Personnel Placement

**SCIENCE** publishes each Friday, except the last Friday of the year. Advertising is accepted only in writing; no abbreviations. No change of address is accepted for ads less than 4 months in advance. Prepayment is required for all foreign ads. Purchase orders and/or cover letter including billing address are required for all other advertising.

**LINE CLASSIFIED ADVERTISING DEADLINES:**

Tuesday, 2 weeks prior to issue date (mailed on issue date)

**POSITIONS WANTED:**

40¢ per word, plus $4 for use of box number, per week; $10 minimum, per week. Prepayment required. This rate is available only to individuals seeking jobs.

**LINE CLASSIFIED (OPEN POSITIONS, COURSES, MARKETPLACE, and so forth)**

$35.00 per line, $350 minimum. per week (minimum charge covers one inch on a single column; one inch equals 10 lines of 52 characters and spaces per line). No charge for use of box number. No agency commission for ads less than 4 inches. No cash discount. Prepayment required for all foreign ads. Purchase orders and/or cover letter including billing address are required for all other advertising.

Structure ad copy on a separate page, on lines of 52 characters and spaces. Include any desired heading. Each line of heading and/or extra lines, and all partial lines are counted as full lines. To calculate cost, multiply total lines by $4/line.

Send copy for all Positions Wanted ads and Line Classified ads less than 1/6 page in size (39 lines) to:

**SCIENCE Classified Advertising**

1333 H Street, NW, Room 940
Washington, DC 20005
Phone: 202-328-6655

Send copy for Fractional Display ads, 1/6 page and larger, and all other display ads to:

Scherago Associates, Inc.
515 Broadway
New York, NY 10012

(212) 730-1050

Bind ad replies should be addressed as follows:

Box (give number)

**POSITIONS OPEN**

**ANATOMIST**

The Department of Anatomy seeks an individual to teach gross anatomy to medical, dental, and graduate students. Candidates should have 3 years of postdoctoral experience and have an active research program. An appointment can be made at the level of either assistant or associate professor. At the earliest the position could commence on 1 July 1987. Send applications, accompanied by a letter of interest, and names of three referees, by 1 March 1987 to: Dr. Alan Peters, Chairman, Department of Anatomy, Boston University School of Medicine, 80 East Concord Street, Boston, MA 02118. An Equal Opportunity Employer.

The DEPARTMENT OF ANATOMY, THOMAS JEFFERSON UNIVERSITY, is seeking applications for a tenure-track position as an ASSISTANT PROFESSOR. Applicants should have postdoctoral training and a demonstrable ability to design and implement research programs that utilize cellular and/or molecular biological techniques in the analysis of developmental mechanisms. Candidates may participate in an NIH-funded pre- and postdoctoral training program in developmental biology/teratology. Candidates will be expected to have or acquire expertise in teaching human gross anatomy to permit their use in our team-taught course for freshmen medical students. Send curriculum vitae, statement of research plans and objectives, and three letters of reference to: Dr. Robert M. Greene, Search Committee Chairman, Department of Anatomy, Thomas Jefferson University, 2010 Locust Street, Philadelphia, PA 19107. Thomas Jefferson University is an Affirmative Action/Equal Opportunity Employer.

**HIRAM COLLEGE**

ASSISTANT PROFESSOR OF BIOLOGY

The Biology Department at Hiram College invites applications for a full-time tenure-track position effective September 1987. A Ph.D. is required. Teaching responsibilities include courses in plant biology, immunology and microbiology. Participation in the general biology sequence and advanced molecular biology is an expectation. A strong bent toward research is desirable. Additional responsibilities include advising and counseling majors. Salary is competitive. A letter describing your scientific background, and three letters of reference to: William Laugher, Chair, Biology Department, Hiram College, Hiram, OH 44234 by 1 March 1987. Equal Opportunity/Affirmative Action Employer.

**GROSS ANATOMIST**

Ph.D. with 15 years of graduate teaching experience seeks a 9-month, teaching only, position. Box 13, SCIENCE

**IMMUNOPATHOLOGIST/ ELECTRON MICROSCOPIST**

Ph.D., seeks position in biomedical company or core/research laboratory in immunology, DNA hybridization, histocompatibility, pathology or microscopy as director or administrator, 10 years of experience in administrative management/methodology. Box 2, SCIENCE

**RADIOCHEMIST**

Ph.D. Highly competent with strong background in molecular biology, radioisotope methodology. Seeks position in research and development of radiopharmaceutical and animal models in areas of cell labeling and MoAb. Interested in collaborating in academic and industrial research. Box 14, SCIENCE

**TECHNICAL WRITER**

Ph.D. Twenty years of experience in research and writing for scientific publications, journals, and popular markets. Credits include fifteen books in three languages and articles in varied scientific and academic journals. Seeks freelance projects of all kinds, including manuals, software documentation, development, preparation of library research, manuscript critiques and editing, ghostwriting, lectures, and speeches. Box 214, SCIENCE

**POSSESSIONS WANTED**

**STRAND THERAPEUTICS**

Postdoctoral position in a growing biotechnology company. Experience in protein purification, characterization, and crystallization. Send resume to: Dr. Carol A. Ballestrem, President, Strand Therapeutics, 2214 5th Avenue, Seattle, WA 98121.
The DEPARTMENT OF BIOCHEMICAL PHARMACOLOGY seeks applications at the Assistant Professor level with a special emphasis in MOLECULAR PHARMACOLOGY. Departmental research strengths are in CNS and cardiovascular pharmacology. In addition to teaching, a special emphasis exists that the department maintains with the School of Medicine. Strong collaborations exist with the neighboring Department of Chemistry, Cell Biology, and Medicinal Chemistry, affording research support in the areas of magnetic resonance, fluorescence spectroscopy, X-ray crystallography, and molecular graphics. Applications with research interests in these areas or complementarity of research are invited. Including a letter of intent, curriculum vitae, a brief statement of research interests, and the names of three references should be sent to: Vijay C. Swamy, Department of Biochemical Pharmacology, School of Pharmacy, Faculty of Health Sciences, 213 Hochstetter Hall, State University of New York at Buffalo, Buffalo, NY 14260. This advertisement represents a renewed search for the position advertised in this journal in 1986. Applications should be submitted by March 15, 1987.

ERINDALE CAMPUS, UNIVERSITY OF TORONTO
for the position of ASSISTANT PROFESSOR OF CHEMISTRY (tenure track), to be effective 1 July 1987. Subject to budgetary approval and salary negotiations, the successful candidate will be expected to teach both the undergraduate and graduate level and to conduct an innovative research program at the Erindale Campus, in an area of chemical interest such as biological organic chemistry, bioinorganic chemistry, protein structure and function, or nucleic acid chemistry. Applications, consisting of curriculum vitae, an outline of the proposed research, and the names and addresses of three referees, should be sent by 6 March 1987 to: Professor S. G. Williams, Chairman, Department of Chemistry, University of Toronto, Toronto, Ontario, MSS 1A1 Canada. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada. The University of Toronto encourages both women and men to apply.

ASSISTANT PROFESSOR OF PHARMACOLOGY
The Department of Pharmacology, University of California, Los Angeles, invites applications for a tenure-track position as Assistant Professor of Pharmacology. Applicants should have a Ph.D. and an active research program with interests in molecular neuropharmacology. Salary range $34,000 to $48,800. Applications or nominations should be sent to: Chairman, Neuropharmacology Search Committee, Department of Pharmacology, University of California, Health Sciences Center, University of California, Los Angeles, CA 90024. All applications and inquiries will be treated in strict confidence. The University of California is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR
PLANT MOLICULAR BIOLOGY
The Program in Biology of Transylvania University invites applications for a tenure-track assistant professorship, effective September 1987. Primary responsibilities include undergraduate teaching of plant biology, molecular biology, and research at the college-level teaching experience desired. Send letter of application and curriculum vitae to: Dr. Rodney Hays, Program in Biology, Transylvania University, Lexington, KY 40508. An Equal Opportunity Employer.

ASSISTANT-ASSOCIATE PROFESSOR
Applications are invited from cellular or molecular biologists for teaching positions in the area of molecular biology. The position is open; preference for candidates interested in cranial neural systems. Send curriculum vitae and a statement of research interests to: Dr. D. Wilson, Department of Anatomy and Physiology, State University of New York at Stony Brook, Stony Brook, NY 11794. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR IN RESIDENCE: Department of Anatomy at the University of California, San Francisco, invites applications for a tenure-track position of Assistant Professor In Residence. The successful candidate must have a Ph.D. degree (or equivalent) and a strong record of research in molecular neuroanatomy and neuropharmacology, including studies in intracellularly labeled somatosensory neurons, light and electron microscopic immunocytochemistry, and contemporary methods in electron microscopy. It is essential that the candidate have significant experience in teaching mammalian neuroanatomy. Finally, applicants should have evidence of obtaining support for their research program. Duties of the position include: teaching graduate professional and graduate academic instruction. Applicants will be invited to submit curriculum vitae and representative publications and have three letters of recommendation sent to: Dr. Jennifer LaVail, Chairman, Neuroscientist Search Committee, University of California at San Francisco, 94143. Applications received before 6 March 1987 will be considered. The University of California is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR: WEED SCIENCE/PLANT PHYSIOLOGY. Tenure-track position in basic research in weed science with major emphasis on effects of herbicides on physiological and growth processes of desired and non-desired species. Responsibilities include teaching principles of weed science, assisting in research and extension efforts, and publishing scholarly articles. The position requires a Ph.D. in weed science or plant physiology with strong background in both areas. Submit curriculum vitae, transcripts, list of publications, and three letters of recommendation without reference to: Dr. Robert Ekblad, Professor, Department of Crop and Soil Sciences, University of Washington, Seattle, WA 98195. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT OR ASSOCIATE PROFESSOR OF SURGERY—TENURE-TRACK UNIVERSITY OF CALIFORNIA, SAN DIEGO. The Department of Surgery is seeking candidates for a faculty position at the assistant or associate professor level in cancer biology and colorectal cancer research. The incumbent will design and supervise research experiments aimed at understanding the molecular and cellular mechanisms of colorectal cancer. The successful candidate will be expected to teach both the undergraduate and graduate level in this area. The University of California is an Equal Opportunity/Affirmative Action Employer.

BRIIGHAM YOUNG UNIVERSITY (BYU)
ASSISTANT OR ASSOCIATE PROFESSOR OF ZOOLOGY
MOLECULAR ECOLOGY, MOLECULAR CELLULAR BIOLOGY, BIOLOGY, OR MOLECULAR BIOLOGY
A tenure-track position in teaching and research is available fall 1987. This position requires a Ph.D. degree in Biology or closely related area. Preference will be given to applicants who have demonstrated the ability to develop a productive research program. Salary range is $29,000 to $35,000. Send letter of application, curriculum vitae, copies of transcripts and list of references to: Dr. James L. Farmer, Department of Zoology, 591 WIDB, Brigham Young University, Provo, UT 84662. An Equal Opportunity/Affirmative Action Employer.

ASSOCIATE DIRECTOR, BLOOD BANK. The Division of Laboratory Medicine at the North Carolina Cancer Hospital, in collaboration with the Director of the Blood Bank, will select an Assistant Professor to serve as Associate Director and tenured faculty member. Candidates must be physicians who are certified by the American Board of Pathology in Blood Banking or who will be eligible for certification by the time of employment. This position also carries an appointment in the Department of Pathology and Laboratory Medicine at the University of North Carolina at Chapel Hill. Applications are invited from qualified candidates. Please submit curriculum vitae, names of three references, and a brief description of experience and future plans, to: Myra L. Collins, M.D., Chairman, Division of Laboratory Medicine, Room 1106, North Carolina Memorial Hospital (NCH), Chapel Hill, NC 27514. University of North Carolina—NCCH is an Equal Opportunity/Affirmative Action Employer.

PHARMACOLOGY
ASSISTANT PROFESSOR: WEED SCIENCE/PLANT PHYSIOLOGY. Tenure-track position in basic research in weed science with major emphasis on effects of herbicides on physiological and growth processes of desired and non-desired species. Responsibilities include teaching principles of weed science, assisting in research and extension efforts, and publishing scholarly articles. The position requires a Ph.D. in weed science or plant physiology with strong background in both areas. Submit curriculum vitae, transcripts, list of publications, and three letters of recommendation without reference to: Dr. Robert Ekblad, Professor, Department of Crop and Soil Sciences, University of Washington, Seattle, WA 98195. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT OR ASSOCIATE PROFESSOR OF SURGERY—TENURE-TRACK UNIVERSITY OF CALIFORNIA, SAN DIEGO. The Department of Surgery is seeking candidates for a faculty position at the assistant or associate professor level in cancer biology and colorectal cancer research. The incumbent will design and supervise research experiments aimed at understanding the molecular and cellular mechanisms of colorectal cancer. The successful candidate will be expected to teach both the undergraduate and graduate level in this area. The University of California is an Equal Opportunity/Affirmative Action Employer.

BIOCHEMIST VISITING ASSISTANT PROFESSOR (Advanced Rank possible in exceptional cases)
Applicants with backgrounds in biochemistry, development, and cellular biology are desired. Teaching responsibilities include courses in developmental biology and molecular biology. Applicants are asked to visit UC campuses in order to interview for the opening position which requires a Ph.D. degree. Postdoctoral experience is desirable. The position is available 1 July 1987 and will begin in the fall. Salary is commensurate with qualifications and experience. Submit a curriculum vitae, bibliography and letters of reference to: Professor Henry W. Art, Chairman, Biochemistry Search Committee, Williams College, Williamstown, MA 01267 by March 1987. We will start the evaluation of potential candidates immediately.

BIOGEOCHEMIST/BIOMETRICAL CHEMIST—Tenure-track position beginning 1 September 1987 at assistant or associate professor level, Ph.D. required. Postdoctoral and/or teaching experience preferred. The individual will help develop a funded research program associated with the university's developing marine sciences program. Teaching duties in the area of experimental general chemistry and an introductory course to undergraduate and M.S. level research. Send current curriculum vitae including statement of research and teaching interests, representative publications, graduate and undergraduate transcripts, statement of possibilities for the submission of three letters of reference: to: Dr. Alan Bates, Chemistry Department, Southeastern Massachusetts University, UMass, North Dartmouth, MA 02747.

BIOCHEMIST/ORGANIC CHEMIST FACULTY POSITION, full time, tenure track, will be available in September 1987. Applicants for assistant professor level starting in September 1987. Ph.D. in chemistry required; prior college teaching required. Candidate must be competent to teach undergraduate courses in biochemistry, qualitative organic analysis and be competent in the use of traditional chemical instrumentation. Excellence in teaching and enthusiasm for undergraduate instruction is of primary importance. Lock Haven University has an enrollment of over 2600 students, and is one of 14 state universities. Rank and salary commensurate with qualifications and experience. Submit letter of application, curriculum vitae, copies of transcripts and the names, addresses, and telephone numbers of at least three professional references to: Dr. Ralph Shaner, Department of Chemistry, Lock Haven University, Lock Haven, PA 17745, by 20 March 1987. Lock Haven University is an Equal Opportunity/Affirmative Action Title IX Employer.

LOCK HAVEN UNIVERSITY

LOG HAVEN UNIVERSITY

LOCK HAVEN, PA 17745

BIOCHEMIST/ORGANIC CHEMIST FACULTY POSITION, full time, tenure track, will be available in September 1987. Ph.D. in chemistry required; prior college teaching required. Candidate must be competent to teach undergraduate courses in biochemistry, qualitative organic analysis and be competent in the use of traditional chemical instrumentation. Excellence in teaching and enthusiasm for undergraduate instruction is of primary importance. Lock Haven University has an enrollment of over 2600 students, and is one of 14 state universities. Rank and salary commensurate with qualifications and experience. Submit letter of application, curriculum vitae, copies of transcripts and the names, addresses, and telephone numbers of at least three professional references to: Dr. Ralph Shaner, Department of Chemistry, Lock Haven University, Lock Haven, PA 17745, by 20 March 1987. Lock Haven University is an Equal Opportunity/Affirmative Action Title IX Employer.

LOCK HAVEN UNIVERSITY

LOCK HAVEN, PA 17745

BIOCHEMIST/ORGANIC CHEMIST FACULTY POSITION, full time, tenure track, will be available in September 1987. Ph.D. in chemistry required; prior college teaching required. Candidate must be competent to teach undergraduate courses in biochemistry, qualitative organic analysis and be competent in the use of traditional chemical instrumentation. Excellence in teaching and enthusiasm for undergraduate instruction is of primary importance. Lock Haven University has an enrollment of over 2600 students, and is one of 14 state universities. Rank and salary commensurate with qualifications and experience. Submit letter of application, curriculum vitae, copies of transcripts and the names, addresses, and telephone numbers of at least three professional references to: Dr. Ralph Shaner, Department of Chemistry, Lock Haven University, Lock Haven, PA 17745, by 20 March 1987. Lock Haven University is an Equal Opportunity/Affirmative Action Title IX Employer.
POSITIONS OPEN

BIOCHEMISTRY—MOLECULAR BIOLOGY

The Program in Biochemistry at Mount Holyoke College is seeking a BIOCHEMIST/MOLECULAR BIOLOGIST for a temporary position at the assistant professor level during the academic year 1987–88. Teaching responsibilities will be in the areas of introductory biochemistry and possibly molecular biology. Applicants should have a Ph.D. degree and research interests that utilize recombinant DNA technology in a way that can involve undergraduates. Please send curriculum vitae, a statement of research plans, transcripts, reprints of key publications, and arrange for three letters of recommendation to be sent to: Dr. Jerry A. Knight, Professor of Biochemistry, Mount Holyoke College, South Hadley, MA 01075. Deadline for applications is 1 March 1987. Mount Holyoke College is an Equal Opportunity/Affirmative Action Employer and we especially encourage applications from women and minority candidates.

BIOMEDICAL TECHNICIAN—Performing molecular biology experiments including Southern blot analysis. B.A. or M.A. in biology. Knowledge and experience in molecular biology techniques. Send current curriculum vitae to: Jo Lewis, Cedar-Sinal Medical Center, 8700 Beverly Boulevard Building, Los Angeles, CA 90048. Telephone: 213-855-5504.

BIOTECHNOLOGY

Applications are invited immediately for a tenure-track position at the rank of assistant professor beginning 1 July 1987. Applicants are evaluated on the basis of their potential to contribute to at least one aspect of molecular biology and 2 years of postdoctoral experience. Preference will be given to those with a background in applied biotechnology. The successful candidate will be expected to undertake research and teach courses in our new biotechnology program. In accordance with Canadian Immigration requirements, priority will be given to qualified Canadian citizens and permanent residents of Canada. The University of Windsor offers Equal Opportunity for Employment to qualified female and male candidates. The deadline for receipt of applications will be 15 May 1987 or until a suitable applicant is appointed. Send curriculum vitae, statement of research goals and interests, research/research reprints and three letters of reference to: Dr. H. B. Fackrell, Department of Biological Sciences, University of Windsor, Windsor, Ontario. N9B 3P4.

CARTILAGE/IMMUNOLOGY/BIOCHEMISTRY

Ph.D., preferably with relevant postdoctoral experience, for RESEARCH ASSOCIATE laboratory position at Case Western Reserve University studying cartilage immunology, biochemistry in osteoarthritics in humans and in animal models. Experience in one or more areas including monoclonal antibodies, cell culture, immunocytochemistry, and ELIS As (ELISA, RIA) preferred. Some or all U.S. training. Associate will supervise and contribute to ongoing cartilage research. Send curriculum vitae, list of publications and names of three references to: Roland W. Moskowitz, M.D., 2073 Abington Road, Cleveland, OH 44106. An Equal Opportunity Employer.

CELL/MOLECULAR PHYSIOLOGIST

Applications are invited for a tenure-track position in the Department of Physiology of the Ohio State University College of Medicine. An individual or team with an established investigative program in cellular physiology of smooth or striated muscle is preferred, but full consideration will be given to cellular/molecular research in neural tissues. Emphasis could be on, but is not restricted to, contractile proteins, Ca2+ homeostasis, real-time imaging, ligand-gated channels, signal transduction, or gene expression. Appointment will be at a rank consistent with qualifications and experience. A Ph.D., M.D., or equivalent is required together with substantial research experience. The successful candidate will have a 20 full-time faculty with multidisciplinary interactions in cell and molecular biology, biotechnology, neuroscience, and electron microscopy. Candidates are invited to send curriculum vitae, a brief description of research programs in the College and University. Applicants should send by 1 March 1987 a brief description of present research interests, curriculum vitae, and a complete record of scientific activities to: J. D. Wood, Ph.D., Department of Physiology, 4196 Graves Hall, 333 West 10 Avenue, Columbus, OH 43210. The Ohio State University is an Equal Opportunity/Affirmative Action Employer.

CHAIR AND PROFESSOR OF ZOOLOGY

The Department of Zoology of Southern Illinois University at Carbondale invites applications for a 12-month term position as Chair or Professor of Zoology with at least one year of experience. The successful candidate will have demonstrated ability to lead in research and teaching and who possesses a strong commitment to program collegiality, and a team approach to teaching. The successful candidate will be expected to teach at least one course per year. Preference will be given to persons who have a specialty area that integrates well with existing department programs. A doctoral degree in zoology or a closely related discipline is required. Applicants must hold the rank of professor or possess the credentials for appointment at that rank. Salary will be commensurate with rank and experience. The Department presently has 20 full-time and 3 cross-appointed faculty; approximately 70 graduate students; 165 zoology undergraduate majors, and supervises interdisciplinary programs in which zoology participates. Areas of specialty in the Department include: fisheries/wildlife biology, vertebrate and invertebrate ecology and systematics, animal behavior, anatomy/morphology, and development biology and genetics. The position starts 16 August 1987 and will remain open until filled. Send a letter of application, résumé of experience, transcripts of academic work, and at least three letters of reference by 15 March 1987 to: Dr. Alan Wood, Chairman of Search Committee, Zoology, Southern Illinois University at Carbondale (SIUC), IL 62901. SIUC is an Equal Opportunity/Affirmative Action Employer. Women and minorities are urged to apply.

CHAIRMAN

DEPARTMENT OF PHYSIOLOGY

The Medical College of Ohio, a free-standing state-supported medical college in an academic setting, invites applications for appointments and nominations for the position of Chairman of the Department of Physiology. The nominees should have a distinguished record of accomplishments in biomedical research, and appropriate experience in medical and graduate education. The successful candidate will be an active member of the medical school's faculty, provide leadership in the development of new programs in molecular and cellular physiology. Nominations and applications should be received no later than 15 March 1987, and should direct all correspondence to: Ph.D., Dr. Chairman, Search Committee for Physiology Chairman, Department of Pharmacology, Medical College of Ohio, Toledo, OH 43609. Equal Opportunity Employer.

CHAIRPERSON

Applications are invited for PROFESSOR AND CHAIRPERSON, Department of Applied Ecology, University of Delaware. We seek candidates who will continue superior achievement in research and who demonstrate commitment to quality undergraduate and graduate teaching. The Department of Ecology invites applications for a Ph.D. program to augment a strong M.S. program. Research specialty is open but should complement the faculty strengths: animal behavior, population biology, disease and genetics. Applicants should be committed to academic excellence, the University of Delaware is a mid-sized, comprehensive land grant institution with connections to major museum, USDA, and industrial research facilities. The position is available 1 July 1987; screening will begin 1 March 1987. The search will continue until the position is filled. Send résumé and addresses, and telephone numbers of four referees to: Chairperson, Search Committee, Department of Entomology and Applied Ecology, University of Delaware, Newark, DE 19713–1303. The University of Delaware is an Equal Opportunity/Affirmative Action Employer. Women and minorities are urged to apply.

CHIEF OF DIVISION OF ANATOMICAL PATHOLOGY—PEDIATRIC PATHOLOGIST

Immediately opening. Children's Memorial Hospital, a tertiary care major teaching hospital affiliated to Northwestern University is seeking a chief in the Division of Clinical Pathology. The candidate is required to be Board Certified in anatomical pathology/clinical pathology or clinical pathology. Administrative, clinical, teaching and research responsibilities, and qualified for Northwestern University faculty position at associate professor or professor level. Salary is negotiable and competitive. Send curriculum vitae, bibliography, and names of three references to: F. Gonzalez-Cristi, M.D., Chairman, Search Committee, Children's Memorial Hospital, 2300 Children's Plaza, Chicago, IL 60614. An Equal Opportunity Employer.

CONSULTANT IN TOXICOLOGY

Full-time position for scientist broadly trained in toxicology, as Laboratory Director. Salary negotiable, and dependent upon degree and experience. Applicants must be strongly committed to the delivery of high quality professional services for the interpretation of the toxicology data. Responsibilities will include, but not be limited to, general toxicological analysis, development of standardized protocols, computer utilization, and the writing of technical reports. Applicants must be capable of working well with people and the results of their work must be of such quality that the data generated are consistent with the needs of the laboratory. Competitive salaries and benefits. Send curriculum vitae and references to: Dr. Laura C. Green, Meta Systems Inc., 10 Holworthy Street, Cambridge, MA 02138. An Equal Opportunity Employer.
**POST DOCTORAL POSITION—MOLECULAR BIOLOGY**

**NATIONAL INSTITUTES OF ALLERGY AND INFECTIOUS DISEASES**

**NATIONAL INSTITUTES OF HEALTH**

**PUBLIC HEALTH SERVICE**

Ph.D. or M.D. Must have training in molecular biology with experience in recombinant DNA technology, DNA sequencing, expression vectors for application to molecular parasitology. Previous experience in parasitology not a prerequisite. Must be U.S. citizen. Please send curriculum vitae and names of three references to Dr. Eric A. Ottosen, National Institutes of Health, Laboratory of Parasitic Diseases, Bldg. 5, Room 112, Bethesda, Maryland 20892.

An Equal Opportunity Employer

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**MANAGEMENT, TECHNICAL CONTRIBUTORS**

Oread Laboratories, Inc. is currently in the process of assembling its managerial and technical team. Applicants with experience and in-depth familiarity with the operation of bioanalytical laboratories are sought with opportunity for equity participation for qualifying individuals.

The organization is conceived as the commercializing arm of the Center for Bioanalytical Research at the University of Kansas. The Center and Oread extend the state of the art in bioanalysis.

Those interested please write to:

Sara Schiappi
Oread Laboratories, Inc.
2065 Constant Avenue
Lawrence, KS 66046

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**FACULTY POSITION IN PHARMACOLOGY**

**ST. JOHN'S UNIVERSITY**

**COLLEGE OF PHARMACY AND ALLIED HEALTH PROFESSIONS**

Applications are invited for a tenure-track position at the assistant professor level in the area of pharmacology. Rank and salary are commensurate with the applicant's qualifications and experience. This position is for the academic year with the opportunity for summer employment.

Persons applying should possess a Ph.D. in pharmacology or a related field. An undergraduate degree from an accredited college of pharmacy is desirable. Primary responsibilities include teaching undergraduate and graduate courses in pharmacology and directing an active research program in an area of specialization.

Applicants should provide an updated curriculum vitae including teaching and research interests and a list of three references. Applications should be sent to Dr. Amrit L. Kapoor, Chairman, Department of Pharmaceutical Sciences, College of Pharmacy and Allied Health Professions, St. John's University, Jamaica, NY 11439.

Equal Opportunity Employer (M/F)

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**Research Immunologist**

A PhD level position is available within our Medical Products Department. This is an excellent opportunity for scientific and career development with a leader in drug research. You will conduct independent research programs in cellular immunology directed at improving the efficiency of selecting and producing clinically useful monoclonal antibodies. To qualify you should have a technical background in cellular immunology and experience in cellular analysis and flow cytometry with a doctorate degree in Immunology, Microbiology or Biochemistry.

You'll find a highly stimulating scientific environment in a modern research facility located near Wilmington, DE. We offer excellent compensation and benefits including relocation. Our Mid-Atlantic location offers an attractive lifestyle with easy access to a wide range of academic, cultural and recreational activities. Interested candidates should send their resumes with salary requirements and references to: K.L. Mays, Employee Relations Department, Room X50602, Du Pont Company, Wilmington, DE 19898.

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**SENIOR RESEARCH BIOCHEMIST**

We have an immediate need for a Senior Research Biochemist to become part of our Innovative Tumor Biology Department. The applicant will have an opportunity to do fundamental research in the area of cell surface glycoproteins and tumor metastases. The applicant should have a PhD in biological sciences with 1 or 2 years of post doctoral experience in biochemistry and enzymology. Research experience in tumor metastases is a plus. The ability of the applicant to work independently as demonstrated by publication record and to work well as part of a group is essential.

Merrell Dow Research Institute is a subsidiary of Dow Chemical located in suburban Cincinnati. We offer excellent compensation, comprehensive benefits and relocation assistance. If you are interested in fundamental research and would like to work for a rapidly growing research institute, send your curriculum vitae with names of three references to:

Merrell Dow

Personnel Services Manager
(Refer to Job Code SPS)

**MERRELL DOW RESEARCH INSTITUTE**

2110 East Galbraith Road
Cincinnati, OH 45215

U.S. Citizenship or Permanent VISA Required

Equal Opportunity Employer M/F/H/V
The Roswell Park Memorial Institute is seeking a Chief of Medicine who will have responsibilities for the direction and administration of existing sections of specialties in oncology and related professional and technical support services. The candidate must be Board-certified in internal medicine and have strong qualifications as an established research investigator in oncology. The qualifications are expected to include: chemical analysis of controlled substances, toxicological analysis of body fluids; serological and arson examinations in records; M.S. in forensic science; membership in American Academy of Forensic Scientist and/or Forensic Science Society; judiciously and consistently国度 40-hour week, 1500/month. Send resume to: Andrew A. Gage, M.D., Associate Institute Director for Clinical Affairs, Roswell Park Memorial Institute, 666 Elm Street, Buffalo, NY 14263. An Affirmative Action Equal Opportunity Employer, M/F.

CLINICAL MICROBIOLOGIST—FACULTY POSITION—MEDICAL TECHNOLOGY PROGRAM—University-based 2+2 Medical Technology Program is now accepting applications for an ASSISTANT PROFESSOR, 9-month, tenure-track position. Minimum required: Ne. Master's degree, but a Ph.D. is preferred, minimum of 3 years of clinical and/or teaching experience, and national professional certification. Duties: During the academic year, the candidate will be responsible for the development and implementation of lecture and laboratory courses in clinical microbiology. Others include: teaching responsibilities, counseling, advising, and student research. The candidate must be eligible for membership in the American Society for Clinical Pathology. The successful candidate will be expected to maintain an active research program in his/her area of expertise. Available: 1 September 1987. Contact: Submit nominations and applications including a full current vitae with copies of publications and three letters of evaluation (sent separately) to: Milton H. Stetson, Ph.D., Chairperson, Medical Technology Search Committee, School of Life and Health Sciences, University of Delaware, Newark, DE 19716. Equal Opportunity/Affirmative Action Employer.

CLINICAL TOXICOLOGIST/FACULTY POSITION—The University of Arkansas for Medical Sciences (UAMS) College of Pharmacy announces availability of a faculty position. Candidates must possess an earned Pharm.D. or Ph.D. degree. Although a postdoctoral research fellowship, or equivalent, is preferred, those having completed specialty residency training in clinical toxicology are considered eligible. Responsibilities will include contributing to the ongoing research program in toxicology, interacting with faculty and students in other colleges and departments, and clinical service to patients. Salary and appointment rank will be commensurate with qualifications. A joint appointment in another health-related department is anticipated. Pharmacy licensure in Arkansas is mandatory. Dr. William W. UAMS, Slot 522, 4301 West Markham, Little Rock, AR 72205. Telephone: 501-661-5857.

DIRECTOR OF BEHAVIORAL NEUROSCIENCE SERVICE—The Department of Psychiatry of the School of Medicine, University of California, San Francisco (UCSF), is seeking a director for a 21-bed adult inpatient unit, the Behavioral Neuroscience Service, at the Langley Porter Psychiatric Institute. The Behavioral Neuroscience Service is an established clinical research ward with an emphasis on biological psychiatry. The incumbent will be responsible for the development and coordination of clinical service, education, and research activities in the field of behavioral neuroscience. This position will be at the assistant professor level and will be available on 1 July 1987. The ideal candidate would be a Board-certified psychiatrist, with documented research experience in biological psychiatry, the capacity for skilled clinical and educational leadership, and demonstrated ability in administration. Eligibility for an M.D. or Ph.D. degree is required. Applications must be received before 1 July 1987. Please send resume to: Craig Van Dyke, M.D., Search Committee Chairperson, 205 Van Dyke, Veterans Affairs Hospitals Medical Center, 4150 Clement Street, San Francisco, CA 94121. UCSF is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ENDOWED CHAIR IN NEUROPHYSIOLOGY—The Department of Medicine of the University of Florida, College of Medicine is seeking applications for an ENDOWED CHAIR IN NEUROPHYSIOLOGY. The endowed chair, with assets in excess of $1 million, was established by the Florida Senate as part of the State of Florida’s Eminent Scholars Program and was made possible by a generous contribution from a private donor. The individual of the endowed chair will have a full-time faculty appointment in the Division of Neurophysiology, Hypertension and Transplantation in the Department of Medicine of the College of Medicine of the University of Florida. The appointee should have an M.D. or M.D./Ph.D. degree and a well-established, creative and productive research program. Appropriate areas of research include molecular biology, biochemistry, physiology, hypertension, and cell biology. Salary is negotiable commensurate with education and experience. The start date is flexible. Interested individuals should write by 1 May 1987: James E. McGuigan, M.D., Chair, Search Committee, Department of Medicine, College of Medicine, Box J-277, University of Florida Health Center, Gainesville, FL 32610. The University of Florida is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

DIVISION CHIEF: The Department of Pediatrics of the University of Florida, College of Medicine, is searching for a dynamic leader in the area of IMMUNOLOGY. The program represents an integrated unit that provides clinical care and emergency services to children, residents, and fellows. The division chief is responsible for teaching medicine to different levels of trainees, undergraduate students, and patients in clinical and research activities. A strong background in molecular genetics and its clinical application is highly desired. 

ECOLOGIST—Valparaiso University, a private, Christian institution in the Lutheran tradition located in northwestern Indiana, is seeking a candidate for the position of Assistant Professor in the Department of Biology at the University level of assistant professor, beginning August 1987. A Ph.D. in ecology with exposure in both plants and animals is required. The candidate must have strong teaching credentials. Teaching responsibilities include an upper-level ecology course with laboratory, an introductory level biology course, a biogeochemical systems course, and an introductory course for majors. Excellent research opportunities are available. Applicants should submit letter of application, curriculum vitae, transcripts, and three letters of reference to: Dr. James Tan, Chairman, Department of Biology, Valparaiso University, Valparaiso, IN 46383. Telephone: 219-464-5373. An Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION—STABLE ISOTOPES—UNIVERSITY OF CALIFORNIA SANTA BARBARA—The Department of Geological Sciences, University of California, Santa Barbara, is seeking candidates for a ten-year-tenure-track position in the area of light-stable isotopes, especially in marine related science. The successful candidate will be responsible for teaching and research in the applications of stable-isotope studies in such areas as marine and terrestrial geology, oceanic science general; and in graduate and undergraduate teaching. The university will soon develop a light-stable isotope laboratory. A Ph.D. in geology, geochemistry, or oceanography with a demonstrated record for research accomplishments. Rank and salary are negotiable. Applications are available effective immediately. Applicants should address three referees to: Dr. Michael Fuller, Chairperson, Department of Geological Sciences, University of California, Santa Barbara. Please submit applications to: University of California, Santa Barbara, CA 93106.

IMMUNOLOGIST—The Department of Microbiology and Immunology and the Lineberger Cancer Research Center, University of North Carolina School of Medicine, Chapel Hill invite applications for a tenure-track ASSISTANT/ASSOCIATE PROFESSORSHIP IN IMMUNOLOGY. We seek an individual with an interest in teaching immunology to graduate students and other students in health affairs, and demonstrably capable of conducting an independent research program. We particularly seek candidates with interest in the molecular biology, biochemistry or cell biology of T-cell development, differentiation, or function. This position will be available summer, 1987. The University of North Carolina is an Equal Opportunity/Affirmative Action Employer. We encourage applications from and nominations of minority and women candidates. The letter of nomination should be voluntary. Reply by 25 February 1987, with curriculum vitae and names and addresses of references to: Jeffrey A. Frelinger, Ph.D., 804 Faculty Laboratory Office Building, UNC, Chapel Hill, NC 27514.
CANCER PREVENTION FELLOWSHIP PROGRAM (CPF)

NATIONAL CANCER INSTITUTE
National Institutes of Health
Public Health Service

The Division of Cancer Prevention and Control is accepting fellowship applications for a proposed August 31, 1987, entry into CPF. Funding permitting, up to ten individuals may be accepted for three years of training. Requirements are: M.D., D.O., or an accredited doctoral degree in a discipline related to cancer prevention and research (medicine, biomedical, or behavioral, nutritional science) or equivalent and academic-professional excellence supported by official transcripts and four letters of reference, and United States citizenship or a resident alien eligible for citizenship within four years at the time of application. Current salary ranges for an M.D./D.O. or a Ph.D., respectively, are $26,000-$35,000 or $18,000-$31,000 per annum. Send a postcard with your name and address to Ms. Nancy E. Garner, NIH/NCI/DCCP/CCAB, Blair Building, Room 4A01, Bethesda, MD 20892-4200, or call (301) 427-6788 for application and information packet.

DEADLINE FOR RECEIPT OF APPLICATIONS IS MARCH 16, 1987
An Equal Opportunity Employer

IMMUNOLOGY/ VIROLOGY
BIO-CHEMISTRY

E.N.I. has current openings for Ph.D-level Scientists in above discipline.

Positions require 2 or more years of post-doctorate and/ or industrial laboratory experience in the development of Immunological diagnostics assays.

Please forward C.V. in confidence to: GALE LININGER, at:

ELECTRO-NUCLEONICS, INC.
7101 Riverwood Drive
Columbia, Md. 21046

U.S. PATENT AND TRADEMARK OFFICE

POSITION:
Microbiologist/Copy Examiner

Opportunity involves the scientific and legal evaluation of patent applications involving recombinant DNA, molecular and cellular immunology, molecular genetics, cell biology, microorganisms, cell culture, fermentation, enzymology or clinical chemistry.

QUALIFICATIONS:
A full 4 year or longer professional curriculum in an accredited college or university leading to a Bachelor’s Degree or higher with specific study in Molecular Biology, Biochemistry, Immunology, Microbiology or Cell Biology.

A Ph.D. or M.S. degree with relevant research experience is preferred. A B.S. degree with significant research experience will be considered.

Research Experience in any of the following areas would be beneficial: DNA cloning; gene expression, sequencing techniques, hybridoma technologies, monoclonal antibody applications, mammalian or plant cell lines, cell culture, immunoassays, hybridization techniques, fermentation, enzymatic reactions, diagnostics and automation of clinical analysis.

SALARY:
Dependent upon experience and qualifications.

LOCATION OF POSITION:
Arlington, Va.

For further information contact:
Nancy Struthers
Patent and Trademark Office
Office of Personnel, C&E
CPK 1, Suite 700
Washington, D.C. 20231
703-557-1244

DARTMOUTH COLLEGE

Two Tenure Track Positions in Environmental Studies

One appointment is at the Assistant Professor rank; the other at the Associate or Assistant Professor level. Both require the Ph.D or equivalent, and joint appointment with other departments is possible. Candidates for one position should have particular strength in terrestrial ecology or related field, with special interests in plant physiology, nutrient cycling, energy flow, forestry, community structure or soils. The other position will be filled by someone with training in the earth, hydrologic or atmospheric sciences or in physical geography. Both candidates will be expected to have interest in the policy implications of environmental science. Successful candidates will be expected to conduct productive independent research, and contribute energetically and imaginatively to teaching and research in the multidisciplinary Environmental Studies Program.

The Program offers courses in environmental science, policy, and values, and a foreign study program in Kenya. Research opportunities include a multidisciplinary study of the effects of atmospheric pollution and other influences on a grass-for forest at the College-owned research site on Mt. Moosilauke. Applicants should submit curriculum vitae, a statement describing current and future research plans, a description of teaching experience and interests, and the names of three references. References should be asked to send letters directly to:

Professor James F. Homig
Environmental Studies, Dartmouth College
183 Nathan Smith Building
Hanover, NH 03755

We will begin to review applications March 1. Dartmouth is an equal opportunity/affirmative action employer.

SUMMER 1987
TEN ENVIRONMENTAL SCIENCE AND ENGINEERING FELLOWSHIPS

Applications Invited

The American Association for the Advancement of Science (AAAS) invites applications for ten environmental science and engineering fellowships available for summer 1987. The program will work closely with the Environmental Protection Agency (EPA), Office of Research and Development, and other program offices, in Washington, DC, and assist in identifying and assessing the significance of long-range environmental problems and opportunities. The 10-week appointments are for 8 June through 14 August 1987. The awards will be announced prior to the end of April 1987.

Postdoctoral to mid-career scientists, engineers, and other appropriate professionals are encouraged to apply. Candidates may be from the physical, biological, or behavioral sciences, or any field of engineering or other relevant professional fields. They are expected to be critical thinkers, articulate, adaptable, and able to work with a variety of people from different professional backgrounds.

The 1987 Environmental Fellows will receive a taxable stipend of $675 per week and a nominal additional amount for temporary relocation expenses and travel in connection with the fellowships.

A detailed, future-oriented research project will be conducted by each fellow which is of mutual interest to him or herself and the EPA. A project report will be submitted at the completion of the summer’s work. Typical areas of research interest within EPA include: environmental risk assessment; biological pesticides; acid deposition; mobile source air pollution; oxidants, gases and particles; municipal waste water and spills; drinking water; hazardous waste; chemical testing and assessment; pesticides; radiation; and energy.

For further information and specific application requirements contact:

Patricia S. Cuelin, Manager
Environmental Science and Engineering Fellows Program
American Association for the Advancement of Science
1333 H Street, NW, Washington, DC 20005
Telephone: 202-326-6600

Deadline for applications is 10 March 1987.
ENVIRONMENTAL BIOMOLECULAR AND APPLIED BIOCHEMISTRY

The School of Applied Biology invites applications for a tenure-track position at the junior level for September 1997. Applicants should have expertise in one or more of the following: microbial ecology, animal toxicology, or plant toxicology. Teaching responsibilities will include courses in one or more of these areas as well as a laboratory course. Applicants should have postdoctoral experience and be able to continue with or develop an independent research program.

Send curriculum vitae, description of research, and names of three references to:
T. D. Tornabene, School of Applied Biology, Georgia Institute of Technology, Atlanta, GA 30332.
Closing date is 30 April 1997. The Georgia Institute of Technology is a unit of the University System of Georgia and is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION

Recent Ph.D. in instrumental analysis or biochemistry for tenure-track position in Chemistry department (ACS-certified) of a state college. To teach undergraduate courses in Biochemistry and Instrumental Analysis and aid in the development of undergraduate research programs. Position available starting in August 1987. Salary and rank negotiable. Applications received until position filled. Early application is encouraged. Send curriculum vitae, transcripts, and three letters of recommendation to:
Dr. Barbara J. Oden, Chair
Division of Sciences and Mathematics
West Virginia State College Institute, WV 25112
An Equal Opportunity/Affirmative Action Institution.

U.S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

SOUTHERN FOREST EXPERIMENT STATION

HYDROLOGIST, USDA, Southern Forest Experiment Station, Rio Piedras, Puerto Rico. This is a scientific position requiring a hydrologist (temporary, 2 years) to conduct studies on the relation between forest management techniques and water quality in tropical watersheds. The hydrologist is primarily concerned with nonpoint source pollution produced in erosion, nutrients cycled through the watershed, yield, and quality of water leaving forest lands. Knowledge of and skill in performing nonpoint source pollution research, skill in conducting watershed management research (with actual field experience to report results orally and in writing are required. Either a master's or Ph.D. or equivalent education and experience are required. U.S. citizenship is required. Commensurate salary, GS-11/12/13 ($27,172 to $38,727). Information concerning the position may be obtained by telephone: 804-589-9321. NO COLLECT CALLS. The USDA is an Equal Opportunity/Affirmative Action Employer.

MARINE BIOMOLECULAR AND APPLIED BIOCHEMISTRY

DEPARTMENT OF ANATOMY

UNIVERSITY OF ARIZONA

Applications are being accepted for two tenure-track faculty positions, which will be filled at an assistant or associate professor level by 1 July 1987. Candidates for assistant professorship must have postdoctoral experience and be able to develop a strong externally funded, independent research program. Applicants for associate professorship must have an established research record and ability to secure extramural funding. Additional requirements include ability to teach cell biology and/or human morphology to graduate and professional students in the discipline. Preference will be given to candidates who have active research programs in either developmental cellular neurobiology with expertise in fluorescence-activated cell sorting or in tissue and cellular biology with expertise in cell membrane recording including patch-clamp techniques as well as computer-based morphometry, digital image processing and analysis, and software application/development for biological applications. Deadline for receipt of all application materials is 2 March 1987. Send curriculum vitae, brief description of research interests, and three letters of reference to:
Dr. Robert S. McCuskey, Professor and Head, Department of Anatomy, College of Medicine, The University of Arizona, Room 311, 1505 Elm Avenue, Tucson, AZ 85724. An Equal Opportunity/Affirmative Action Employer.

TWO FACULTY POSITIONS:

(1) BIOCHEMIST, assistant professor, tenure-track to teach general biochemistry and related area of specialization, to continue a vigorous research program, to participate in curriculum development and to advise students. Postdoctoral experience required. (2) BIOLOGY INSTRUCTOR, non tenure-track, must teach General Biology, Ecology of South Florida, and Human Biology at the Bay Vista Campus, and must advise students. Teaching on the main campus in a specialized area (such as Immunology) will be required of the instructor. Both positions: require two years of full-time academic training, three letters of reference, and recent publications (26 February 1987) to: Search Committee, Department of Biological Sciences, Florida International University, Miami, FL 33199. F.I.U. is a member of the State University System of Florida which is an Affirmative Action Equal Opportunity Employer.

IMMUNOLOGIST, assist professor, tenure-track position beginning 8 September 1987. Teach undergraduate courses in immunology, develop an advanced course in hybridoma techniques and cellular immunity, teach human genetics. Ph.D. with major emphasis in immunology and hybridoma techniques and training in human genetics required. Possible election as department chair. Building: B-7, St. Paul, MN. Initial salary: $24,587. Application deadline is 1 April 1987. Appointment will begin on 1 July 1987, or later. The University of Minnesota is an Equal Opportunity Employer and Employer and specifically invites and encourages applications from women and minorities.

LABORATORY ANIMAL SPECIALIST

The Division of Animal Medicine, University of Washington School of Medicine, invites applications for a FACULTY POSITION (associate professor rank) in laboratory animal medicine and science. Responsibilities include teaching, conducting studies involving veterinary and other species on the technical aspects of the Division's animal resources program, overseeing University compliance with AAALAC standards and applicable animal care regulations, conducting comparative medical research in an area of interest, and participating in the teaching programs of the Division. Ph.D. in a field involving animal health, be comfortable with the incumbent's background and experience. ACLAM certification is required. Twenty-five percent salary support only is provided; the balance of the salary must be earned. The position requires a candidate with a curriculum vitae and the names of four references who may be contacted to:
Dr. Gerald I. Harkness, Professor and Head, Division of Animal Medicine, University of Washington, Seattle, WA 98195.

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

MOLECULAR AND CELLULAR BIOLOGY OF LIPOPROTEINS AND APOPROTEINS.

Applications for a 1- to 3-year postdoctoral appointment are invited from Ph.D.'s or M.D.'s who have strong background in protein biochemistry and/or cellular immunology. Research problem: regulation of early events in immune activation and proliferation. Stipend: $16,000 minimum; increases with relevant experience. Send a current curriculum vitae, representative publications, and the names of three references to:
J. A. K. Harmon, Director
Division of Lipoprotein Research
Department of Pharmacology and Cell Biophysics
College of Medicine, University of Cincinnati
Cincinnati, OH 45267-0875

MOLECULAR BIOLOGY OF LIPID AND LIPOPROTEIN METABOLISM

The Molecular Resource Center and Department of Pharmacology at the University of Tennessee, Memphis, invites applications for a junior level, TENURE-TRACK POSITION focusing on molecular analysis of significant problems in the area of lipid and lipoprotein function and control. Candidates will be expected to develop a strong, independent research program with long-term growth potential, and to participate in teaching of both graduate and undergraduate students. The University of Tennessee, Memphis, is in a major growth phase. A large number of new faculty are being appointed to basic science departments. This appointment will be primarily in the Department of Pharmacology, but may also be joint with other basic science departments. A large Center of Excellence grant has resulted in development of a Molecular Resource Center featuring state-of-the-art facilities for DNA cloning and sequencing, oligonucleotide synthesis, peptide synthesis, radioactive and nonradioactive protein sequencing, and flow cytometry. Funds for the initiation of research programs will be available and salaries will be highly competitive. Deadlines for applications will be received until 1 March 1987, or until the position is filled, and should consist of current vitae, copies of several recent publications, a brief statement of future research plans, and three letters of recommendation sent to:
Dr. Murray Heimberg, Department of Pharmacology, University of Tennessee-Memphis, 874 Union Avenue, Memphis, TN 38163.

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

Nonprofit public membership organization seeks MANAGER FOR MEMBERSHIP PROGRAMS. Person will be responsible for membership growth. Science interest and awareness helpful. Person should be innovative, motivated, and able to work well with others. Duties will include coordination of public events—lectures, meetings, membership recruitment, and public education events. The Planetary Society, 65 North Catalina Avenue, Pasadena, CA 91106.

MICROBIOLOGY:

Tenure-Track ASSISTANT PROFESSOR to begin September 1987. Ph.D. required. Prefer general area of intracellular biology or parasitology, and teach freshman biology, genetics, microbiology, and upper level and graduate courses in area of specialization. Applicants should have relevant teaching experience and be available to arrange for transcripts of all college work and three letters of recommendation, to: Dr. Kenneth S. Saladin, Department of Biology, College of Arts and Sciences, University of North Carolina—Greensboro, Greensboro, NC 27412. An Equal Opportunity Employer.
Last year, Syntex invested 17% of sales in R&D, one of the highest ratios in the health sciences industry. And this year, it'll be even higher. That's because we think it's worth spending a few extra dollars for the finest facilities, equipment, and staff to thoroughly research the ideas that will benefit tomorrow's patients. If you'd like to join in this research, consider the following opportunities:

**Inflammation Research**

In this position as a Cellular Immunologist in our growing Department of Inflammation Biology, you will be responsible for conducting basic research on immunological mechanisms in animal models of disease. You will work on a team of biologists and biochemists seeking novel approaches to the control of chronic inflammatory diseases. You must have 2-3 years postdoctoral experience in the immunology of inflammation.

**Postdoctoral Fellow — Pharmacologist**

A Postdoctoral Fellow in Renal Pharmacology is needed to study the effects of dopamine analogs and other potential therapeutic agents on renal function. The project will include both acute and chronic studies using several models including the Gellar rat model of insulin and PAH clearance. This position requires a PhD in pharmacology or physiology with specialized coursework in renal and cardiovascular pharmacology.

**Pharmacologist**

We are seeking a Cardiovascular Pharmacologist to join our Cardiac and Renal Pharmacology Unit. You will contribute to the design of research projects and carry out independent assignments for the development of cardiovascular drugs. This position requires a PhD in cardiovascular physiology or pharmacology and 1-3 years relevant laboratory experience. Candidates must possess knowledge of modern techniques for functional evaluation of the cardiovascular system and surgical techniques. Familiarity with computer programming is preferred but not mandatory.

Please send your resume and salary history to Syntex, Professional Staffing, Dept. PS1355, 3401 Hillview Avenue, Palo Alto, CA 94304. We are an equal opportunity employer.
POSITIONS OPEN

YEAST/FUNGAL MOLECULAR BIOLOGIST—GENETICIST: University professorship; tenure-track position available immediately. Core teaching and research responsibilities include an established program in fungal cellular and molecular genetics, and interactions of fungal microorganisms with other organisms in the environment. Applicants should have an active research program, and should be able to initiate a highly visible research program in the laboratory environment. Excellent facilities and support are available. Send curriculum vitae and names of three references to: Dr. Donald S. Dwyer, Neurosciences Program, University of Alabama at Birmingham, Birmingham, AL 35294. An Equal Opportunity/ Affirmative Action Employer.

MAMMALIAN TOXICOLOGIST: Tenure-track assistant professorship available August 1987. Requirements: Ph.D. in toxicology and strong background in research relevant to mammalian toxicology. Duties: develop an active research program based on external funding, teach graduate courses in toxicology, contribute to teaching a biology core course and supervise M.S. graduate research. Preference given to candidates with postdoctoral experience. Send curriculum vitae, transcript, three letters of recommendation and three references to: Dr. Douglas Wartok, Department of Biological Sciences, Indiana University, Bloomington, IN 47405. An Equal Opportunity/Affirmative Action Employer.

MOLECULAR BIOLOGIST: The Department of Microbiology at the University of Miami School of Medicine is planning to make a senior tenured appointment of an established scientist in the area of molecular immunology with expertise in protein chemistry. This appointment will involve the supervision of a research program which will complement existing programs in immunology and immunogenetics. The selected candidate will also participate in teaching activities of the medical school and biomedical graduate program. Only applicants with a substantial publication record of significant contributions, and a useful record of competitive funding will qualify for consideration. The projected starting date is January 1988. Interested individuals should submit curriculum vitae, bibliography, three or more references to: Dr. Fred Karush, Department of Microbiology, University of Pennsylvania School of Medicine, Philadelphia, PA 19104-6076. An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

MOLECULAR/CELLULAR NEUROBIOLOGIST

Newly formed group working on fundamental issues in olfaction and learning. Established, established, established researcher is interested in hiring a junior, fully funded post-doctoral fellow professor. Candidates are encouraged to apply. Applicants should send a statement of their research interests; curriculum vitae and list of publications; and names, addresses, and telephone numbers of three people who may be contacted as references to: Yeast/Fungal Search Committee, L. W. Parks, Chairman, Department of Microbiology, North Carolina State University, Raleigh, NC 27695-7615. Applications will be accepted until 31 March 1987.

North Carolina State University is an Equal Opportunity Employer.

NEUROSCIENCE FACULTY

The University of California San Francisco (UCSF) Departments of Otolaryngology and Physiology are searching for a candidate whose primary research interest is in the organization and function of the vertebrate central nervous system for a tenure-track appointment at a junior or senior level. Applicants with a background in human and/or animal studies in the hearing and speech sciences are sought. The successful candidate will conduct an independent research program as well as take part in teaching and in the intellectual life of the Department and the interdepartmental Neuroscience and Communications Training Program. Applications from women and underrepresented minorities are particularly encouraged. Applicants should promptly send a complete statement of research interests and the names and addresses and telephone numbers of three individuals from whom we may solicit letters of recommendation to: Dr. Michael M. Merzenich. Department of Otolaryngology, HSE-871 University of California San Francisco, CA 94143-0526 The University of California, San Francisco is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

PLANT BIOLOGIST: Assistant Professor. Tenure track, beginning fall 1987. Ph.D. in vascular plant taxonomy, including molecular systematics and conservation/research interests; knowledge of analytical techniques. Duties include teaching introductory botany, plant taxonomy, and plant ecology courses. Commitment to maintaining the herbarium and development of independent research. Applicants should submit a curriculum vitae, statement of professional interests, and names of three references by 1 March 1987 to: Daniel Stern, Chair, Biology Department, University of Missouri—Kansas City, 100 Rockhill Road, Kansas City, MO 64110. An Equal Opportunity/Affirmative Action Employer.

PLANT SCIENCE INTERN

WEYERHAEUSER CO. needs a Ph.D. in woody plant physiology or plant science to conduct original research on physiological aspects of support of chemical preservatives in plants. You will participate as a strong team member in a new specialty plant business on a temporary 12- to 18-month assignment, in Auburn, Washington (near Tacoma). There is a possibility of full-time employment based on the success of the business. If assignment does not continue relocation compensation will be provided.

You must have (i) knowledge and experience in aspects of woody plant physiology and be willing to train in the other. Two- and monostomal physiological, (ii) commitment to high quality, well-disciplined research, (iii) excellent written and oral communication skills—especially to prepare reports and give effective presentations to non-technical people, (iv) experience in experimental design and statistics, (v) ability to work unsupervised in unstructured rapidly changing mission environment. Send resume with cover letter and list of three professional references, with addresses and phone numbers, by 27 February 1987 to: Weyerhaeuser Company WTC-TR1-PSI Tacoma, WA 98477

POSTDOCTORAL ASSOCIATE position available immediately to study kinesin's role in proteolytic enzyme secretion in metastatic human tumor cells. Applicants should have experience in biochemical and immunological techniques in immunocytchemistry, tissue culture and microinjection techniques would be helpful. The position is funded for 2 years and may be extended. Salary: $13,900 to $24,000. Respond to: Dr. Mark E. Stearns, 215-728-3141 at the Fox Chase Cancer Center, Center and Shelmire Avenues, Philadelphia, PA 19111.

POSTDOCTORAL ASSOCIATE position available 1 July 1987 for research into polyanime metabolism in plants. Experience in plant biochemistry is essential and in molecular biology is desired. Salary: $18,500 to $25,000. Send letter of application, curriculum vitae, and list of references to: Leonard H. Weinstein, Ph.D., Boyce Thompson Institute at Cornell University Tower Road Ithaca, NY 14853

POSTDOCTORAL ASSOCIATE YALE UNIVERSITY SCHOOL OF MEDICINE Needed in summer/fall to study neocortical model of epilepsy. (Drs. A. Chatt and J. Eberwine). Successful candidate will demonstrate experience in either electrophysiology (in vivo/in vitro) or anatomical tract-tracing techniques and be willing to train in the other. Two-year postdoctoral appointment will be concurrent with a position in the VA Medical Center. Send curriculum vitae, three letters of reference, and reprint to: Dr. Allen A. Chatt, Department of Neurology Yale University School of Medicine New Haven, CT 06510

POSTDOCTORAL POSITION: The Laboratory of Neuropharmacology at the National Institute on Alcohol Abuse and Alcoholism is seeking a postdoctoral fellow to conduct research in the area of neuropharmacology and alcohol. The successful candidate will be responsible for designing and performing experiments to evaluate the effects of drugs and alcohol on various aspects of brain function. The candidate should have a strong background in neuroscience and experience in animal behavior and pharmacology. Salary: $25,000 plus benefits. Send curriculum vitae, including a summary of research interests and three references to: Dr. Charles E. A. Taylor, National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, U.S. Department of Health and Human Services, P.O. Box 10680, Miami, FL 33101.
Pharmacologists
Drug Discovery

We are a subsidiary of ICI Pharmaceuticals, a world leader, part of one of the largest chemical firms in the world. Expansion of research programs has created these openings at our state-of-the-art laboratories.

MOLECULAR CELL BIOLOGY
A new group within Pharmacology, part of a multidisciplinary team to contribute to basic research toward identification of new therapeutic entities.

- Senior Staff Position - Ph.D. in biochemistry (neurochemist) or cell biology with 3-5 years of proven competence in the biochemistry affecting calcium mobilization and the pharmacology of calcium channel blockers. Practical expertise in receptor biochemistry, second messenger assays, and state-of-the-art cell culture techniques are essential.

The successful candidate will be responsible for a group comprising a postdoctoral fellow and appropriate assistants.

- Postdoctoral Fellow - Ph.D. in biochemistry or neurochemistry with hands-on experience with second messengers and mechanism of signal transduction. Experience for measuring calcium fluxes, receptor function, and tissue culture techniques are highly desirable. One to two year appointment renewable by mutual consent. Presentation at national and international meetings and publication of findings will be encouraged.

- Junior Pharmacologists - Several B.S. or M.S. positions in biology or biochemistry with experience in neurobiology or cell biology to work on receptor binding techniques, catecholamine metabolism, and mechanism of cellular function. Familiarity with HPLC, tissue culture techniques is desirable.

CNS
- Neurophysiologist - B.S./M.S. in Neurophysiology. Assist in design and execution of pharmacological studies to identify drugs for central nervous system disorders. Proficient in electrophysiological techniques (stereotaxic surgery, histology, extracellular single unit recording, iontophoresis, brain slice). Knowledge of electronics and computer science.

PULMONARY
- Enzymologist/Biochemist - Ph.D. with 2-3 years postdoctoral expertise with sound understanding of enzyme kinetics. Will interact with team of biologists and chemists to design and analyze mechanisms of action of inhibitors of human neutrophil elastase. Mechanistic studies on other enzymes anticipated. Broad background in biochemistry expected.

RENO
- Pharmacologist - B.S. or M.S. with basic foundation in renal physiology/ pharmacology with 2-3 years in micro- puncture and microanalytical techniques. Hands-on experience in animal surgery necessary.

Superb facilities in suburban setting 25 miles south of Philadelphia. Competitive salary and comprehensive benefits, including unique investment plan. Principals only. Charles T. Brodigan, Associate Employment Manager.

Gastroenterology & Rheumatology
The Medical Products Division of Pharmacia Inc. has two openings in their Clinical Research Department.

SR. CLINICAL RESEARCH ASSOCIATE
This position oversees the progress and analyzes the results of clinical trials, helps in NDA preparation and monitors adverse drug reactions. Excellent oral and written communication skills and a BS in the Life Sciences are required. An advanced degree is preferred. Experience should include 2-5 years' in clinical research in a Pharmaceutical environment.

CLINICAL RESEARCH ASSOCIATE
The responsibilities of this position include monitoring and data management of clinical trials through site contact with clinical investigators, design of protocols, and writing of final medical reports. A BS in Life Science and 1+ years experience as a CRA are required as are excellent written and oral communication skills.

We offer excellent company paid benefits and a salary commensurate with experience. For consideration for these positions apply to: HUMAN RESOURCES DEPARTMENT, PHARMAcia INC., 800 CENTENNIAL AVENUE, MYCATAWAY, NEW JERSEY 08855. We are an equal opportunity employer M/F/H/V. (201) 457-8175.

Research Scientists
We're Praxis Biologics, a research-driven, results-oriented company recognized as a pioneer in the development of pediatric vaccines. Establish yourself with a leader in the field as one of the following:

Manager of Serological Studies
You will manage a group of professionals in the development of immunological assays, as well as supervise the routine use of assays in clinical and preclinical studies. Qualifications must include a PhD in Immunology or equivalent, and a minimum 5 years related experience. Assay development experience is essential.

Cell Culture Biologist
You will develop hybridoma cultures and cell culture assays, as well as characterize, evaluate and produce monoclonal antibodies. Qualifications must include at least an MS (PhD preferred) in Immunology, Cell Biology or equivalent, and a minimum 2 years research experience. Supervisory background desirable.

For prompt, fully confidential consideration, please send your resume with salary requirements to: Praxis Biologics, Human Resources Department, 300 East River Road, Rochester, NY 14623.

PRAXIS BIOLOGICS
An equal opportunity employer, m/f.
An affirmative action/equal opportunity employer.

POSTDOCTORAL POSITION
Research position in molecular biology at the postdoctoral level is available immediately to study transcriptional control of gene expression in eukaryotic systems. The candidate should be a recent Ph.D. in molecular biology/biochemistry or in a related area of Life Science and must have knowledge in Nucleic Acid Biochemistry. Background in recombinant DNA techniques or in microbiology is preferable but not essential. Please send curriculum vitae with the names of three references to:

Dr. G. C. Das
Department of Molecular Biology
The University of Texas Health Center at Tyler
P.O. Box 4223
Tyler, TX 75710

POSTDOCTORAL POSITION
Available July 1987, to study hormonal regulation of expression of urea cycle enzyme genes. Experience with recombinant DNA technology desirable. Send curriculum vitae, a two-page description of research interests, and names of three references to:

Dr. Sidney Morris,
Department of Microbiology, Biochemistry,
and Molecular Biology, University of Pittsburgh,
Pittsburgh, PA 15261.

POSTDOCTORAL POSITION
The Department of Biology announces a teaching-research postdoctoral position available 1 July 1987 (one year). The successful applicant will be expected to teach a one-semester undergraduate course, with the remaining time devoted to research. Applicant's research interests should be in one of the following areas: physiological, population, community ecology and evolutionary biology of platyhelminths, paleozoic invertebrates, and developmental biology, developmental microbiology and population genetics. Applicants should submit a description of research interest, and names of three letters of recommendation to be sent to:

Dr. Walter A. Konetzka,
Department of Biology, Indiana University,
Bloomington, IN 47405.
Candidates whose applications are received prior to 1 June 1987 will be advised of consideration. Applications from women and minority group members are especially welcome. Indiana University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION AT CASE WESTERN RESERVE UNIVERSITY
Recent Ph.D. with experience in enzyme purification and characterization, enzyme kinetics, HPLC, and immunchemical methods is sought. Background in molecular biology is helpful but not essential. The incumbent will study a newly discovered multi-functional protein, Aminoadipic Semi-aldehyde Synthase [Markovitz et al., JBC 259, 11643 (1984)]. This will be the first of several steps in the lysine degradative pathway in liver. The investigation will be at both protein and gene levels. Send curriculum vitae with names of three references to:

Dr. David P. Callis,
Department of Molecular and Structural Biology, 281 W,
VA Medical Center, 10701 East Boulevard,
Cleveland, OH 44106.

POSTDOCTORAL POSITION
BOSTON UNIVERSITY. Position available for 1 April 1987 for Ph.D. in lipid biochemistry. Studies will be of gene interaction of cholesterol and lecithin in lipoproteins and cholesterol transport between lipoproteins and cells. Minimum duration 2 years. Salary: $21,000. Send curriculum vitae with names of three references to:

Dr. Sander Robins,
Room B-8, Research Building,
Boston Veterans Administration Medical Center,
Boston, MA 02130.

An equal opportunity/affirmative action employer.

POSTDOCTORAL POSITION
University of Pennsylvania Applications are invited for a postdoctoral position to carry out theoretical studies of lattice defects in intermetallic compounds. The work involves computer simulation of the structures and properties of antiphase boundary areas, stacking faults, dislocations and grain boundaries using molecular statics and dynamics. An integral part of this research is the development of methods of total energy minimization and target is to generate tight-binding, linearized muffin tin orbitals as well as density functional theory methods. Qualifications: Ph.D. in physics or materials science. Starting date as early as convenient. Appointment is originally for 1 year with the possibility of extension for another year. Send resume and two references to: Professor V. Vitek, Department of Chemistry, University of Pennsylvania, Philadelphia, PA 19104.
You can make a difference!

FDA SEEKS A TOP PHYSICIAN AS DIRECTOR CENTER FOR DRUGS AND BIOLOGICS

This is an exciting and challenging opportunity for a physician who has worked professionally in the field of human drugs, and/or biologicals and blood and blood products and has the executive qualifications necessary to lead and direct over 1,400 medical, scientific, and allied professionals.

The individual selected will have considerable influence in shaping the nation's pharmaceutical review program. It provides an unparalleled opportunity to someone who believes it vital to bring needed new pharmaceutical products to market as quickly as possible.

This position may also be filled by those who join the Commissioned Corps of the U.S. Public Health Service, or by current or former Commissioned Officers. The salary ranges from $66,000 up, depending on qualifications and length of service.

If interested, a curriculum vitae should be sent to the Division of Human Resources Management (HFA-408), Food and Drug Administration, Parklawn Building, 5600 Fishers Lane, Rockville, Maryland 20857. For further information, please call Jeylene Wood collect on (301) 443-1755. To ensure full consideration, applications must be postmarked no later than February 27, 1987.
POSTDOCTORAL POSITION—ION CHANNELS. Available in 1987 for studies of the molecular mechanisms of ion channels. The project involves mammalian cell electrophysiology and recent advances in ion channel structure and function. The position requires a Ph.D. in physical biology or a related discipline. Send curriculum vitae, statement of research interests, and three letters of recommendation to: Connecases Department, Box 68, M.D. Anderson Cancer Center, Houston, TX 77030.

POSTDOCTORAL POSITIONS. Available immediately in the areas of biochemistry, molecular biology, and biophysics. The positions require a Ph.D. in physical biology or a related discipline. Send curriculum vitae, two letters of recommendation, and a brief statement of research interests to: Dr. D. H. Michalek, Department of Microbiology, University of Minnesota, Minneapolis, MN 55455.

POSTDOCTORAL POSITIONS available immediately at Cedars-Sinai Medical Center (CSMC). Candidates should have a Ph.D. in physical biology or a related discipline. Send curriculum vitae to: Dr. D. H. Michalek, Department of Microbiology, Cedars-Sinai Medical Center, Los Angeles, CA 90048.

POSTDOCTORAL FELLOW available immediately for a 2-year period in the areas of glycogen metabolism and carbohydrate metabolism. Send curriculum vitae and a brief description of research interests to: Dr. H. H. Schachter, Department of Biochemistry, University of California, Irvine, CA 92717.

POSTDOCTORAL RESEARCH FELLOW available immediately for a 2-year period in the areas of carbohydrate metabolism and carbohydrate metabolism. Send curriculum vitae and a brief description of research interests to: Dr. H. H. Schachter, Department of Biochemistry, University of California, Irvine, CA 92717.

POSTDOCTORAL RESEARCH FELLOW available immediately for a 2-year period in the areas of carbohydrate metabolism and carbohydrate metabolism. Send curriculum vitae and a brief description of research interests to: Dr. H. H. Schachter, Department of Biochemistry, University of California, Irvine, CA 92717.

POSTDOCTORAL RESEARCH FELLOW available immediately for a 2-year period in the areas of carbohydrate metabolism and carbohydrate metabolism. Send curriculum vitae and a brief description of research interests to: Dr. H. H. Schachter, Department of Biochemistry, University of California, Irvine, CA 92717.

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POSTDOCTORAL RESEARCH FELLOW available immediately for a 2-year period in the areas of carbohydrate metabolism and carbohydrate metabolism. Send curriculum vitae and a brief description of research interests to: Dr. H. H. Schachter, Department of Biochemistry, University of California, Irvine, CA 92717.
Senior Research Biologist

Molecular Biologist

The Agricultural Research Division of American Cyanamid Company has the following opportunities immediately available.

Senior Research Biologist

This opening in the Department of Animal Industry Discovery and Biotechnology involves responsibility for planning, establishing, and executing a research program aimed at identifying immunological methods of modifying hormone activity towards enhancing animal productivity.

Applications are sought from candidates with a Ph.D. in biochemistry/endocrinology and experience in monoclonal antibody techniques, peptide immunology, and antigenic structure predication. A knowledge of protein biochemistry and the hormonal control of animal production would be an advantage, as would some experience with DNA cloning and sequencing.

Molecular Biologist

This opening in the Plant Biotechnology Group calls for an individual at the B.S. or M.S. level with research experience in molecular biology. 1-5 years’ research experience in using the basic techniques of molecular biology (DNA sequencing, genomic libraries, expression vectors, etc.) is required. Experience with plant systems is desirable, but not essential. The successful candidate will work with a Senior Research Scientist to develop and plan experiments, working on specific programs with considerable independence.

American Cyanamid offers a competitive compensation and benefits package. For prompt and confidential consideration, forward your resume, an outline of research interests, career goals and the names and addresses of three references to the Employment Office.

American Cyanamid Company
Agricultural Research Division
P.O. Box 400
Princeton, NJ 08540
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No Agencies Please
RESEARCH ASSOCIATE POSTDOCTORAL FELLOW

The Mass Spectrometry Facility of the University of California, Berkeley is seeking a uniquely qualified Ph.D. BIOCHEMIST to participate in several ongoing long-term research projects studying the carbo- merization of proteins, proteins, and related molecules. Preferred qualifications: (i) extensive experience in oligosaccharide isolation and purification, (ii) some experience in the use of gas chromatography/mass spec- trometry for complex carbohydrates, (iii) strong interest in development of advanced high mass spectrometry for study of intact oligomers. Salary will be competitive with applicant's qualifications and experi- ence.

Send curriculum vitae and three letters of recommen- dation to: Professor Susan J. Fisher and Professor A. L. Burlingame
Department of Chemistry
University of California, Berkeley
Berkeley, CA 94720.

RESEARCH ASSOCIATE IN PHARMACOLOGY

Applications are invited from individuals with hands- on experience in the use of modern analytical techniques to participate in an active program in design and evaluation of formyI peptide chemostaticants. Specific experience in the area of molecular graphics of peptides and peptide analogues is preferred. Starting date will be in late April. Application will be accepted until 15 March 1987. Send curriculum vitae and names of three references to: Dr. Richard J. Freer, Department of Pharmacology and Toxicology, Box 524, Medical College of Virginia, Richmond, VA 23298. Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

RESEARCH FELLOW: Resources for the Future (RFF) seeks fellow to join new Climate Resources program. Candidate selected will participate in planning and implementation of project research aimed at develop- ment of policies that modify the biosynthesis, storage and release of opioid peptides. Experience in neuroscience, biochemical pharmacology, and behavioral pharmacology is desir- able. Salary: $22,000 per annum, plus benefits. Send curriculum vitae and references to: Dr. Charles E. Estabrook, Department of Pharmacology, Cornell Uni- versity Medical College, 1300 York Avenue, New York, NY 10021. Equal Opportunity Employer.

RESEARCH FELLOW: Resources for the Future (RFF) seeks fellow to join new Climate Resources program. Candidate selected will participate in planning and implementation of project research aimed at develop- ment of policies that modify the biosynthesis, storage and release of opioid peptides. Experience in neuroscience, biochemical pharmacology, and behavioral pharmacology is desir- able. Salary: $22,000 per annum, plus benefits. Send curriculum vitae and references to: Dr. Charles E. Estabrook, Department of Pharmacology, Cornell Uni- versity Medical College, 1300 York Avenue, New York, NY 10021. Equal Opportunity Employer.

RESEARCH SCIENTIST

Norden Laboratories, a subsidiary of SmithKline Beckman Corporation and leader in the animal health industry, has a position available in our biological re- search area. This is a unique opportunity to conduct and evaluate the production and characterization of monoclonal antibodies and maintain hybridoma cell lines. You must have an M.S. in biology/microbiology plus 1 year of proven experience in monoclonal antibody production, specifically immunoassays, Western blot analysis, and HPLC and column chromatography.

Norden offers an excellent benefit program including life, health and LTD insurance; merit programs, savings plans, longevity and retirement plans. Individuals interested in this professional opportunity, send résumé and salary requirements (in confidence) to Connie Souc- e at: Norden Laboratories, Inc., P.O. Box 80809, Lincoln, NE 68501.

1. The Radiation Biochemistry Department at the Armed Forces Radiobiology Research Institute (AFRRI) is a command of the Defense Nuclear Agency (DNA). The AFRRI positions are to fill the position of SUPERVISORY RESEARCH BIOLO- GIST/SUPERVISORY RESEARCH CHEMIST (CHAIRMAN RADIATION BIOCHEMISTRY DEPARTMENT). This position is responsible for a broad area of research related to elucidating and modifying the fundamental biochemical mechanisms of radia- tion-induced cell injury and death. This program utilizes a broad spectrum of multidisciplinary approaches including chemistry, biochemistry, molecular biology, and recombinant DNA methodology. As Chairman, Radio- tion Biochemistry Department, responsible for adminis- trative and technical supervision of approximately 50 FTE employees, the candidate is expected to have experience in biochemistry and cellular radiotherapy as evidenced by a strong publication record and relevant professional activities. The Supervisor Research Biologist/Research Bio-chemist position is permanent and is available immediately. The current salary range is $52,000 to $67,900 (Reference MSWA 129/88). To apply for this position, send a complete resume and salary history to: The Radiation Biochemistry Department, Armed Forces Radiobiology Research Institute, 11600 Rockville Pike, Rockville, MD 20852. Applications will be accepted until February 15, 1988. Women and minorities are encouraged to apply.

DEAN OF PHARMACY

THE PHILADELPHIA COLLEGE OF PHARMACY, established in 1821 as the first college of pharmaceutical education in the United States, invites applications for the position of Dean of Pharmacy. Applicants must have at least a Ph.D. in pharmacy, a minimum of ten years experience in a professional pharmacy, and a record of achievement in professional pharmacy. The College seeks applications from candidates who have a record of achievement in teaching, research, professional service, and service on national pharmacy boards. The position is available immediately. Applications should be sent to: Chairman, Search Committee, Philadelphia College of Pharmacy and Science, Woodland Ave. at 43rd St., Philadelphia, PA 19104.

PCPS is an Affirmative Action Equal Opportunity Institution.
FACULTY POSITIONS AVAILABLE (2)

BIOLOGICAL SCIENCES

THE PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE invites applications for two tenure track positions at the Assistant Professor level beginning August 15, 1987.

MOLECULAR GENETICIST—The successful candidate will participate in a team-taught freshman biology program, assume responsibility for a dual level course in classical and molecular genetics and develop other undergraduate courses in areas of interest. The successful candidate will also be required to demonstrate significant knowledge of polyploid organisms and participate in the development of an undergraduate program in plant biotechnology. To be considered, an applicant must have a strong interest in UNDERGRADUATE TEACHING and if hired, will be expected to develop and maintain a research program. Persons wishing to be considered must have a Ph.D. degree.

GENERAL BIOLOGIST/ANIMAL BIOLOGIST/ECOLOGIST—The successful candidate will have a major role in a team-taught freshman biology lecture/laboratory program. In addition, the selected individual will be expected to assume responsibility for undergraduate courses such as Invertebrate Zoology, Animal Behavior and Environmental Biology, and develop other courses in areas of interest. To be considered, an applicant must have a strong interest in FRESHMAN INSTRUCTION, and if hired, will be expected to develop and maintain a research program. Individuals interested in EDUCATIONAL RESEARCH, which focuses on methods for improving student understanding of biological concepts are encouraged to apply. Persons wishing to be considered must have a doctoral degree.

Applications for consideration should consist of the following: (1) a letter of application addressing the above criteria, (2) a complete resume including a current transcript, and (3) names, addresses and telephone numbers of three references. All applications must be submitted by February 28, 1987 to Dr. Gilbert L. Zink, Chairman, Department of Biological Sciences, Philadelphia College of Pharmacy and Science, 43rd Street and Kingsessing Mall, Philadelphia, PA 19104. An Equal Opportunity and Affirmative Action Employer.

LIFE SCIENCE AND COMPUTER TECHNOLOGY OPPORTUNITY

We are seeking a technically-oriented senior professional with a marketing background for the Life Science Research Systems Department of BBN Laboratories Incorporated. In addition to broad understanding of marketing to the government and wide experience in life sciences and computing technology, this senior staff member should have many of the following characteristics:

- interest in aggressive business growth and helping to build a leading contract research and systems development organization in the life sciences;
- successful record of marketing R&D contracts to both the US government and industry;
- a team player, enthusiastic about working closely with others;
- strong communication and interpersonal skills;
- self-motivated, willing to travel;
- a technical degree;
- experience with software systems;
- require unquestionable integrity and solid references.

Bolt Beranek and Newman (BBN) is a respectable R&D firm based in Cambridge, Massachusetts. We specialize in emerging technologies such as computers, data communications, Artificial Intelligence, underwater acoustics and environmental consulting.

BBN Laboratories Incorporated offers competitive salaries and an outstanding benefits package including tuition reimbursement, 3 weeks' vacation and an employee stock purchase plan. Qualified candidates should forward their resume and salary requirements to Lesley A. Sullivan, BBN Laboratories Incorporated, 10 Fawcett Street, Cambridge, MA 02238.

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BBN Laboratories Incorporated

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The fastest growing research-oriented pharmaceutical company in the U.S. has the following opening with its Corporate Headquarters located in Research Triangle Park, N.C. (near Raleigh / Durham).

RESEARCH SCIENTIST

Qualified candidate will be responsible for:

- Establishing and supervising a highly visible biochemical laboratory to study drug receptor interactions.
- Developing and establishing various receptor-ligand binding methods for drug receptor classification (i.e. adrenergic, cholinergic, opioids, etc.)
- Investigating the biochemical properties of various agents against selective receptors in order to identify possible therapeutic applications.

Background should include an MS in Life or Physical Sciences or equivalent theoretical depth, with 4-5 years experience in membrane receptor-ligand binding, drug-receptor kinetics, radioimmunoassay, and analytical/preparative biochemistry. Candidate must possess excellent communication, managerial and supervisory skills.

Your abilities and potential will be recognized with a competitive starting salary and benefits package. Our location offers a mild climate year round, access to some of the finest universities in the country, numerous cultural activities and nearby recreational facilities. For prompt consideration, please forward your resume, including salary history, to:

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DIABETES RESEARCH
Senior Scientist

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 Sandoz Research Institute is currently seeking an experienced Physiologist to play a vital role in diabetes research. Our position offers a unique opportunity for an innovative, self-motivated, independent scientist to develop models of chronic hyperglycemia. The successful candidate will work closely with interdisciplinary research teams of molecular biologists, biochemists and cell physiologists. Responsibilities will initially include supervision of a laboratory and at least one research scientist.

The requirements of the position include:
- Ph.D. or equivalent in physiology or related discipline.
- Experience with small animal infusion or animal modeling.
- Record of significant publications in major scientific journals.

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 respond to Job #329 and forward your resume with salary requirements in confidence to:

Joseph P. Castellano
Director of Human Resources
SANDOZ RESEARCH INSTITUTE
SANDOZ PHARMACEUTICALS CORPORATION
East Hanover, New Jersey 07936
An Equal Opportunity Employer M/F

ASSISTANT PROFESSOR
OF BIOCHEMISTRY

For this appointment in Biochemistry, we seek an individual who can develop an independent research program in some aspect of molecular biology (e.g., regulation of gene expression or application of DNA/protein sequencing or recombinant DNA technology in areas such as endocrinology, neurobiology or membranes). This is a tenure-track, state funded position with a competitive salary. Start-up funds and funds for major investment in new technologies are available. Minimum requirements are a Ph.D. with postdoctoral experience and the ability to develop a grant-supported research program, competence and interest in teaching medical and graduate students is important.

Send a copy of c.v., names of three references and a one to two page research proposal to: Dr. Alfred Strachar, Chairman, Department of Biochemistry, Box 8, State University of New York, Health Science Center at Brooklyn, 450 Clarkson Ave., Bklyn, NY 11203.

State University of New York
HEALTH SCIENCE CENTER
AT BROOKLYN
EO/AA Employer. DMC #C-0053

HOFFMANN-LA ROCHE

Sr. Scientist
Obesity Research

Hoffmann-La Roche, an established leader in the pharmaceutical and health care industry, has an excellent opportunity for a PhD cell biologist/biochemist in exploratory research.

The department of Neurobiology and Obesity Research is seeking a creative Senior Scientist who will be responsible for initiating a basic and applied research program utilizing cell culture and isolated cell models to identify and study therapeutics for use in obesity.

The successful candidate will have demonstrated a strong desire to participate in model development and drug discovery.

Qualifications include a PhD in cell biology, biochemistry or pharmacology and 2 years postdoctoral training with relevant experience in cell culture technology. A working knowledge of the biochemistry of receptor-ligand interaction and receptor-messenger coupling is essential. Experience in the areas of lipid and carbohydrate metabolism is desirable, while knowledge of the regulation of protein synthesis would be helpful. Record of publication and strong communication skills are required.

Roche offers a professional environment and an attractive compensation package. Please send resume and publication list to: Position JT, c/o Mrs. Eleanor M. Malone, Professional Employment & Staffing Specialist.

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TOXICOLOGY
PHARMACEUTICAL RESEARCH

Continued expansion at the Warner-Lambert/Parke-Davis Pharmaceutical Research Division has created immediate opportunities for several types of toxicologists to join a dynamic team of scientists in our Pathology and Experimental Toxicology Department. These opportunities are located in our new 90,000 square foot toxicology laboratory in Ann Arbor, adjacent to The University of Michigan.

General Toxicologist(s)
The responsibilities for these positions include the planning, design and execution of a variety of toxicity studies designed for safety evaluation in preclinical studies. Duties also will include summarization and interpretation of toxicology preclinical data, supervision of technical staff and representation of the department on Research Division planning/project teams.

Requirements for these positions include a Ph.D. in Toxicology or related field and 0-2 years industry experience.

Veterinarians
The responsibilities of this position are the same as for the general toxicologist with the addition of laboratory animal veterinary responsibilities.

Requirements include a D.V.M. degree and a minimum of one year postdoctoral experience or equivalent in laboratory animal medicine.

Veterinary Pathologist(s)
The responsibilities for these positions include the design, conduct and reporting of a variety of toxicology studies with emphasis on the clinical and anatomical evaluation of animals used in studies to determine the safety of new drug candidates.

Requirements for these positions include a D.V.M. degree and board certification in veterinary pathology (ACVP). Industrial experience is desirable; but not required.

Reproductive Toxicologist(s)
The responsibilities of this position include the design, execution and analysis of studies to determine influence of new drug candidates on the embryo and fetus. Supervision of technical staff is an integral part of the positions—will work both independently and as a part of project/planning teams.

Requirements include a Ph.D. in Reproductive Biology or closely allied field (anatomy, embryology), 1-3 years postdoctoral experience in reproductive toxicology, knowledge of GLPs, experience in maintenance of animal colonies, embryo culture techniques, and in animal care and handling.

Safety Assessment-Regulatory Toxicologist
The responsibilities of this position include the supervision of the compilation and presentation of verbal and written communiques associated with requirements of domestic and international regulatory affairs and GLPs; participation in department research as study director for in-house research and monitor of studies contracted outside; participation on Research Division project/planning teams; and the preparation of department position documents.

Requirements include a Ph.D. in toxicology or related field and 0-2 years experience in regulatory processes.

Clinical Chemist
The responsibilities of the position include the development and implementation of advanced methods in clinical chemistry for the evaluation of drug safety in animal toxicity studies of Phase I clinical trials in man and establishing methods to evaluate possible drug interference in routine assays.

Requirements include a Ph.D. in Clinical Chemistry or related field, 1-2 years postdoctoral training, experience in clinical chemistry instrumentation and statistics and excellent communication skills.

We invite qualified applicants to consider a position at WL with excellent compensation, benefits, professional development, and living and working environment.

WL representatives will be recruiting at the Society of Toxicology meeting Feb. 24-27. We would like to review resumes in advance of the meeting in order to schedule appointments. Please indicate for which position you are applying. Mail material to:

Ms. M. Wolin
Warner-Lambert/Parke-Davis
2800 Plymouth Rd. • Ann Arbor, MI 48105

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DEPARTMENT OF AGRICULTURE (USDA) AGRICULTURAL RESEARCH SERVICE (ARS)

ARS is seeking a RESEARCH LEADER/AVIAN IMMUNOLOGIST, at the Southeast Poultry Research Laboratory, Athens, Georgia. Position (GM-12115, $35,727 to $60,976) to plan and conduct research, supervising teams of scientists in investigating the immune responses of chickens to the viral diseases. The position provides an excellent opportunity to lead a research group in well-equipped laboratories and animal facilities. Knowledge and experience in both T- and B-cell immune response research is essential to this position. Must be a U.S. citizen. Must have a Ph.D. in veterinary medicine or equivalent. Dr. G. F. W. Mylne, P.O. Box 10, Athens, Georgia 30602. Response by March 31, 1987.

DEPARTMENT OF AGRICULTURE (USDA) AGRICULTURAL RESEARCH SERVICE (ARS)

ARS is seeking a RESEARCH VETERINARIAN/MICROBIOLOGIST at the Southeast Poultry Research Laboratory, Athens, Georgia. Position (GS-11/12, $27,172 to $50,346) to plan and conduct research on salmonella colonization in chickens in excellent laboratory and animal facilities. Knowledge and research experience in enteric bacteriology. Salary is commensurate with experience. Must be a U.S. citizen. Must have a Ph.D. and/or M.D. degree, or equivalent, and a strong record of scholarship and research including postdoctoral experience, and the ability to participate in the training of graduate, graduate and medical students. We wish to appoint someone with a background in the application of NMR to macromolecules and a record of research is strongly desirable. Applicants should send three letters of recommendation to: Dr. M. A. Cataneo, Department of Biochemistry, University of Arizona, Tucson, AZ 85721. Applications will be reviewed beginning 1 March 1987 but the position will be open until filled. The University of Arizona is and Equal Opportunity Employer and applications from female and minority group members are strongly encouraged.

VICE CHANCELLOR FOR RESEARCH AND DEAN OF THE GRADUATE SCHOOL UNIVERSITY OF ALASKA—FAIRBANKS (UAF)

The Vice Chancellor, under the general guidance of the Chancellor, is responsible for providing overall leadership, coordination, and direction to UAF research and scholarly activities, and for the center for organized research within the University of Alaska system. Additionally, the Vice Chancellor has responsibilities for assessing, organizing, and evaluating graduate programs in concert with the Graduate Council. Qualifications include a Ph.D. or equivalent, record of scholarly achievement as evidenced by publication record, understanding of basic and applied research, and success in obtaining sponsored research funding. Experience in the management of a research/academic unit is desirable. Send nominations or applications to: Dean James V. Drew, Chairman Search Committee 305 S Jacqueline Hall University of Alaska—Fairbanks Fairbanks, AK 99775 Telephone: 907-747-7188 Applications should include a letter of application, resume, and at least three references. Closing date: 31 March 1987. The University is an Equal Opportunity/ Affirmative Action Employer and Educational Institution.

VISION RESEARCH ASSISTANT

Exciting job combines clinical and basic science work. ERGs, fEPs, infant VEPs, brain localization studies. BA/BS; 1 year plus experience in electrophysiology required. Candidate should enjoy challenge, be innovative and independent. Top pay, excellent benefits. Send resume and names of references to: R. Srebro, M.D., University of Texas Health Science Center, 5323 Harry Hines Boulevard, Dallas, TX 75235, or telephone: 214-688-3846, 3826. An Equal Opportunity Employer.

DEPARTMENT OF AGRICULTURE (USDA) AGRICULTURAL RESEARCH SERVICE (ARS)

ARS is seeking a RESEARCHER, sponsored by the Department of Pharmacology invites applications from individuals with at least 2 years of productive postdoctoral experience and demonstrated expertise in the application of molecular biology techniques to the study of ionizing radiation. The successful candidate will initially participate in ongoing research and it is expected that in the future will be able to undertake his/her own research. Candidates must be U.S. citizens or have permanent residence status. Applicants should send letter with description of research background and interests, curriculum vitae, including list of publications, and the names and addresses of three references, by 1 April 1987, to: Dr. Jose M. Muscaschio, Professor and Acting Chairman, Department of Pharmacology, New York University (NYU) Medical Center, 550 First Avenue, New York, NY 10016. NTU is an Affirmative Action/Equal Opportunity Employer.

The Department of Biochemistry, University of Arizona, invites applications for two tenure-track positions in the area of NMR spectroscopy (rank open). Candidates should have a Ph.D. and/or M.D. degree, or equivalent, and a strong record of scholarship and research including postdoctoral experience, and the ability to participate in the training of graduate, graduate and medical students. We wish to appoint someone with a background in the application of NMR to macromolecules and a record of research is strongly desirable. Applicants should send three letters of recommendation to: Dr. M. A. Cataneo, Department of Biochemistry, University of Arizona, Tucson, AZ 85721. Applications will be reviewed beginning 1 March 1987 but the position will be open until filled. The University of Arizona is and Equal Opportunity Employer and applications from female and minority group members are strongly encouraged.

COURSES

UNIVERSITY OF ABERDEEN M.Sc in HUMAN METABOLISM AND NUTRITION (Research and Experimental Methods) Applications are invited for a 12-month full-time postgraduate course leading to the degree of M.Sc. in Human Metabolism and Nutrition. The course is offered by the University of Aberdeen in conjunction with the Rowett Research Institute and the Gordon Institute of Technology. The course provides systematic instruction and practical experience in techniques relevant to the study of human metabolism and nutrition in health and disease. Candidates will undertake an original research project of 5 months' duration. The course is designed for graduates in medicine or the biomedical sciences, or for others with comparable qualifications who wish to be trained for a career in which a critical and innovative approach to human nutrition is important. For further details and application write to: Dr. C. E. Casey, Department of Medicine and Therapeutics, University of Aberdeen, Foresterth, Aberdeen AB9 2DD, U.K.

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MOLECULAR BIOLOGIST

Abbott Laboratories combines strong business and operational planning with a long tradition of innovation in new product development for the healthcare industry. Recognized as one of the five best managed companies in the nation for 1986 by Dun's Business Month, we offer intelligent corporate support along with a superior scientific environment. We now seek an individual for our Corporate Molecular Biology Group to help further our research aims.

The selected candidate will provide an important resource, performing experiments using cDNA synthesis and DNA cloning technologies. We require an MS with background in DNA cloning technologies. 1-2 years experience in the laboratory and in cDNA synthesis are preferred.

A $3.3 billion leader, we offer an excellent salary and benefits package including profit sharing and stock retirement plan. We are headquartered in an attractive suburban location just 30 miles north of Chicago on the Lake Michigan shoreline. For confidential consideration, send resume with salary history to: Stephanie Mondello/Corporate Placement, Dept. S/2-6. An Affirmative Action Employer.

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CURRENT DISTRIBUTION 160,000

Senior Pharmacologist

Alterations of Ion Movements in Hypertension

The Squibb Institute for Medical Research, a recognized leader in the research and development of novel therapeutic agents, has an exciting opportunity available in the Department of Pharmacology. Primary responsibilities will include the conception and implementation of test systems for the evaluation of the effects of new antihypertensive agents on cell membrane ion movements. Extensive knowledge of patch clamp techniques as well as expertise in the measurement of ion fluxes are essential. The selected candidate will participate in collaborative research with other scientists, supervise technical staff, and effectively communicate experimental results in oral and written forms. Qualifications for this position include a Ph.D. in Pharmacology/Physiology or equivalent and at least 2-3 years of relevant postdoctoral experience.

The Squibb Institute, located in Princeton, NJ, a pleasant semi-rural setting convenient to both Philadelphia and New York, supports innovative research and encourages continued publication of results in scientific journals and attendance at scientific meetings. Qualified candidates should submit their C.V. in confidence to the Squibb Institute for Medical Research, Human Resources Department 403B, Princeton, NJ 08543-4000. An equal opportunity employer.
TRAINING PROGRAM

GRADUATE TRAINING PROGRAM IN THE BASIC MEDICAL SCIENCES

The University of South Alabama College of Medicine offers a program leading to the Ph.D. degree in anatomy, biochemistry, microbiology, pharmacology, and physiology. All students receive a tuition waiver and a $6000 per year stipend. A core curriculum, in-depth research training is provided in a discipline and laboratory selected by the student. Interested candidates are invited to apply to: Dr. Edwin R. Hughes, Director, University of South Alabama, Mobile, AL 36688; telephone: 205-460-6153.

SYMPOSIUM

BIOMEDICAL IMPORTANCE OF MARINE ORGANISMS

Third Biennial Symposium of the California Academy of Sciences, San Francisco, 30 April to 2 May 1987

TOPICS TO BE COVERED

BIOLOGICAL PERSPECTIVES: Concerns of taxonomists. Approaches to exploring for biologically active compounds.

CHEMICAL PERSPECTIVES: Isolation of novel bioactive compounds. Phytochemical patterns in biologically active compounds.


PHARMACEUTICAL PERSPECTIVES: Resources for obtaining marine natural products in quantity; Prospects for the future.

Agenda and registration materials are available from: Symposium, California Academy of Sciences, Golden Gate Park, San Francisco, CA 94118. Registration fees: $25 (students), $60 (members of the California Academy of Sciences), $75 (others).

WORKSHOP

WORKSHOP ON THE MATRIX OF BIOLOGICAL INFORMATION

July 13 - August 14, 1987

Data Banks, AI, Computers and Macromolecules -- applied to Cellular Biology to explore the interface of Informatics and Biological Theory

For more information write to: Ginger Richardson Santa Fe Institute P.O. Box 9020 Santa Fe, NM 87504-9020

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS

Department of

Cellular and Developmental Biology

Organismic and Evolutionary Biology

Harvard University

A limited number of postdoctoral research positions become available from time to time. Some appointments are funded through research grants awarded to faculty members and others are available for 1 year, sometimes renewable. Other appointments are possible through postdoctoral fellowships. For a list of faculty members who have postdoctoral positions available, write to the respective department office: Harvard University, 16 Divinity Avenue, Cambridge, MA 02138. (Do not send applications.) Harvard University is an Equal Opportunity/Affirmative Action Employer.

RESEARCH GRANTS

THE WILLS FOUNDATION is interested in funding research grants and postdoctoral fellowships in Huntington's disease. The foundation makes awards of up to $25,000 for up to 1 year with renewal possible. 1 March 1987 preapplication deadline. Contact: P.O. Box 27834, Houston, TX 77227-7834; telephone: 713-968-9043.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP

POSTDOCTORAL FELLOWSHIP - MCM-1

Applicants are invited to apply for a postdoctoral fellowship in mouse genetics at the National Institute of Environmental Health Sciences. The fellowship provides a stipend of $20,000 per year for 2 years. The fellowship is open to all scientists who have received their Ph.D. degree within the past 5 years. Applicants should have a strong background in genetics and a strong interest in mouse genetics. Applications are being accepted on a continuous basis. Interested individuals should apply as soon as possible. Applications should include a curriculum vitae, a statement of proposed research, and three letters of reference from former advisors. Applications should be submitted to: Dr. John F. S. Kirk, National Institute of Environmental Health Sciences, P.O. Box 12233, Research Triangle Park, NC 27709. The fellowship is funded by the National Institute of Environmental Health Sciences, a component of the National Institutes of Health, U.S. Department of Health and Human Services. Applications will be reviewed on a continuous basis until the fellowship is filled. The fellowship is subject to the availability of funds.

RESEARCH FELLOWSHIPS IN CARIOVASCULAR DISEASES

The Department of Pharmacology at the University of Texas Health Science Center, San Antonio, Texas, has available postdoctoral fellowships in experimental cardiovascular research. Positions are available immediately and are available each year. The positions require a Ph.D. degree in pharmacology or a closely related field. Applications are invited from qualified persons with research interests in experimental cardiovascular research and clinical cardiology. Applicants should have strong research training and experience in cardiovascular research. The selected candidates will be expected to participate in the research activities of the Department of Pharmacology. The clinical cardiology fellowship requires a commitment to both clinical and research activities. Candidates interested in this fellowship should apply by sending a curriculum vitae and three letters of recommendation to: Dr. H. T. Bishop, Department of Pharmacology, University of Texas Health Science Center, San Antonio, TX 78229. Applications should be received by September 1, 1987.

TERMINAL TRANSFERS

Talbot Biocatalysts Ltd. is pleased to announce the availability of erythropoietin, recombinant human erythropoietin. This product is available in high purity and is suitable for use in a wide range of applications. For more information, please contact: Talbot Biocatalysts Ltd., 565 Boylston Street, Boston, MA 02116.

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TRAVEL FELLOWSHIPS

There are a limited number of travel fellowships available for scientists attending the INSERM/CYTOGEN Conference on Cytoskeleton. The conference will be held in Paris, France, on 3 to 5 June 1987. For more information contact:

Carol Peevy
Cytogen Corporation
201 College Road East
Princeton, NJ 08540
Telephone: 609-987-8232

MARKETPLACE

IMMUNODIAGNOSTICS

MONOCLONAL ANTIBODIES

We are an internationally established biotechnology company and are rapidly expanding our antibody business. As part of this growth we will increase our range of immunodiagnostic products and therefore wish to acquire supplies of high affinity monoclonal antibodies for the microbial antigens: Nesseria gonorrhoeae, Chlamydia trachomatis, Campylobacter, Streptococci, and for the human antibodies: hsc. Lh, Fsh, Prolactin, Tsh, T3, T4.

Please reply BOX 7, SCIENCE.
INTERNATIONAL RESEARCH FELLOWSHIP OPPORTUNITIES
for U.S. and Foreign Postdoctoral Scientists

*SENIOR INTERNATIONAL FELLOWSHIPS

These fellowships offer opportunities to U.S. biomedical, behavioral, or health scientists to conduct research in a foreign institution. The program is for scientists who have established themselves in their chosen career in the United States and whose professional stature is well-recognized by their peers and institutional officials.

The purpose of this program is to enhance the exchange of ideas and information about the latest advances in the health sciences, both basic and clinical, and to permit U.S. scientists to participate abroad in ongoing study or research in the health sciences.

Fellowships are awarded for a period of 3 to 12 months and provide stipend, travel, and living allowance.

*INTERNATIONAL RESEARCH FELLOWSHIPS

These fellowships offer opportunities to foreign scientists in the formative stage of their research career to extend their research experience in a U.S. laboratory. Selections are first made by the Nominating Committee in a participating country or region. Over 50 countries or regions in the Americas, Africa, Asia and the Far East, Australia, Europe and New Zealand participate in the program.

The purpose of this program is to forge relationships between distinguished scientists in the United States and qualified scientists in other countries in order to solve health-related problems of mutual interest.

Fellowships are awarded for a minimum of 12 months and provide stipend, travel, and institutional allowance.

*FOREIGN-SUPPORTED FELLOWSHIPS

These fellowships for U.S. scientists are supported by specific foreign countries. They provide opportunities for scientists to conduct collaborative research in the country that provides funding.

The purpose of this program is to enhance the exchange of research experience and information in the biomedical, behavioral, and health sciences. The maximum period of support for all programs is 1 year and the minimum period of support varies with each program.

Participating countries are: FINLAND, FRANCE (CNRS and INSERM), FEDERAL REPUBLIC OF GERMANY, IRELAND, ISRAEL, NORWAY, SWEDEN, SWITZERLAND, and TAIWAN.

**HEALTH SCIENTIST EXCHANGES

These fellowships for U.S. scientists support short-term (2-12 weeks) visits to BULGARIA, HUNGARY, POLAND, ROMANIA, YUGOSLAVIA, or the SOVIET UNION.

The purpose of this program is to conduct collaborative activities in one of the health sciences or the health-related fields that are of mutual benefit to the United States and the participating country. Priority is given to visits designed to strengthen or expand ongoing collaborative relationships or to explore prospects for long-term cooperation.

The financial provisions include round-trip travel and in-country costs.

Requests for additional information should be sent to:

*International Research and Awards Branch
or
**International Coordination and Liaison Branch

Fogarty International Center
National Institutes of Health
Bethesda, Maryland 20892

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