnel Department
Biotherapeutics Inc.
P.O. Box 1676
Franklin, TN 37065-1676

The University of Alabama at Birmingham—Applications are invited for a TENURE-TRACK POSITION in the Division of Pathology and Medicine. Candidates must have an M.D. or Ph.D. Degree, experience in immunocytochemistry, and an established research program in lymphocyte biology. Academic rank and salary are commensurate to the candidate's qualifications. The successful candidate will be expected to direct a service laboratory in immunocytochemistry, develop an investigative program, and participate in the Departmental teaching programs. Applicants should send curriculum vitae and names of references to: Dr. Max D. Cooper, University of Alabama at Birmingham, UAB Station, Birmingham, AL 35294. The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer. Applications from women and members of minority groups are encouraged. Deadline for submission of applications: 1 September 1988.

THEORETICAL NEUROBIOLOGY
The Neurosciences Institute (NSI) invites applications for postdoctoral positions as NSI FELLOWS in Theoretical Neurobiology. The NSI supports an inhouse research program dedicated to developing experimentally testable theoretical models of neural systems. Current models include simulations of physiological effects on neural response with dendritic models, the design of network automata, and analysis of visual systems. Advanced supercomputer facilities are available.
Institute Fellows are appointed for 2 years with the possibility of renewal, and receive stipends that depend on qualifications. Applicants should be in the postdoctoral or assistant professor level, and must have a background in experimental or theoretical neuroscience or related fields.
The NSI is an independent organization located on the campus of The Rockefeller University in New York City. The NSI serves as the home of the Neurosciences Research Program at the Rockefeller University and as an International Center of Study and Research for distinguished visiting neuroscientists. Fellows have opportunities to use the Institute's extensive facilities and resources with visiting scientists. Applicants should send a short statement of research interests, curriculum vitae, and the names of three references to: Dr. W. Elmar Gall, Research Director, The Neurosciences Institute, 1230 York Avenue, New York, NY 10021.

RESEARCH AWARDS
The International Life Sciences Institute Research Foundation (ILSI Research Foundation) announces that two awards for basic research projects in toxicology and nutrition, each of $100,000 over 3 years, will be made in 1989. The purpose of the awards is to encourage innovative, young investigators in basic medical sciences to apply modern knowledge and techniques to basic problems related to comparative toxicology or specific nutritional effects on growth and development. The closing date for applications is 15 October 1988. For further information, write: ILSI Research Foundation, 1126 16th Street, NW, Suite 300, Washington, DC 20036.

PROSPECTIVE POSTDOCTORAL FELLOWSHIP available immediately for molecular virologist/biologist to develop and use sensitive and specific nucleic acid probes to detect viruses in embryonic cells. Salary about $29,000 Canadian. Send curriculum vitae and references to: Dr. W. C. D. Hare, Animal Diseases Research Institute, Box 11300, Station "H", Nepean, Ontario K2J 8P9 Canada

PRINCETON SCIENCE CENTER, RESEARCH OPPORTUNITIES

POSTDOCTORAL POSITION
The Centre for Rainforest Studies of The School for Field Studies seeks broadly trained scientists who excel at university teaching, group leadership, and field research in ecology, animal behavior, natural resource management, or cultural anthropology. Duties: undergraduate education (field and classroom) and development of field research programs with student participation. Ph.D. and relevant rainforest experience are required. Two permanent appointments available as early as September 1988.
The Centre is located in the Australian tropics of northern Queensland. Send applications, in duplicate, to: Dr. Mark Noble, Centre for Rainforest Studies, SFS, Millas Millas, Queensland 4886, Australia. An Equal Opportunity Employer.

TUMOR BIOLOGY
The Department of Pathology, Henry Ford Hospital invites applications for the position of DIRECTOR of the Tumor Biology Laboratory. The major focus of the laboratory is tumor invasion and metastasis, both at the clinical and basic science level. Individuals with molecular and tumor biology experience will be encouraged to seek tenure-track positions as early as September 1988.
The Centre is located in the Australian tropics of northern Queensland. Send applications, in duplicate, to: Dr. Mark Noble, Centre for Rainforest Studies, SFS, Millas Millas, Queensland 4886, Australia. An Equal Opportunity Employer.

Research Associates
The Erna and Jakob Michael Visiting Professorships 1989 to 1990
The Joseph Meyerhoff Visiting Professorships 1989 to 1990
The Rosie and Max Varon Visiting Professorships 1989 to 1990

The Weizmann Institute of Science, Rehovot, Israel offers a limited number of VISITING PROFESSORSHIPS in the natural and exact sciences. The Visiting Professorships are intended for candidates already holding the rank of full professor or equivalent and will be for a duration of 2 months to 1 year. Deadline for submission of completed applications is 30 November 1988. For further information or application forms, please contact the: Academic Secretary, The Weizmann Institute of Science, Rehovot 76100, Israel. Telex-972-8-381300; FAX-972-8-460696; Bittner-REJMAR@ WEIZMANN.

AWARDS

RESEARCH AWARDS
The American Health Assistance Foundation is accepting 1-year GRANT applications for Alzheimer's disease research with a maximum of $100,000 renewable. Deadline: 30 October 1988. For further information, please write to:
The American Health Assistance Foundation
Alice E. Massa
15825 Shady Grove Road, Suite 140
Rockville, MD 20850

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FELLOWSHIPS

PERSONNEL FELLOWSHIPS

POSTDOCTORAL POSITION

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