Bristol-Myers Company presents an annual award to a scientist making an outstanding contribution in cancer research. The candidates for the award are to be nominated by medical schools, free-standing hospitals and cancer research centers.

**Award:** $50,000 U.S.

Deadline for Receipt of Nominations: **December 1, 1989**
Announcement of Award Recipient: **Spring 1990**

**Selection Committee**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tr>
<td>ALAN C. SARTORELLI, PH.D.</td>
<td>Selection Committee Chairman, Yale Comprehensive Cancer Center</td>
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<tr>
<td>ROBERT C. BAST, JR., M.D.</td>
<td>Duke Comprehensive Cancer Center</td>
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<tr>
<td>ROBERT L. COMIS, M.D.</td>
<td>Fox Chase Cancer Center</td>
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<tr>
<td>GEORGE KLEIN, M.D.</td>
<td>The Karolinska Institute</td>
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<tr>
<td>IRWIN H. KRAKOFF, M.D.</td>
<td>University of Texas M.D. Anderson Cancer Center</td>
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<tr>
<td>JOSHUA LEDERBERG, PH.D.</td>
<td>The Rockefeller University</td>
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<tr>
<td>ALBERT H. OWENS, JR., M.D.</td>
<td>The Johns Hopkins University School of Medicine</td>
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<tr>
<td>JOSEPH V. SIMONE, M.D.</td>
<td>St. Jude Children's Research Hospital</td>
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<tr>
<td>RICHARD J. STECKEL, M.D.</td>
<td>Jonsson Comprehensive Cancer Center, UCLA</td>
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<tr>
<td>HARUO SUGANO, M.D.</td>
<td>Japanese Foundation for Cancer Research</td>
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<tr>
<td>E. DONNALL THOMAS, M.D.</td>
<td>Fred Hutchinson Cancer Research Center</td>
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<tr>
<td>JAMES D. WATSON, PH.D.</td>
<td>Cold Spring Harbor Laboratory</td>
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Rules and official nomination forms are available from: Secretary, Award Committee, Bristol-Myers Award for Distinguished Achievement in Cancer Research, 345 Park Avenue, Suite 4100, New York, NY 10154, or (212) 546-5709.
PERSONNEL PLACEMENT

SCIENCE publishes each Friday, except the last Friday of the year and on holidays, without charge. All advertisements must be in English. Advertisements must be accompanied by a statement whether the advertised position is intended for men or women. Advertising rates are available upon request. No abbreviations. All positions listed in classified ads are available only to individuals seeking jobs.

LINE CLASSIFIED ADVERTISING DEADLINES:
Thursday, 10 a.m. 2 weeks prior to issue date (mailed on issue date). For deadlines for display advertising, please contact Schenker Associates.

POSITIONS WANTED:
40¢ per word, plus $4 for use of box number, per week. $10 minimum, per week. Prepayment in U.S. funds is required. This rate is available only to individuals seeking jobs.

LINE CLASSIFIED (POSITIONS OPEN, COURSES, FELLOWSHIP, MARKETPLACE, and so forth) $40.00 per line. $400 minimum, per week (minimum charge of 10 lines on a single column; one inch equals 10 lines of 52 characters and spaces per line). No ex post facto orders. No agency commissions for ads less than 4 inches. No cash discount. Payment required for all foreign ads. Purchase orders required for all other advertising.

To ESTIMATE ad cost:
Subtract &0.04 for each character or $0.40 for each line. Subtract $0.40 for each line of 52 characters and spaces, and all partial lines (including centered reply information) are counted as full lines. Ad titles located within the text are printed in boldface type and are 32 characters per line. In estimating the cost, multiply total lines by $0.40 = approximate cost of ad. (This is an approximate cost ONLY. Allow for variation between estimated lines and actual lines typed and the resulting final cost. Purchase orders must allow for some additional cost for setting and adjusting.)

CANCELLATION POLICY:
NOTE: Ad cancellations made after Thursday, two weeks prior to issue date incur a 10% production charge. Final deadline for cancellations is 12 p.m. Tuesday, one week prior to issue date. Cancellations must be in writing.

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

Telephone: 202-326-6555

Send copy for fractional display ads, 1/6 page and larger, and all Marketplace ads to:

Schenker Associates, Inc.
1515 Broadway
New York, NY 10036
Telephone: 212-750-1050

Blind ad replies should be addressed as follows:

Box (give number)

SCIENCE
1333 H Street, NW
Washington, DC 20005

POSITIONS WANTED

Biophysicist, Molecular Spectroscopist, Ph.D. Extensive research experience in field of lipid-protein interaction and cell biology; professional experience in NMR, ESR, FTIR, UV, DSC, HPLC, electrophoresis, protein chemistry; good publication record, seeking position in industry. R.C. Box 138, SCIENCE.

Food Polymers—Chemist, Ph.D. with successful record of technical problem research in applied research, process development (extrusion) and ingredient functionality enhancement with a major consumer products manufacturer. Expertise in ingredient value addition; grain fiber (SDF/TDF), starches, surfactants and stabilizers. Technical manager of cash-by-product utilization program. Delivered novel ingredient recipes and prototypes for clinical studies. Skilled in thermal analysis and NMR methodologies. Seeks opportunity for technical level. R.C. Box 124, SCIENCE.

Chemist, Biochemist, Physiological Sciences, Ph.D., M.D. extensive teaching and research experience in basic biochemistry, cancer, instrumentation; visible UV, infrared, TLC, GC, electrophoresis, fluorometry; government academic/hospital. Box 354, Rochester Park, N.J. 07662.

Immunologist, M.S. seeks research and development position based in a biotechnology company. Five years of experience in monoclonal antibody production and characterization, immunosassay development, biochemical techniques and in-vitro tumor xenograft studies. Laboratory management/teaching background with computer data base/graphical analysis experience. Publications and references available upon request. Box 142, SCIENCE.

Microbiologist, Ph.D. with postdoctoral experience in enzyme purification methods and product development/clinical microbiology; seeks position in biotechnology company. Box 125, SCIENCE.

ANATOMY AND CELL BIOLOGY

A tenure-track position is available at the ASSISTANT OR ASSOCIATE PROFESSOR level in the Department of Animal and Cell Biology, University of Virginia. The department stresses research, and candidates are expected to maintain independent programs of investigation in areas relevant to mammalian reproductive, and developmental biology. Opportunities for interaction with interdisciplinary programs include neurobiology, development, cancer, and diabetes. Medical school teaching responsibilities are in gross anatomy. Interested persons should send their curriculum vitae and the names of three references to: Professor R. Blum, Chair, Department of Animal and Cell Biology, Box 439, University of Virginia Health Sciences Center, Charlottesville, VA 22908. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

The Department of Veterinary Biomedical Sciences, University of Missouri-Columbia, is accepting applications for a tenure-track assistant professor position with teaching responsibilities in histology-cell morphology. Qualifications include D.V.M. and/or Ph.D. or equivalent, funded research or exceptional potential in biomedical research, and capability to teach macroscopic anatomy to graduate and veterinary students. This multidisciplinary department focuses on: circulation research ranging from molecular to whole animal models; endocrinology-reproductive biology; toxicology; and neuroscience. Preference will be placed on expanding the department's present areas of expertise (e.g., endocrinology-reproductive biology; toxicology). Applications should include curriculum vitae, names of four references, a letter stating professional goals to: Dr. Charles J. Flickinger, Department of Anatomy and Cell Biology, Box 439, University of Missouri Health Sciences Center, University of Missouri-Columbia, MO 65211. The University of Missouri is an Equal Opportunity Employer.

University of Maryland at College Park. The Department of Chemistry and Biochemistry invites applications for two tenure-track faculty positions in the general area of biochemistry at the level of ASSISTANT PROFESSOR. Exceptional candidates at the senior level will also be considered. One position is to be a joint appointment with the University of Maryland Center for Agricultural Biotechnology. Outstanding candidates in all areas of biochemistry will be considered. Applicants for the joint appointment must have strong research interests in the areas of protein chemistry, protein structure and protein function. Review of applications will begin on December 1, 1988. Applications from qualified women and minority candidates are especially encouraged to apply. Send curriculum vitae, publications, and names of three references to: Dr. John A. Blackwood, Department of Chemistry and Biochemistry, University of Maryland, College Park, MD 20742.

HARVARD UNIVERSITY

ASSISTANT PROFESSOR

CELLULAR AND DEVELOPMENTAL BIOLOGY

The Department of Cellular and Developmental Biology intends to make an appointment at the assistant professor level effective September 1991. Our department covers a broad range of topics in cellular biology, developmental biology, neurobiology, and molecular genetics. We are seeking outstanding candidates in any of these fields. We are particularly interested in making an appointment in the areas of:

vertebrate development
plant cell biology
moleculat biology.

However, we will consider exceptional applicants in other fields as well. We strongly encourage applications from underrepresented groups. Applications should include curriculum vitae, reprints of publications, and a statement of research and future research plans. Complete applications and three letters of recommendation should be received by the applicant, should be received no later than 1 October 1989.

CDB Search Committee
Cellular and Developmental Biology
Harvard University
16 Divinity Avenue
Cambridge, MA 02138
Telephone: 617-495-2327
Harvard University is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

MOLECULAR BIOLOGY

Applicants are invited for a tenure-track position in the area of molecular biology. We are seeking candidates with expertise in DNA and protein/DNA work, preferably in bacterial and mammalian systems. Excellent candidates in other areas of molecular biology will be considered. The successful candidate will be expected to develop an independent research program and be involved in teaching of graduate students. Interested individuals should send curriculum vitae, reprints of publications, and a statement of research interests and future research interests, and the names and addresses of three references to: Dr. Louise Prakash, Department of Molecular and Cell Biology, Department of Biophysics, University of Rochester School of Medicine, Rochester, NY 14642. An Equal Opportunity Employer. (CDB)

Harvard University: The Department of Psychology anticipates making three to four assistant professor or associate professor positions open (initially for a 5-year term) in any area of psychology, but particularly in personality and social psychology. Applications should include a current curriculum vitae, a concise statement of research plans and objectives, and arrange for three letters of reference to be sent by 1 October 1989 to: Dr. Richard N. Armstrong, Chairman, Psychology Search Committee, Department of Psychology, University of Rochester, Rochester, NY 14627. Closing date is 1 November 1989. Application from women and minorities are especially welcome. Harvard University is an Equal Opportunity Employer.

ASSISTANT PROFESSOR—BIOLOGICAL OCEANOGRAPHER

The Department of Marine Sciences at Mercer University, invites applications for an assistant professor position in biological oceanography, effective 1 September 1990. The successful candidate is expected to establish a vigorous research program, advise and support graduate students (M.S. and Ph.D.) and teach at the undergraduate and graduate levels. Applicants should have a Ph.D. in oceanography/marine sciences with expertise in coastal, process-oriented, and/or deep-sea column research. Send summary of research interests and publications, three letters of reference, and the names of three references to: Professor R. B. Whittaker, Department of Marine Sciences, Mercer University, P.O. Box 4586, Campus Station, Groton, CT 06340. Closing date for applications is 1 November 1989. The University of Connecticut is an Equal Opportunity Employer (Search #0423).
ASSISTANT PROFESSOR
MOLECULAR BIOLOGIST
UNIVERSITY OF ILLINOIS AT CHICAGO

The Laboratory for Molecular Biology of the Department of Biochemistry and Biophysics invites applications for a tenure-track faculty position at the level of assistant professor to begin September, 1990. The Laboratory is interested in candidates for its strong endocrinology and genetics research group. Outstanding candidates with promising research programs utilizing molecular and/or genetic approaches, and with a strong interest in problems of cancer, reproduction and development, will be considered. Considered are expected to have a Ph.D. or M.D. degree with postdoctoral experience, and to provide evidence that they can pursue a vigorous, independent research program, and contribute to the Department's teaching program. Apply before 1 November, 1989, by sending curriculum vitae, description of research interests, and names of at least three references to: Molecular Biology Search Committee c/o Dr. Sidney B. Simpson, Jr., Head, Department of Biological Sciences (M/C 066), University of Illinois at Chicago, Chicago, IL 60680. UIC is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR (TENURE-TRACK)
Qualifications: Ph.D. in the biological sciences (cell biology/cell physiology). Some teaching experience and evidence of potential for excellence in research and education is desired. The applicant will include teaching: cell biology, portions of a biotechnology program and a course in his/her area of expertise. Excellent communication skills are desirable. The successful applicant will be expected to develop a funded research program. There are opportunities for collaborative research in the areas of aquaculture, cancer research, cardiovascular physiology, and reproductive endocrinology. Forward curriculum vitae, and have the letter of reference sent by 23 October 1989 to: Office of Faculty/Staff Relations, SUNY College at Brockport, Brockport, NY 14420. Affirmative Action/Equal Opportunity Employer.

THE UNIVERSITY OF BRITISH COLUMBIA
DEPARTMENT OF CHEMISTRY
ASSISTANT PROFESSORSHIP

The Department of Chemistry, University of British Columbia, invites applications for a tenure-track assistant professorship in experimental physical chemistry, starting 1 July 1990. Preference will be given to candidates who propose to carry out research in molecular dynamics, interactions, and molecular processes; however, outstanding candidates in related areas of experimental physical chemistry will be considered. A Ph.D. postdoctoral experience or research training is required. The successful candidate would be expected to teach chemistry courses at the undergraduate and graduate levels, and to carry out research with or without educational assistance.

The University of British Columbia offers Equal Opportunity for Employment to qualified female and male applicants. The position is subject to final budgetary approval and in accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.

Applications consisting of curriculum vitae, list of publications, summary of research interests, a detailed research proposal, and the names and addresses of at least three references should be sent to: Larry Weiler, Professor and Head, Department of Chemistry, University of British Columbia, 2036 Main Mall, Vancouver, British Columbia, Canada, V6T 1Z6. Closing date for applications will be 1 December 1989.

ASSISTANT/ASSOCIATE PROFESSORS IN MICROBIOLOGY/IMMUNOLOGY

Several tenure-track faculty positions are available to talented investigators who can establish independent, high quality research programs in molecular aspects of virology and immunology. Excellent new facilities, and attractive start-up funds available. Submit curriculum vitae, statement of research interest and list of three references to: Dr. Kuldip S. S. Sidhu, Chair, Department of Microbiology, Loyola University of Chicago, Stritch School of Medicine, 2160 South First Avenue, Maywood, IL 60153. The University of Chicago is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT ASSOCIATE PROFESSOR MOLECULAR BIOLOGY UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL (UNC-CH)

Tenure-track molecular biologist whose research efforts will be based on transgenic animal models pertinent to human diseases. The position is available immediately. Candidates are expected to have a Ph.D. or M.D. or Ph.D. plus at least 3 years of postdoctoral experience. Applications with a statement of how new position may be in a basic science or a clinical department. Generous start-up funds are available. UNC-CH is an Affirmative Action/Equal Employment Opportunity Employer. Interested candidates should send curriculum vitae, future research plans, and names of four references to: Dr. Richard C. Boucher, University of North Carolina at Chapel Hill, Pulmonary Medicine, 724 Burnett-Womack Building, CB# 7020, Chapel Hill, NC 27599.

ASSISTANT/ASSOCIATE PROFESSOR MOLECULAR BIOLOGY UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL (UNC-CH)

Tenure-track position for a molecular biologist in the UNC CF/Lung Biology Center. Areas of research interest can include but are not limited to the molecular biology of (i) cystic fibrosis, (ii) bronchitis, (iii) ion transport, (iv) lung development. An M.D. or Ph.D. plus at least 3 years of postdoctoral experience is desirable. The candidate must send curriculum vitae, future research plans, and names of four references to: Dr. Richard C. Boucher, University of North Carolina at Chapel Hill, Pulmonary Medicine, 724 Burnett-Womack Building, CB# 7020, Chapel Hill, NC 27599.

ASSISTANT/ASSOCIATE PROFESSOR, THE DEPARTMENT OF MEDICINE, UNIVERSITY OF MICHIGAN, ANN ARBOR

Tenure-track position in the Department of Medicine at the University of Michigan. Areas of research interest can include but are not limited to the molecular biology and pathology of (i) cardiovascular physiology, (ii) lung biology, (iii) retroviral biology, and/or (iv) lung development. Please send curriculum vitae, future research plans, and names of four references to: Dr. Richard C. Boucher, University of North Carolina at Chapel Hill, Pulmonary Medicine, 724 Burnett-Womack Building, CB# 7020, Chapel Hill, NC 27599.

ASSISTANT/ASSOCIATE PROFESSOR. The Department of Microbiology and Immunology of the University of Michigan Medical School seeks an immunologist for a tenure-track appointment as assistant associate professor. The successful applicant will establish an independent research program applying modern molecular/cell biological approaches to the study of the immune response. The position requires active participation in the teaching of graduate and medical students. Salary support will be available. The University of Michigan Medical School is committed to the principle of equal opportunity in employment and education for all people. Applications are invited for a tenure-track position requiring a Ph.D. in biochemistry (or its equivalent) and an equivalent degree in immunology. Position involves teaching both lower division division and general biology and teaching an advanced course in biochemistry that involves both undergraduate and graduate students. Preference given to candidates with recent research (preferably postdoctoral) and teaching experience, and hands-on experience with modern scientific instrumentation. Applications require curriculum vitae, undergraduate and graduate transcripts, a letter of recommendation, and a statement of teaching and research interests or plan. A letter of reference should be sent to: Dr. J. Latham Claffin, Immunology Search Committee Department of Microbiology and Immunology The University of Michigan Medical School M6643/0620 Medical Science Building II Ann Arbor, MI 48109. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.

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California—BIOCHEMISTRY FACULTY POSITION, California State University, Sacramento (CSUS). Applications are invited for a tenure-track position requiring a Ph.D. in biochemistry (or its equivalent) and an equivalent degree in chemistry or biochemistry. Position involves teaching both lower division division and general biology and teaching an advanced course in biochemistry that involves both undergraduate and graduate students. Preference given to candidates with recent research (preferably postdoctoral) and teaching experience, and hands-on experience with modern scientific instrumentation. Applications require curriculum vitae, undergraduate and graduate transcripts, a letter of recommendation, and a statement of teaching and research interests or plan. A letter of reference should be sent to: Dr. J. Latham Claffin, Immunology Search Committee Department of Microbiology and Immunology The University of Michigan Medical School M6643/0620 Medical Science Building II Ann Arbor, MI 48109. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.
BIOCHEMISTRY, BIOPHYSICS, AND MOLECULAR BIOLOGY
UNIVERSITY OF IOWA
COLLEGE OF MEDICINE

The Department of Biochemistry of the University of Iowa seeks highly qualified applicants for a faculty position as the ASSISTANT PROFESSOR (tenure-track) TO PROFESSOR (tenured) level. Salary will be commensurate with qualifications and experience. Support for equipping laboratories and initiating research programs will be excellent. Applicants with research in any area of biochemistry will be considered. Quality of research, not a specific research area, will be the primary criterion.

All applicants must have a relevant graduate degree (Ph.D., M.D. or both) and equivalent foreign degree. Applicants for assistant professor rank should have at least 2 years of productive postdoctoral experience and the potential to initiate and maintain a vigorous research program. Applicants for associate or full professor rank should have well-funded, ongoing research programs and significant national stature in their research areas. In addition to establishing or continuing successful research programs, faculty participate in the department teaching programs. The training of graduate students and participation in appropriate graduate programs is also expected.

Applications should include a complete curriculum vitae and a summary of future research plans. Applicants for junior faculty positions should ask three scientists familiar with their work to write letters of reference. Applicants for senior position should include the names of at least three references. Applications, nominations, and letters of reference should be sent to: Alan G. Goodridge, Professor and Head, Department of Biochemistry, College of Medicine, University of Iowa, Iowa City, IA 52242. The University of Iowa is an Affirmative Action/Equal Opportunity Employer.

CAREER OPPORTUNITIES

A RESEARCH POSITION is available immediately to study growth regulators in insects. The position is part of a program involving application of biotechnology to forest pest control. The candidate should have proven experience in recombinant DNA techniques. U.S. citizenship is required. Initial appointment will be as a postdoctoral fellow, but the possibility exists for conversion to a permanent position. Starting salary is $28,852 plus benefits. Send curriculum vitae with publication list and names of three references to: Dr. Shiv Hiremath, USDA Forest Service, 399 Main Road, Delaware, OH 43015. Telephone: 614-369-4476.

8 SEPTEMBER 1989
NATIONAL INSTITUTE ON AGING
NATIONAL INSTITUTES OF HEALTH
PUBLIC HEALTH SERVICE
DEPARTMENT OF HEALTH AND HUMAN SERVICES

NMR Spectroscopists
(2 Positions Available)

The Laboratory of Cellular and Molecular Biology at the Gerontology Research Center, National Institute on Aging, National Institutes of Health, PHS, DHHS is accepting applications for two available positions.

One position is for studies on the effect of aging on metabolic changes that occur during human exercise, as well as in in vivo studies on animals using a Bruker Biospec 1.9 T/31 cm Spectrometer. The successful applicant for this position will bear primary responsibility for in vivo NMR operations in the laboratory, will collaborate on the ongoing programs, and will initiate other studies.

The second position is for collaborative studies on the mechanisms of RNA synthesis at the active site of RNA polymerase, being investigated using a Varian XL-200 NMR spectrometer, an IBM-200-D EPR spectrometer and a variety of other techniques.

Salary dependent on qualifications.

Other NMR instruments in the area are available for use in these studies.

A letter of application with a curriculum vitae and bibliography should be submitted to:

Dr. Gunther L. Eichhorn
Chief, Laboratory of Cellular and Molecular Biology
National Institute on Aging, Intramural Research Program
4840 Eastern Avenue
Baltimore, Maryland 21224

Further information can be obtained by contacting Dr. Eichhorn at (301) 550-1807.

NICH IS AN EQUAL OPPORTUNITY EMPLOYER

RESEARCH SCIENTISTS

Triplex Pharmaceutical Corporation, a newly formed company focused on development of oligonucleotide-based therapeutic agents, has immediate employment opportunities available for highly motivated individuals on its Research and Development team.

CHEMISTRY

Director of Chemistry: Requires a PhD with minimum 5 years experience and demonstrated expertise in design and synthesis of biologically active molecules, excellent publication record and experience in directing a research group. Expertise in nucleic acid chemistry as well as industrial experience will be considered assets.

Research Associate/Post Doc: Requires PhD or MS with 3-5 years experience in nucleic acid chemistry. Special consideration will be given to those with a strong background in synthetic organic chemistry and preparative HPLC.

CELL BIOLOGY

Research Associate/Post Doc: Requires PhD or MS with 3-5 years in cell culture and cell biology. Experience in purification of RNA and DNA, cell fractionation and electrophoresis of nucleic acids and proteins is highly desirable.

Triplex offers competitive salaries and benefits as well as opportunities for publication and career growth in an exciting research program. For immediate consideration send a c.v. with names, addresses and phone numbers of three references to:

Triplex Pharmaceutical Corporation
P.O. Box 7307
The Woodlands, Texas 77387-7307
Fax: 713/363-1168

An Equal Opportunity Employer

B.S./MS. Scientist

Drug Metabolism and Biochemical Toxicology

The Animal and Exploratory Drug Metabolism Department at Merck Sharp and Dohme Research Laboratories has an opening for a highly motivated B.S./M.S. or equivalent, chemist/biochemist who is interested in pursuing a career in drug metabolism and biochemical toxicology.

The successful candidate will be involved with in vivo and in vitro metabolism studies of drugs and the interaction of reactive metabolic intermediates with cellular molecules.

The candidate should have some knowledge in drug metabolism with demonstrated strength in modern analytical techniques such as HPLC. Other desirable qualifications include:

- Experience in the isolation, purification and characterization of metabolites from biological fluids.
- Experience in handling radiolabeled chemicals.
- Skills in cell culture, organ perfusion, hepatocytes and small animal handling techniques.

Merck Sharp and Dohme Research Laboratories is located in Rahway, New Jersey, approximately 25 miles from New York City. Our salaries, benefits, and growth potential are excellent. Those interested in this position should send an application letter with an updated resume and 3 references to: Mr. Daniel Hoffman, Merck & Company, P.O. Box 2000, Rahway, NJ 07065.

Merck & Co., Inc.

ENDOCRINOLOGIST

Pharmaceutical Products Division

A reproductive endocrinologist is needed to design and implement in-vitro testing strategies in the General Pharmacology department. The selected candidate will possess a Ph.D. in endocrinology, physiology or pharmacology, with 2-3 years postdoctoral experience in reproductive research. An extensive knowledge of reproductive function and control is required, with experience in animal surgery and methods for evaluation of effects on ovulation and spermatogenesis. Familiarity with experimental models of prostatic cancer and endometriosis, and methods for in-vitro fertilization (IVF/IFT) is desirable.

Abbott Laboratories offers each employee an environment in which to build a distinguished career, and provides competitive compensation and benefits including a profit sharing and stock retirement plan. We are located in an attractive suburban area approximately 30 miles north of Chicago. If you believe that you can benefit from a long-term association with Abbott, and your credentials meet the indicated requirements, please send your resume with salary history to: Patricia Handy, Corporate Placement, Job #761 3, Abbott Laboratories, 1 Abbott Park Rd., Abbott Park, IL 60064. (To facilitate the handling of your resume, please indicate job number on your cover letter or resume.) Abbott is an Affirmative Action Employer.

ABBOTT LABORATORIES

Quality Health Care Worldwide

1888-1985

Abbott Laboratories' Pharmaceutical Products Division is a leader in the development and manufacture of anti-infective, cardiovascular and anti-convulsant/neurological products. Supported by a significant investment to R&D, twice the industry standard, we perform renowned clinical studies, and maintain a variety of specialized labs featuring state-of-the-art developmental technologies. Our extensive technical resources create a superior environment for those who would like to make a significant personal and professional commitment.
Today, that commitment continues worldwide with the discovery, development and manufacturing of the highest quality health care, diagnostic, and agricultural products. With current investments of more than $600 million in research and development programs, our continued success requires the finest scientific talent available.

Opportunities currently exist for BS/MS scientists with research experience in the following areas:

- Central Nervous System, including Molecular Neurobiology and Serotonin Receptor Biochemistry
- Cardiovascular Pharmacology/Biochemistry, including Blood Coagulation and Atherosclerosis
- Molecular and Cell Biology
- Animal Health Infectious Disease
- Immunology
- Biochemical Research and Development
- Monoclonal Antibody Research
- Fermentation Process Research and Development

We are seeking candidates with degrees in Biology, Pharmacology, Biochemistry, Molecular Biology, Immunology, Biophysics, Microbiology and Biochemical Engineering with related experience. Knowledge of animal handling, tissue culture, computer and statistical procedures, and radioisotopic methodologies will be useful. Excellent verbal and written communication skills are essential.

In addition to attractive salaries and benefits, Lilly provides excellent programs for continued growth including ongoing training through in-house seminars and off-site programs. We also provide financial assistance for job-related advanced degrees and coursework.

If you have a personal commitment to the future of global health care, bring your talents to Lilly. Please send your resume, with indication of your area of interest, to:

Ms. Ann Hinson
Corporate Recruiting
Eli Lilly and Company
Lilly Corporate Center
Indianapolis, Indiana 46285

Eli Lilly and Company is an equal opportunity employer.
POSITIONS OPEN

BIOCHEMISTRY FACULTY POSITIONS

The Department of Biochemistry of the West Virginia University School of Medicine invites applications for tenure-track positions available at the assistant, associate or full professor level. A biochemist using MOLECULAR BIOLOGICAL techniques is sought for research in the following areas: (1) structural studies of proteins, (2) biosynthesis and inhibition of neuropeptides, (3) biological activity of mRNA, (4) protein modifications, (5) enzymes involved in biotin metabolism, (6) ribonucleases and (7) cell biology. Applicants should have a Ph.D. and demonstrate research productivity. Send curriculum vitae, a brief statement of research interests, and three letters of recommendation to: Dr. Henry D. Spicher, Department of Biochemistry, West Virginia University Health Sciences Center, Morgantown, WV 26506. Review of applicants will begin 1 October 1989 and continue until a suitable applicant is hired. Equal Opportunity Employer.

BONE MARROW TRANSPLANTATION DIRECTOR/SCIENTIFIC RESEARCH

Baylor University Medical Center, Dallas, Texas, seeks a bone marrow transplantation scientific research director. This individual would add to a well-established, clinical marrow transplantation research center. This program is a major referral center for marrow transplantation and leukemia. The individual will direct research in marrow transplantation (including bone-marrow transplantation), and participate in training of residents and fellows. Responsibilities include (1) directing basic and clinical research, (2) supervising the research staff, and (3) publishing research results in peer-reviewed journals. The successful candidate will be responsible for directing laboratory-based research projects, publishing in peer reviewed journals, and writing successful grant applications. Interested candidates should send curriculum vitae to: Joseph W. Fay, M.D., Director, Bone Marrow Transplantation Research Center, Baylor University Medical Center, General Biological Sciences, 3700 McNeil Drive, Dallas, TX 75246. Tel: 214-820-2619.

DEPARTMENT OF ZOOLOGY UNIVERSITY OF WASHINGTON CELL BIOLOGIST

A tenure-track faculty position is available for a cell biologist. Those having research interests in extracellular matrix, cell adhesion, intracellular transport, cytoskeleton, or signal transduction are especially encouraged to apply. The University of Washington is building a multicultural faculty and strongly encourages applications from female and minority candidates. Preference will be given to applicants who can serve well an increasingly diverse University community. The position would begin approximately January 1990. Essential qualifications include: Ph.D. or M.D. degree, and specialization in cell biology. Experience in teaching and training students are also desirable. Send curriculum vitae, three letters of recommendation and all other pertinent information to: Dr. Mary Wanner, Department of Zoology, University of Washington, Seattle, WA 98195, by 15 November 1989. Equal Opportunity Employer.

DEVELOPMENTAL AND CELL BIOLOGY TWO TENURE-TRACK FACULTY

UNIVERSITY OF ARIZONA

As part of a continuing expansion, the Department of Molecular and Cellular Biology anticipates hiring two faculty members in 1990. Preference will be given to applicants with research interests in developmental or cellular biology of multicellular organisms, although exceptional candidates in other areas will be considered. Candidates at the junior (assistant) and senior (associate or professor) levels will be considered. Successful candidates will be housed in a newly constructed facility and have access to a well-equipped, competitive research program in both the graduate and undergraduate levels. Send curriculum vitae, one- to two-page statement of research interests and goals, and at least three supporting letters to: Professor Samuel Ward, Head, Department of Molecular and Cellular Biology, University of Arizona, Tucson, AZ 85721. Application deadline is 15 October 1989, or until positions are filled. The University of Arizona is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

CURATORIAL POSITION, POLYCHAETE APPLICATIONS are solicited for a curatorial position in the National Museum of Natural History, Section of Invertebrates. Responsibilities consist of collections-oriented research on systematics of polychaetes, active participation in museum curatorial programs, development of external funding for research and collections, and participation in public program activities. A Ph.D. degree, preferably in the systematics of polychaetes, is required. Significant experience in collections management and public program experience, grant contract funding, names of three references and a letter of application should be submitted to: Dr. Kenneth H. Hendler, Invertebrates Section, National Museum of Natural History, Smithsonian Institution, Washington, D.C. 20560. Applications are due by 1 December 1989. An Equal Opportunity Employer.

DEVELOPMENTAL AND CELL BIOLOGY THE UNIVERSITY OF CHICAGO

Developmental biologist is desired for a tenure-track faculty position. The position would begin approximately January 1990. Essential qualifications include: Ph.D. or M.D. degree, and specialization in developmental biology. Experience in teaching and training students are also desirable. Send curriculum vitae, three letters of reference and all other pertinent information to: Dr. T. Selbie, Department of Biology, The University of Chicago, P.O. Box 241118, Coral Gables, FL 33124. Deadline for application is 1 October 1989 or until the position is filled. An Equal Opportunity/Affirmative Action Employer.

DEVELOPMENTAL BIOLOGIST

THE UNIVERSITY OF CHICAGO

The Department of Organismal Biology and Anatomy at the University of Chicago invites applications for a tenure-track position. We seek an individual who will work at the cellular and molecular level. The individual should develop an independent research program using experimental and applied approaches. Applicants should have a Ph.D. and demonstrate research productivity. Research can involve either invertebrates or vertebrates, and can deal with any area of development that has an organismal consequence. Such areas include limb formation, neural crest development, pattern formation, role of extracellular matrix in morphogenesis, muscle plasticity, calcified tissue development and growth. Send curriculum vitae, statement of research interests, and three letters of reference to: Dr. Philip L. Beachy, Department of Organismal Biology and Anatomy, 1025 East 57th Street, Chicago, IL 60637. The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

DIRECTOR OKLAHOMA CENTER OF MOLECULAR MEDICINE

Attractive, unusual opportunity for administrative scientist with molecular medicine research center. The Center is new, contains six unfilled endowed chairs, involves a university academic medical center, a second comprehensive university, and a major medical research foundation. The Center will have 50 collaborating scientists and a multimillion-dollar budget. The Director, equivalent to a chief operating officer, should possess an M.D. or Ph.D. degree in a biological science, professional expertise in academic and commercial biotechnology environments, and a demonstrated record of scientific accomplishment and entrepreneurial expertise. A senior level faculty position in the appropriate department of the applicant's field has been created at the University of Oklahoma. Applications will be received through 14 October 1989. Qualified applicants should submit their resumes, including the names, addresses, and telephone numbers of three professional references to: Patrick A. McKee, M.D., Chairman, Department of Medicine and Chairman, Executive Operating Committee for the Oklahoma Center of Molecular Medicine, University of Oklahoma Health Sciences Center, Post Office Box 26901, Oklahoma City, OK 73190. The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer.

EDITOR

Staff position as manuscript editor in large midwestern medical center is open for person with medical or biological background. Must have Ph.D. or M.D. degree and at least 5 years of experience in biomedical research or clinical practice. Extensive experience helpful but not essential. Equal Opportunity Employer.

Deadline for applications is 1 November 1989. Send descriptions of education, professional experience, and relevant achievements to: Dr. B. K. Forscher, Section of Publications, Mayo Clinic, Rochester, MN 55905. An Affirmative Action/Equal Opportunity Employer.

SCIENCE, VOL. 245
Alexander Hollaender
Distinguished Postdoctoral Fellowship Program

Research Opportunities in Energy-Related Life, Biomedical, and Environmental Sciences
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Hollaender Postdoctoral Fellowships Science/Engineering Education
Oak Ridge Associated Universities
P.O. Box 117
Oak Ridge, TN 37831-0117
(615) 576-3190

Deadline January 16, 1990

Molecular Biology

CABM

A Postdoctoral position is available immediately to study the structural basis of ion channel function. The project involves characterization of reconstituted nicotinic acetylcholine receptor in different conformations using fluorescence spectroscopy, circular dichroism and chemical labeling. Experience with these techniques and with reconstitution of membrane proteins or HPLC is preferred but not required. Salary is $21,000. Send CV and three letters of reference to Dr. Michael P. McCarthy. The Center for Advanced Biotechnology and Medicine is a newly established molecular biology research program jointly administered by Rutgers University and the University of Medicine and Dentistry of New Jersey and funded by the New Jersey Commission on Science and Technology.

CABM, 475 Hoos Lane, Piscataway, NJ 08854-5635

DEAN
College of Natural and Agricultural Sciences
University of California, Riverside

The Dean oversees the Land-Grant mandate in teaching, public service, and research in the College and normally serves as the Director of the Division of Agriculture and Natural Resources (DANR) on the Riverside campus, including the Agricultural Experiment Station. The College has 15 academic departments and research units containing 240 ladder-rank FTE, 30 other academic FTE, and 475 non-academic staff FTE. The annual College/DANR budget is over $30 million. The campus is growing rapidly and is surrounded by a supportive and rapidly growing citizenry.

Applicants must have a distinguished record of research, teaching and service appropriate to an academic appointment at the level of full professor in the College department of the candidate’s discipline as well as a record of successful leadership and creative management. Salary will be commensurate with experience and qualifications. The negotiable target starting date is July 1, 1990.

A curriculum vitae and the names and addresses of six references are required from each applicant. The search will continue until the position is filled.

The University of California, Riverside is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

Nominations and applications will be reviewed starting October 1, 1989 and should be addressed to:

Professor Irwin P. Ting, Chair
Search Committee for the Dean
Office of the Chancellor
University of California, Riverside
Riverside, CA 92521.

Neuroscientist

Parke-Davis Pharmaceutical Research Division, Warner-Lambert Company, has an immediate opening for a Neuroscientist in the Pharmacology Department at their Pharmaceutical Research Facility in Ann Arbor, Michigan.

Responsibilities of the position will be to use in vitro physiological assays for the discovery of new drugs that affect mammalian central or sensory neurons, supervision of one or more assistants, and the summarization and communication of results, including preparation of manuscripts for publication.

The successful applicant will join an experienced multidisciplinary team of dedicated scientists working on novel treatments for human neurodegenerative diseases including Alzheimer’s Disease.

The qualified candidate will have:
- A Ph.D. in a neuroscience related field with post-doctoral experience
- Experience in the assessment of the biological and molecular changes accompanying neuronal death and degeneration
- Excellent written and oral communication skills
- Ability to work as part of a team

Preference will be given to candidates experienced with aberrant processing of neuronal proteins in the central nervous system.

Employment will be at our modern facilities adjacent to The University of Michigan campus. We offer excellent benefits. Interested, qualified applicants should send curriculum vitae and salary requirements in confidence to: Ms. S. Hultquist, Human Resources Representative, PARKE-DAVIS, 2800 Plymouth Road, Ann Arbor, Michigan 48105. “Smoke-Free Work Environment”

Parke-Davis
DIVISION OF WARNER LAMBERT COMPANY

“Equal Opportunity in Action”
ENDOCRINOLOGIST Department of Comparative Medicine tenure-track position available. Requirements include a solid publication record, evidence of independent research, interest in collaborative research, and ability to supervise a core laboratory. Research opportunities include monkey models of atherosclerosis and risk factors, reproductive function and behavior. Rank and salary commensurate with experience. Contact: Jay Kaplan, Ph.D., Department of Comparative Medicine, Bowman Gray School of Medicine, Wake Forest University, 300 South Hawthorne Road, Winston-Salem, NC 27103. Telephone: 919-764-3600. An Equal Opportunity/Affirmative Action Employer.

ENDOWED PARKE DAVIS CHAIR IN PHARMACEUTICS UNIVERSITY OF NEBRASKA MEDICAL CENTER COLLEGE OF PHARMACY

The University of Nebraska College of Pharmacy invites nominations and applications for an endowed chair, the Parke Davis Chair in Pharmaceutics. The College is seeking a research scholar with a demonstrated record of major extramural support in the broadly defined area of drug delivery systems, i.e., controlled or targeted drug delivery. The chair holder will be expected to interact with other research faculty on the University of Nebraska Medical Center campus, facilitate the development of a center for excellence in biopharmaceutical research, provide a leadership role in research in the College, and participate in the educational programs of the College. The successful candidate should possess an earned doctorate, and qualify for a tenured professorship in the College.

Inquiries, nominations, and applications in the form of curriculum vitae and brief description of research interests should be directed to:

Clarence T. Ueda, Ph.D., Dean
College of Pharmacy
University of Nebraska Medical Center
42nd & Dewey Avenue
Omaha, NE 68105-1065

The University of Nebraska Medical Center is an Equal Opportunity/Affirmative Action Employer.


ENVIRONMENTAL TOXICOLOGY Applications are invited for a tenure-track position in environmental toxicology, starting 1 January, 1 May, or 1 September 1990, at Governors State University. Candidates must have a Ph.D. with a major in toxicology or biology with a toxicology emphasis and be able to teach courses for a B.S. in biology and an M.S. in environmental biology. Courses will include toxicology, environmental toxicology, human physiology, and a liberal education course in science. Ability to teach in one or more of the following areas is desirable: developmental/reproductive biology, endocrinology, histology, anatomy, or genetics. Candidates must be dedicated to excellence in teaching as well as to continuing their research efforts with master's thesis students. Salary is competitive. Send résumé, transcripts, and the names and numbers of three or more references with your letter of application to: Dr. Peter Gunther, Chairperson, Search Committee, Division of Science, Governors State University, University Park, IL 60466-3199. Review of applications will start 1 November 1989 and will continue until the position is filled. GSU, located 35 miles southwest of Chicago, has an enrollment of $500 upper division and graduate students in the College of Arts and Sciences, Business and Public Administration, Education and Health Professions. An Affirmative Action/Equal Opportunity University.

Research Scientist Drug Metabolism

We're the R. W. Johnson Pharmaceutical Research Institute, a member of The Johnson & Johnson Family of Companies. Our strategy is to maintain a fast-growing pharmaceutical business by continuing to develop products of the highest quality.

We currently have a significant career opportunity for an individual to become part of our Developmental Research team. To qualify, you should possess a Ph.D. in Toxicology/Pharmacology, Biology or Biochemistry and have experience in planning, conducting and evaluating studies toward the development of therapeutics.

Areas of research include support of toxicology studies, microsomal enzyme induction/inhibition, pharmacokinetics and drug absorption, excretion and tissue distribution. Experience in HPLC/GC analysis of drugs in biological matrices is desirable.

The position supports our important research endeavors and affords professional growth. We offer a competitive salary and the comprehensive benefits of a Johnson & Johnson Company, as well as a convenient suburban Philadelphia location. For immediate confidential consideration, please submit curriculum vitae and salary requirements to: J. Richardson, Sr. Employment Administrator, McNeil Pharmaceutical, Spring House, PA 19477.

An Equal Opportunity Employer, M/F

PHARMACEUTICAL RESEARCH INSTITUTE

R W JOHNSON

Postdoctoral Scientist Enzymology

The department of Medicinal Chemistry at Smith Kline & French, a division of SmithKline Beecham, has an immediate opening for a postdoctoral scientist to work in an environment designed to foster innovative research and promote personal and professional growth. Publication of research in leading journals and interaction with the scientific community are strongly encouraged. Postdoctoral assignments are normally of two years duration.

The successful candidate will be involved in the isolation from bacterial expression systems of previously uncharacterized proteases of retroviral or mammalian origin which activate enzymes/proteins via proteolytic processing. The candidate will conduct kinetic analysis of the purified protease(s) to characterize substrates and elucidate details of its chemical mechanism, assist in structural characterization, and interact with synthetic chemists in the design and characterization of enzyme inhibitors of therapeutic potential.

The successful candidate will have:

- Ph.D. in Bio-Organic Chemistry, Biochemistry, or equivalent.
- Experience in enzyme isolation and enzymatic assay development.
- Experience in steady-state kinetic analysis and a working knowledge of biological reaction mechanisms. Familiarity with molecular biological methods and protein chemistry is desirable.

Based in a new state-of-the-art research facility in suburban Philadelphia near Valley Forge, Smith Kline and French provides a stimulating and challenging environment in which to grow. We offer an excellent salary, benefits, and relocation package. Please forward C.V. to Terry Gallagher, T112, Research and Development (LS14), Smith Kline & French Laboratories, P.O. Box 1539, King of Prussia, PA 19406. We are an equal opportunity employer. M/F/H/V.

A Smith Kline Beecham Company

SK&F
The Department of Psychology in the Faculty of Human Movement Sciences seeks a professor in human movement psychology (m/f).

The Faculty of Human Movement Sciences consists of five departments: Psychology, Educational Sciences, Functional Anatomy, Exercise Physiology and Health Science, and Theory and History of Human Movement Sciences. These departments are responsible for teaching and research in the field of human movement.

In the department of Psychology basic research on complex human motor actions forms the core of the approved research program. Sections of this program are addressed to sports psychological and rehabilitation psychological topics.

Three accents are possible in the specialist teaching programmes provided by the Department: Human Movement Psychology, Sports Psychology and Rehabilitation Psychology.

The successful candidate will be able to demonstrate qualities of leadership that will further stimulate the teaching and research programs of the Department, both of which embrace a wide area of psychology.

It is expected that he/she will have:

- a Ph.D. (or its equivalent);
- carried out internationally recognized research on complex human motor actions as indexed by publications;
- experience in the organization and supervision of multidisciplinary research;
- a broad orientation to the field of psychology;
- up-to-date knowledge of theories concerning movement control and motor learning relevant to the psychology of human movement;
- affinity with sport- and rehabilitation psychology;
- a stimulating and enthusiastic approach to teaching together with good didactical qualities;
- demonstrable qualities in the supervision of undergraduate and graduate students;
- demonstrable management and administrative qualities.

Salary: the salary will be $9,975. per month. Only in special circumstances will a higher salary with a maximum of $12,115. be possible.

Further Information on this function can be obtained from dr. F.C. Bakker, Van der Boechorststraat 9, 1081 BT Amsterdam, telephone 020-548 6265 or 020-548 7249.

Applications, quoting vacancy number 807-9469, must be sent within 15 days after the appearance of this advertisement to dr. G.A.C. Smid, secretary of the Faculty of Human Movement Sciences of the Free University, Van der Boechorststraat 9, 1081 BT Amsterdam.

Agricultural Biotechnology Research Scientists

CIBA-GEIGY's Agricultural Division is a leader in genetic engineering and contributes to the improvement and protection of crops. We have made a major commitment to expand biotechnological research at our facility in Research Triangle Park, NC. The creation of these two exciting positions reflects this commitment.

Insect Molecular Physiologist

Creative, accomplished individual will develop methods of identifying and purifying insecticidal materials and genetically engineer plants to produce such components. Must possess recent Ph.D or BS/MS in Biochemistry or Molecular Biology and have detailed knowledge of insect cell or molecular physiology. Experience in protein biochemistry and enzymology, and recombinant DNA technology would be distinct advantages.

Tissue Culture Scientist

The qualified individual will help in the development and engineering of plants using techniques such as callus, shoot and suspension cultures; the selection of stress tolerant lines; transformation; and the genetic analysis of novel plants derived from transformation and selection. A BS or MS in a biological science is required, along with 3-5 years of related experience, which should include plant tissue culture. You should also be familiar with basic tissue culture techniques.

CIBA-GEIGY offers exceptional opportunities for career advancement, a stimulating work environment, as well as competitive salaries and generous company-paid benefits. Please send resume including three letters of professional reference to: Dr. Mary-Dell Chilton, CIBA-GEIGY Corporation, 3054 Cornwallis Road, Research Triangle Park, NC 27709. We Are An Equal Opportunity Employer M/F/H/V.

Science Serving Mankind

CIBA-GEIGY
FACULTY POSITIONS
DEPARTMENT OF CHEMISTRY
COLLEGE OF LIBERAL ARTS
The Department of Chemistry, Wayne State University, is seeking to fill several faculty positions at various ranks.

BIOCHEMISTRY (JUNIOR LEVEL) Appointment will be at the assistant professor level. While research area is not specified, we are seeking a person for whom complementation will lead to subsequent, outstanding career.

BIOCHEMISTRY (SENIOR LEVEL) Appointment will be at the associate or full professor level. We are seeking an individual with a demonstrated ability to work with students in collaborative research in any area of the biochemistry.

BIOLOGICAL SCIENCES
UNIVERSITY OF SOUTH CAROLINA
FACTORIES THAT INFLUENCE PLANT BIOLOGY
Applications are sought for a tenure-track position available in 1990. We are especially interested in individuals applying techniques to solve problems in plant biology, but the specific field of research is open. Appointments must demonstrate a productivity, independence, and support for an established start-up research funds will be provided. Academic rank is open. Please submit curriculum vitae, description of research interests and letters from three references by 15 October 1989 to: Dr. David Lincoln, Plant Biology Search Committee, Department of Biological Sciences, University of South Carolina, Columbia, SC 29208.

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

FACULTY POSITION, MICROBIAL PATHOGENESIS Applications are invited for a tenure-track appointment at the assistant or associate professor level in the Department of Microbiology and Immunology, University of California, Los Angeles (UCLA), School of Medicine. Applicants should have a Ph.D. (or equivalent degree) and research interest in the pathogenesis of microbial diseases, induced by bacteria or fungi. The candidate selected will participate in a program in molecular pathogenesis currently supported by an NIH training grant, in molecular biology, and graduation and participation as faculty assistants, and salary and benefits will be commensurate with the candidate’s qualifications. Applications should be submitted by 1 November 1989, and should be comprised of a letter of application, a complete curriculum vitae, copies of two recent publications, and addresses of three references. The complete application package should be submitted to: Dr. Dexter H. Howard, Chairman of the Microbiology Search Committee, Department of Microbiology and Immunology, UCLA School of Medicine, Los Angeles, CA 90024-1747. UCLA is an Affirmative Action and Equal Opportunity Employer.

FACULTY POSITION, BIOCHEMISTRY Applications are invited for a tenure-track appointment in the field of biochemistry of proteins. The candidate should have experience in the field of proteins and related areas of biochemistry, and should be able to provide the overall leadership necessary for an expanding program in this area. Applicants should be at the assistant or associate professor level. Applications should be received by 1 December 1989, and should be comprised of a letter of application and a complete curriculum vitae. The complete application package should be submitted to: Dr. W. H. Glaeser, Chairman of the Biochemistry Search Committee, Department of Biological Sciences, University of California, Los Angeles, CA 90024-1747. UCLA is an Affirmative Action and Equal Opportunity Employer.

FACULTY POSITION, GENETICS Applications are invited for a tenure-track appointment in the field of genetics. We are particularly interested in applicants with research interests in molecular, cellular, or quantitative genetics. Applicants should be at the assistant or associate professor level. Applications should be received by 10 September 1989, and should be comprised of a letter of application, a complete curriculum vitae, copies of two recent publications, and addresses of three references. The complete application package should be submitted to: Dr. W. H. Glaeser, Chairman of the Genetics Search Committee, Department of Biological Sciences, University of California, Los Angeles, CA 90024-1747. UCLA is an Affirmative Action and Equal Opportunity Employer.

FACULTY POSITION, MOLECULAR BIOLOGY Applications are invited for a tenure-track position available in 1990. We are especially interested in individuals applying techniques to solve problems in plant biology, but the specific field of research is open. Appointments must demonstrate a productivity, independence, and support for an established start-up research funds will be provided. Academic rank is open. Please submit curriculum vitae, description of research interests and letters from three references by 15 October 1989 to: Dr. David Lincoln, Plant Biology Search Committee, Department of Biological Sciences, University of South Carolina, Columbia, SC 29208.

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

RESEARCH FELLOWSHIPS
UNIVERSITY OF SOUTH CAROLINA
Applications are invited for a tenure-track appointment at the assistant or associate professor level in the Department of Microbiology and Immunology, University of California, Los Angeles (UCLA), School of Medicine. Applicants should have a Ph.D. (or equivalent degree) and research interest in the pathogenesis of microbial diseases, induced by bacteria or fungi. The candidate selected will participate in a program in molecular pathogenesis currently supported by an NIH training grant, in molecular biology, and graduation and participation as faculty assistants, and salary and benefits will be commensurate with the candidate’s qualifications. Applications should be submitted by 1 November 1989, and should be comprised of a letter of application, a complete curriculum vitae, copies of two recent publications, and addresses of three references. The complete application package should be submitted to: Dr. Dexter H. Howard, Chairman of the Microbiology Search Committee, Department of Microbiology and Immunology, UCLA School of Medicine, Los Angeles, CA 90024-1747. UCLA is an Affirmative Action and Equal Opportunity Employer.

The Department of Pathology at UMDNJ—New Jersey Medical School is recruiting for tenure-track full-time FACULTY POSITIONS. Individuals applying should have M.D. or Ph.D. degrees, and research expertise in areas of medical specialties. The faculty rank will be commensurate with experience. Send curriculum vitae and names of references to: Dr. Karel Raska Jr., Chairman, Department of Pathology, UMDNJ—New Jersey Medical School, 185 South Orange Avenue, Newark, NJ 07103-2787. The UMDNJ is an Affirmative Action/Employer M/F/H/V.

HEAD, ACADEMIC UNIT—A new School of Basic Life Sciences is seeking an established researcher with academic experience to direct the Division of Structural and Systems Biology. This unit is involved in a doctoral program with participation in cell biology, neurobiology, and molecular biology. Its faculty also teach in the health science professions in the areas of cell biology, anatomy, neuroscience, physiology and histology. A person with an established record of research support in any area of cell biology, chemistry, or other related fields is desired. Minimum requirements include a Ph.D. or equivalent degree. Applications will be considered until 1 November 1989. However, they will be accepted until the position has been filled. Send letters of interest, including curriculum vitae and names of at least three prospective references to: Dean Martin Martinez-Carrion

University of Memphis—Memphis, Tennessee

The University of Mississippi—Knoxville is an Equal Opportunity/Affirmative Action Employer.

JUNIOR/SENIOR FACULTY POSITIONS
MOLECULAR BIOLOGY/BIOCHEMISTRY
The Department of Biochemistry at Indiana University School of Medicine is seeking applicants for all full-time, tenure-track positions at the associate, assistant, or full professor level. Applicants should have a Ph.D., M.D., or equivalent degree and postdoctoral experience in molecular biology or biochemistry. It is expected that the new faculty will develop independent research programs in areas of molecular and cell biology, including regulation of eukaryotic gene expression, DNA recombinant/gene targeting, DNA replication and repair, structure-function relationships, macromolecular interactions, and cellular and metabolic regulation. Significant space and start-up funds are available. Faculty are involved in both graduate and medical programs. Instructors must submit their curriculum vitae, a description of research plans, and the names of three references to: Dr. Peter J. Kofoid, Department of Biochemistry, Indiana University School of Medicine, Indianapolis, IN 46202-5122. Indiana University is an Equal Opportunity/Affirmative Action Employer, and Contractor/Employee.
POST-DOCTORAL OPPORTUNITIES

CYTOGEN Corporation is an innovative biotechnology company committed to monoclonal antibody research, diagnosis and therapy for both cancer and cardiovascular disease. We have several on-going clinical trials using site-specific conjugates of anti-cancer antibodies.

This creative Biotech environment is ideal for POST-DOCTORAL SCIENTISTS experienced in the following areas:

- Molecular recognition
- Chimeric antibodies
- Drug delivery
- Bio-analytical chemistry
- Novel Cytotoxic delivery
- Novel application of radioisotopes
- Clinical assay development
- Animal models for cancer and cardiovascular disease

Our Program offers a two-year tenure with a competitive salary and benefits, as well as relocation assistance. The successful applicants will be encouraged to publish their results.

For confidential consideration, please send resume with salary requirements, indicating area of interest, to: Employment Manager, CYTOGEN Corporation, 600 College Road East, Princeton, New Jersey 08540. Equal opportunity employer M/F.

STAFF MEMBER

Los Alamos National Laboratory, a worldwide leader in scientific research, is seeking an individual for its Life Sciences Division.

Responsibilities include conducting research in biochemistry, physiology and molecular biology of trace metal tolerance and degradation of toxic organic molecules in higher plants. Individual will also develop methods for practical application and environmental limitation as well as study the structure function relationships in metal bindings compounds.

Position requires significant recent experience in isolation and chemical characterization of metal-binding polypeptides and other secondary metabolites produced by plants. Experience in enzymology and study of biochemical processes necessary for synthesis for these compounds is essential as well as familiarity with methods of differential screening of genes involved in metal tolerance. Experience in different aspects of plant tissue culture desirable. A PhD in biology, botany or biochemistry and at least two years of postdoctoral research studying biochemical or molecular mechanisms of metal tolerance in higher plants or equivalent combination of education and work related experience is required.

For consideration, please send resume to: Ray Archuleta (MS P280), Personnel Services Division 90600-DS, Los Alamos National Laboratory, Los Alamos, NM 87545.

Affirmative Action/Equal Opportunity Employer. Must be able to obtain a Department of Energy Security Clearance.

University of California

Los Alamos
POSTDOCTORAL FELLOW

Position available at the National Institute on Alcohol Abuse and Alcoholism, for studies of basic mechanisms of receptor-effector coupling and neuropeptide actions in brain, and the effects of alcohol on these processes. Candidates should have a strong biochemical and/or pharmacological background, working knowledge of basic molecular biological techniques, and some postdoctoral experience. Salary is commensurate with training and experience. Only U.S. citizens or permanent residents are eligible for this position. Send CV and three letters of recommendation to:

Dr. P. Hoffman
NIH
Building 10, Room 3C103
9000 Rockville Pike
Bethesda, MD 20892
Telephone: (301) 443-5800

NIH is an Equal Opportunity Employer

NEUROPATHOLOGIST, ASSISTANT PROFESSOR, TENURE-TRACK POSITION available as of July 1990. Board certification or eligibility in anatomic pathology and neuropathology is required. The position includes diagnostic, teaching and research responsibilities. Send curriculum vitae and names of three references to: Pierluigi Gambetti, M.D., Division of Neuropathology, Institute of Pathology, Case Western Reserve University, 2085 Adelbert Road, Cleveland, OH 44106.

NEUROBIOLOGIST: The School of Biological Sciences has an immediate opening for an individual with research interests in cellular neurobiology (vertebrate or invertebrate). This is a non-tenure-track visiting assistant professor position. The initial appointment will be for 1 year, but is renewable for up to 5 years. Opportunities exist for both collaborative and independent research. Teaching duties will alternate between an undergraduate course in animal physiology and a graduate course in neurophysiology. Competitive salary and research facilities are available. Applicants must have a Ph.D. and some postdoctoral experience. Send curriculum vitae and the names, addresses, and telephone numbers of three references by 15 November 1989 to: Dr. Michael S. Dekin, School of Biological Sciences, University of Kentucky, Lexington, KY 40506-0225. The University of Kentucky is an Affirmative Action/Equal Opportunity Employer.

NEUROSCIENTIST
UNIVERSITY OF MINNESOTA

The Department of Neurosurgery at the University of Minnesota seeks a faculty member whose research emphasizes cellular or molecular neurobiology. Areas of interest include but are not limited to brain tissue grafting and neuro-oncology. Successful candidates should have interests compatible with the clinical and basic science research programs of the Department of Neurosurgery. This position will be a full-time position at either the rank of assistant professor on tenure-track or associate professor with tenure. Faculty rank will be commensurate with degree of experience. It is expected that the applicant will hold a joint appointment in the Department of Cell Biology and Neuroanatomy. Also, it is anticipated this individual would become actively involved in the Graduate Program in Neuroscience and participate in the instruction of graduate and professional students in the health sciences.

The candidate must hold an M.D. or Ph.D. degree, and should present a record of productivity and distinction in cellular or molecular neuroscience research and should be capable of obtaining funding for research programs through national agencies. The individual should have demonstrated effectiveness in teaching in an academic medical institution.

Send letter of application, curriculum vitae and three references to: Dr. Timothy J. Ehren, Chair, Search Committee, Department of Neurosurgery, Box 96 UMHC, University of Minnesota, 420 Delaware Street, S.E., Minneapolis, MN 55455.

Closing date for application is 15 October 1989. Appointment will occur by 1 July 1990 or as soon as the appointee is available.

The University is an Equal Opportunity Educator and Employer and specifically invites and encourages applications from women and minorities.

PHOSPHOLIPID BIOCHEMISTS

POSTGRADUATE RESEARCH BIOCHEMIST position available immediately for NIH-funded studies of phospholipases in heart, liver and tissue culture cells including purification, characterization, regulatory aspects, effects of inhibitors and metabolism of novel lipid-modifying antiinflammatory agents. Strong background in phospholipid chemistry and biochemistry required. Send curriculum vitae and names of three references to: Dr. Karl Y. Hostetter, Department of Medicine (V-111G), University of California, San Diego, La Jolla, CA 92039. UCSD is an Affirmative Action/Equal Opportunity Employer.

TOWSON STATE UNIVERSITY

DEAN

College of Natural and Mathematical Sciences

Applications and nominations are invited for the position of Dean of the College of Natural and Mathematical Sciences, beginning July 1990. The Dean is responsible for providing leadership for the departments of Biology, Chemistry, Computer and Information Sciences, Mathematics and Physics. Undergraduate programs are offered in each department; a Master's program is offered in Biology and other Master's programs are under consideration. A successful applicant will have a Ph.D. in a natural or mathematical science, significant experience in higher education administration, including departmental chairmanship, experience in teaching and an established record in scientific scholarship. An application should include a detailed resume, addresses and telephone numbers of 3 to 5 references and a 1 to 2 page statement of the applicant's perception of the role of the Dean of the College at a public, comprehensive university. Candidates should arrange for letters of recommendation to be sent by their references. Nominations should be sent by October 18, 1989 and completed applications by November 1, 1989 to:

Professor Ali Behrens, Chair, Search Committee for Dean of the College of Natural and Mathematical Sciences
Towson State University
Towson, Maryland 21204

Towson State University, with a total enrollment of over 15,000 students, is located in a northern suburb of Baltimore, close to the educational, cultural, industrial and recreational opportunities in the Baltimore-Washington area.

(An Equal Opportunity, Affirmative Action Employer)

ASSISTANT/ASSOCIATE SCIENTISTS

PROTEIN CRYSTALLOGRAPHY
PROTEIN CHEMISTRY

Hoffmann-La Roche is seeking two scientists to join a dynamic team which utilizes protein structures of cytokines, receptors and HIV proteins for the rational design of novel pharmaceutical agents.

PROTEIN CHEMISTRY

You will become involved with the purification and characterization of recombinant proteins employing techniques such as HPLC, FPLC, gel electrophoresis and enzyme assays.

PROTEIN CRYSTALLOGRAPHY

You will research include protein characterization, analysis and crystallization, employing your knowledge of basic biochemical techniques such as enzyme assays and gel electrophoresis.

Both position require a BS/MS in Biochemistry, Chemistry, Biology or a related field.

For confidential consideration, please send your resume, including salary history/requirements, to: Frances Newman, Department VM, Hoffmann-La Roche Inc., Nutley, New Jersey 07110. We are an equal opportunity employer.

Hoffmann-La Roche

Working Today For A Healthier Tomorrow
SENIOR NEUROBIOLOGIST/NEUROSCIENTIST

National Institute of Mental Health Intramural Research Program

The NIMH is accepting applications for a senior neurobiologist/neuroscientist with interests in studying basic brain mechanisms of behavior. Applicants must hold a doctoral degree or equivalent and be interested in joining an established research program involving behavioral neurophysiology, neuroanatomy, neuropsychology, developmental neurobiology, neuroethology and other disciplines. The laboratory facilities are located in a rural setting approximately 30 miles west of the main NIH Bethesda campus near the town of Poolesville, Maryland. Researchers in the fields of neurophysiology, neuroanatomy, experimental psychology (including physiological psychology), developmental neurobiology, and related fields in the brain and behavioral sciences are especially encouraged to apply. Excellent facilities exist for primate research. The successful candidate should have broad experience and established credentials in the neurosciences. Duties will include scientific leadership and administration of a laboratory, as well as conduct of an internationally-recognized research program. Salary will be commensurate with other NIMH researchers having similar responsibilities, approximately $57,158 to $75,500 plus full Federal benefits. Send C.V., bibliography, a statement of future research directions, and the names of three references to:

Steven M. Paul, M.D.
Acting Director, Intramural Research Program
National Institute of Mental Health
Building 10, Room 4N-224
9000 Rockville Pike
Bethesda, Maryland 20892

NIMH IS AN EQUAL OPPORTUNITY EMPLOYER

OCCUPATIONAL OPPORTUNITIES FOR RESEARCH SCIENTISTS

The Lovelace Inhalation Toxicology Research Institute is seeking research scientists to join its highly interactive, multidisciplinary team in conducting independent and collaborative research on the health effects of inhaled chemical and radioactive agents. Applicants should have doctoral training in the following disciplines plus rigorous postdoctoral training or equivalent experience.

Molecular Biologist to conduct research on the molecular basis for lung cancer and other health effects of inhaled toxicants. Academic training with emphasis on molecular or cellular biology and postdoctoral training or relevant experience in the molecular basis for abnormalities in mammalian cells required. Interests in carcinogenesis and toxicology preferred.

Pulmonary Pathophysiologist to conduct research on the health effects of inhaled toxicants. Doctoral degree in physiology and interests in respiratory physiology, respiratory function testing, lung function-structure correlates, and acute and chronic physiological responses to inhaled toxicants required. Experience with both human and animal studies preferred.

Toxicologist to conduct research on the toxicology of inhaled toxicants. Doctoral degree in toxicology required. American Board of Toxicology certification desirable. Preferred disciplinary interests include chemical toxicology, radiation toxicology, pharmacokinetics and metabolism.

Competitive salary and fringe benefits. Please send resume and salary requirements to Personnel Unit, Inhalation Toxicology Research Institute, P.O. Box 5890, Albuquerque, NM 87185. Equal Opportunity/Affirmative Action Employer.
ACADEMIC COLLEGE

DEPARTMENT OF NUMBERS OF THREEREFERENCE RESEARCH ACTION PROSPECTS EXPERTISE

G. Cooper, Department of Opportunity

NUDEOTIDE 114.2

Two FELLOW:

S. Cooper, Department of Ohio of the Center of Molecular Graphics, and Flow Cytometry. Funds for the initiation of research programs will be available and salaries will be highly competitive.

Applications will be received until 1 October 1989, or until the position is filled thereafter. Applications should consist of curriculum vitae, copies of several recent publications, a brief statement of future research goals, and three letters of reference to be sent to: Dr. Terrance G. Cooper, Department of Microbiology and Immunology, The University of Tennessee, Memphis, 858 Madison Avenue, Room 801, Memphis, TN 38163. The University of Tennessee is an Affirmative Action/Equal Employment Opportunity Employer.

PHARMACOLOGY—MOLECULAR PHARMACOLOGY

Applications are invited for tenure-track positions at the assistant or associate member level in the Program of Developmental Therapy and Clinical Investigation of the Sloan-Kettering Institute. Candidates with a Ph.D. or M.D. degree who have demonstrated outstanding research capabilities in cancer-related pharmacology will be considered. We are especially interested in candidates with a strong interest in mechanisms of drug action at the molecular level, and with interests in clinical application. Additional areas of research emphasized include mechanisms of drug resistance, protein structure and drug design, signal transduction and DNA repair. Please send a detailed curriculum vitae and a statement of research interests by 1 November 1989 to: Dr. Joseph R. Bertino, Program Co-Chairman of Developmental Therapy and Clinical Investigation, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, NY 10021.

Sloan-Kettering Institute is committed to Equal Opportunity through Affirmative Action and, therefore, members of minority groups are encouraged to apply.

PHYSIOLOGY AND BIOPHYSICS

Two tenure-track positions are available at the Medical College of Ohio in cardiovascular and electrophysiology. Academic rank determined by experience. A doctoral degree and 2 years of postdoctoral research are a minimum. Applicants should send résumé, statement of research goals, and names, addresses, and telephone numbers of three references by 15 November 1989 to: Dr. William E. Jacobus, Professor and Chairman, Department of Physiology and Biophysics, Medical College of Ohio, P.O. Box 10006, Toledo, Ohio 43699–0008. MCO is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW: MOLECULAR BIOLOGY OF NEURAL INDUCTION

Excellent prospects for beginning a research project aimed at resolving important problems of neural development, using molecular biological and immunological methods. Expertise in molecular biology essential. Write: Marcus Jacobus, Anatomic Deputation, University of Utah Medical School, Salt Lake City, UT 84132. Telephone: 801–581–6720. The University of Utah is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW: MOLECULAR PATHOGENESIS RESEARCH: VIRUSES AND BACTERIA

The Department of Microbiology and Immunology in the College of Medicine at The University of Tennessee, Memphis, invites applications for a junior or senior level, tenure-track position focusing on significant problems in microbial pathogenesis using genetic and molecular approaches.

A large Center of Excellence grant has resulted in establishment of a Molecular Resource Center within the Department featuring state-of-the-art facilities for: oligonucleotide synthesis, peptide synthesis, monoclonal antibody production, amino acid analysis, protein sequencing, automated DNA sequencing, polymerase chain reaction, molecular graphics, and flow cytometry. Funds for the initiation of research programs will be available and salaries will be highly competitive.

Applications will be received until 1 October 1989, or until the position is filled thereafter. Applications should consist of curriculum vitae, copies of several recent publications, a brief statement of future research goals, and three letters of reference to be sent to: Dr. Terrance G. Cooper, Department of Microbiology and Immunology, The University of Tennessee, Memphis, 858 Madison Avenue, Room 801, Memphis, TN 38163. The University of Tennessee is an Affirmative Action/Equal Employment Opportunity Employer.

POSTDOCTORAL FELLOWS

Two NIH-supported positions, available 1 December 1989, for Ph.D's. in biochemical pharmacology, protein biochemistry, or molecular microbiology to study proteolytic enzymes in, in vitro, the mechanisms, molecular biology, and relationship to disease [Science 244, 1158 (1989)]. Excellent facilities and opportunities in the molecular biology and industry will be available. Send curriculum vitae and telephone numbers of three references to: Sudhir Paul, Ph.D. Department of Pharmacology 42nd & Dewey University of Nebraska Medical Center Omaha, NE 68105 Telephone: 402-559-4044 The University of Nebraska Medical Center is an Affirmative Action/Equal Employment Opportunity Employer.

POSTDOCTORAL LANDSCAPE ECOLOGIST

The Institute of Ecosystem Studies seeks a 1- to 2-year postdoctoral associate to document ecological patterns and processes along urban-rural land use gradients. The successful applicant will identify gradients of urbanization using a geographic information system incorporating information from maps, remote imagery, and state and federal databases. The candidate will interact with vegetation and ecosystem ecologists and soil scientists, and contribute to proposal preparation. Annual salary $21,000. Send statement of research interests, curricu- lum vitae, and letters of reference by 20 September 1989 to: Dr. M. J. McDonough, Institute of Ecosystem Studies, The New York Botanical Garden, Mary Plagler Cary Arborceum, Box AB, Millbrook, NY 12546. An Equal Employment Opportunity Employer.

POSTDOCTORAL POSITION for study of lipid-protein interactions, transfer of lipids between membranes and protein-lipid processes, using NMR spectroscopy of different nuclei and 2D-NMR methods. NMR experience preferred. Please send curricu- lum vitae and letter of recommendation to: Dr. James A. Hamilton, Department of Biophysics, Bos- ton University School of Medicine, 80 East Concord Street, Boston, MA 02118.

California State University, Fullerton, California POSTDOCTORAL POSITION in the Department of Chemistry and Biochemistry. To examine the mecha- nisms and regulation of receptor-mediated uptake of copper from serum proteins. Project involves binding and cell membrane and protein isolation, and molecular biology (RNA). Experience in one or more of these areas required. Salary commensurate with experi- ence. Minimum 2-year commitment, beginning early 1990. Send curriculum vitae and names of three refer- ences to: Dr. Maria C. Linder, Chemistry and Biochemistry, California State University Fullerton, Full- lerton, CA 92634. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available at the Northwestern University Cancer Center to work in the area of multi-drug resistance. Candidates should have experience with microsomal enzyme assays and with the conduct of enzyme assays. Salary negotiable. Contact: Dr. Jane Winter, Northwestern Uni- versity Cancer Center, 303 East Chicago Avenue, Chicago, IL 60611.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL RESEARCH SERVICE POSTDOCTORAL POSITION for studies of the enzymology and biology of S-adenosyl-L-methionine, with em- phasis on the biological role of the methylation of unusual DNA structures. Experience in the enzymology of natural products and/or their synthesis is necessary. Excellent and modern facilities for molecular modelling, DNA synthesis, protein sequencing, and molecular clon- ing are available. Send curriculum vitae to: Steven S. Smith, Shapiro Research Building, Room 5101, City of Hope National Medical Center, 1500 East Duarte Road, Duarte, CA 91010. Affirmative Action/Equal Op- portunity Employer.

POSTDOCTORAL POSITION

A postdoctoral position is immediately available to study the molecular biology of Chlamydia trachomatis. Relevant experience in recombinant DNA, immunology, and pathology is desirable. Send curriculum vitae and names of three references to: Dr. Luis M. de la Maza, M.D., Ph.D., Professor, Department of Pathology, Medical Sciences I, University of California Irvine, Irvine, CA 92717. Equal Opportunity Employer.

POSTDOCTORAL POSITION immediately available for recent Ph.D. to study the role of calmodulin and other Ca2+ binding proteins or of phospholipase A2 in cell functions. Candidates with background in enzymology or protein chemistry are preferred. Salary starts at $22,000 with excellent benefits. Send curriculum vitae and three letters of recommendation to: Dr. Wai-Tiu Cheng, Department of Biochemistry, St. Jude Children's Research Hospital, Memphis, TN 38101. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION, cell biology biochemistry: Position available immediately for studies of neurotroph stimulus-secretion coupling: GTP-Binding Proteins, subcellular fractionations, surface adhesions. Applicant should hold a Ph.D. Salary: $30,000 plus benefits. Send curriculum vitae (including names of three references) to: Steven Abramson, M.D., Chairman, Department of Rheumatology, Hospital for Joint Diseases, Orthopaedic Institute, 301 East 17th Street, New York, NY 10003. Equal Opportunity Employer.

POSTDOCTORAL POSITION (ASSISTANT RESEARCH SCIENTIST) available immediately in inhalation toxicology at the Sterling Forest location (Tuxedo, New York) of New York University in the Laboratory of Dr. M. J. Amster, Individual will work on project examining the pulmonary effects of acid particles. Experience in biochemistry, cell physiology, or molec- ular biology techniques will be considered. Send the study of pulmonary injury preferred. Send résumé and telephone numbers of two references to: Joan Harmon, Chair, Department of Urology Medi- cal Center, 550 First Avenue, New York, NY 10016. An Equal Opportunity Employer M/F.

POSTDOCTORAL POSITION (Ph.D. in microbi- ology, biochemistry, molecular biology, or genetics) in the laboratory of Ronald Yasbin is available to study gene regulation in Bacillus with emphasis on the development of strains that have enhanced production of secreted proteins. In addition to the basic molecular biology, this position will also involve interaction with the corporate sponsor of this research. Salary range from low to mid-twenty thousands commensurate with experience. If interested, send curriculum vitae and letter of recommendation to: Dr. Ronald Yasbin, Department of Microbiology and Immunology, University of Maryland Biotechnology Institute, Baltimore, MD 21228. MBAI is an Equal Opportunity Employer.

POSTDOCTORAL POSITION to study juvenile hormones from plant-parasitic and free-living nematodes and arthropods. Salary is $28,852. Send inquiries to: Dr. David J. Chitwood, Northeastern University Building 467, BARC-East, Beverly, MA 02780, or call: 301–344–3634. An Equal Opportunity Employer. Applications must be marked 9E015.
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Successful candidates will possess a Ph.D. in pharmacokinetics or toxicology with a research background in physiologically based pharmacokinetics. Must demonstrate experience in the development of PBPK models, a basic knowledge of physiology, and expertise in using simulation software, such as SimuSol. Good communication and writing skills and the ability to work as part of a team are also required.
Qualified candidates should submit their resume, including salary history and salary requirement, in confidence to:
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If you are interested in this position, please send your Curriculum vitae with a list of publications, plus the names of three references to Rita Gloor, Personnel Manager, Glaxo IMB S.A., 46, route des Acacias, 1211 Geneva 24, Switzerland.
Two Post Doctoral Positions Available Immediately

First project involves the purification and characterization of active components in the vaccine adjuvant Quil-A for use in second generation ISCOMs, immune-stimulatory complexes (Nature 306: 457-460, [1984]) primarily aimed for subunit HIV vaccines. Successful candidate should be well versed in biochemical separational and structural techniques such as HPLC, NMR and mass spectrometry. A Biophysicist with strong interest in immunology is preferred.

Second project will study changes in tumor-associated cell-surface carbohydrate antigens. Having defined such changes, we are now attempting purification, cloning and sequencing of the glycosyltransferases responsible for the observed changes. Successful candidate should have strong interest in tumor biology and experience with transfection, molecular cloning and sequencing techniques.

Interested candidates should submit curriculum vitae, a concise statement of research interests (including position preference) and the names and telephone numbers of three references to: Jan Thurn, M.D., The Wistar Institute, 36th & Spruce Streets, Philadelphia, PA 19104. Equal opportunity employer, M/F.
Tenure-Track Faculty Positions in Molecular Biology

Applications are invited for two positions of Assistant Professor (tenure track in the Faculty of Medicine, University of Manitoba). Successful candidates are expected to establish an outstanding independent research program in the area of molecular biology as part of an Oncology group studying malignant progression. The positions require only minimal departmental teaching responsibilities. Requirements include a Ph.D. in Biochemistry or a related field, or an M.D., with at least two years of Postdoctoral experience. Candidates with a strong research background in the structure and function of oncogenes, growth factors or gene regulation are preferred. Applicants must have obtained a significant publication record in peer-reviewed journals. Appointment at the Associate Professor level (tenured) may be considered for applicants who have demonstrated distinction in research and grant support. Applicants should send a curriculum vitae, three significant reprints, an outline of research plans, and the names of three references to:

Dr. A.H. Greenberg, Manitoba Institute of Cell Biology, 100 Oliva Street, Winnipeg, Manitoba Canada R3E 0V9

Deadline for receipt of applications is October 31, 1989.

Both men and women are encouraged to apply. In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents, although all are encouraged to apply.

Manitoba Institute of Cell Biology

RESEARCH SCIENTIST PROTEIN PURIFICATION

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The Mount Sinai Medical Center of New York

Nuclear Medicine Physician

The Andre Meyer Department of Physics-Nuclear Medicine at the Mount Sinai Medical Center, New York is seeking an experienced Board-certified nuclear medicine physician to participate in the department's programs including clinical practice, resident and postgraduate training and research. A PET center is in development and programs exist in radiochemistry, computers, labeled blood elements, bone densitometry, neuro, cardiac, bone and tumor imaging. Send c.v. and letter of interest to Stanley J. Goldsmith, MD, Director, Department of Physics-Nuclear Medicine, Box 1141, The Mount Sinai Medical Center, One Gustave L. Levy Place, New York, NY 10029-6574. An Equal Opportunity Employer.

Call: Gwen Canter (212) 730-1050
POSTDOCTORAL POSITION IN MOLECULAR BIOLOGY

Position is open fall 1989 to study the cell division gene cycle of Caenorhabditis elegans and the regulation of flagellar gene transcription during cell differentiation. Experience in molecular biology and the ability to work independently is useful. Address inquiries with curriculum vitae and names of three references to: Dr. Robert A. Gilbert, Department of Molecular Biology, University of California, Los Angeles, CA 90024.

POSTDOCTORAL POSITION AVAILABLE

Molecular biology of ion transport in vascular smooth muscle. Studies on both message and protein expression control will interface with cultured cell proliferation. NIH salary level. Some experience in molecular biology techniques preferred. Send curriculum vitae and three references to: Dr. Julius C. Allen, Section of Cardiovascular Sciences, Department of Medicine, University of California, Los Angeles, CA 90024.

POSTDOCTORAL POSITION available immediately to study EMC virus-induced diabetes. Projects include site-directed mutagenesis and construction of recombinant DNA models. Preference to recent Ph.D. experienced in cloning. Starting salary $24,000. Send curriculum vitae and names of three references to: Dr. W. R. Schiereck, Department of Neurology, University of California, Los Angeles, CA 90024.

POSTDOCTORAL POSITION—VIROLOGY/ VIRUS RECEPTORS/MOLECULAR IMMUNOLOGY. Project available in Department of Medicine, Harvard Medical School/Dana-Farber Cancer Institute. Available immediately or as late as 1 January 1990 for dynamic individual. Salary negotiable. Interested applicants should send curriculum vitae, description of research background, and names of three references to: Dr. D. S. Miller, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115.

POSTDOCTORAL RESEARCH ASSOCIATE to apply recombinant DNA technology to understand the role of a protein involved in microbial infection in humans. Competitive salary commensurate with experience. Send curriculum vitae and at least three references to: Dr. T. M. Custer, Department of Microbiology, Cornell University Medical College, 1230 York Avenue, New York, NY 10021.

POSTDOCTORAL RESEARCH ASSOCIATE position with NIEHS-Marine/Freshwater Biomedical Center to study chemical carcinogenesis in trout and other fish. Projects include histopathology, histochemistry, and ultrastructure of neoplasia in fish. Closing date: 15 October 1989. Send resume, transcripts, and three letters of recommendation to: Dr. Jerry Hendricks, Marine/Freshwater Biomedical Center, Galveston, TX 77550.

POSTDOCTORAL RESEARCH position at the University of Texas Southwestern Medical School to study the molecular basis of viral carcinogenesis. Send curriculum vitae and three references to: Dr. J. M. Hruban, Department of Pathology, University of Texas Southwestern Medical School, Box 117, North Campus, Dallas, TX 75235-0117. Telephone: 214-670-8530.

POSTDOCTORAL RESEARCH POSITIONS

Position available in Department of Biochemistry, Eastern Virginia Medical School, Norfolk, VA 23501.

POSTDOCTORAL RESEARCH ASSOCIATE

Position available for minimum of 1 year to study mammalian mannose-6-phosphate recognition and the role of DNA topoisomerases in this process. Project involves enzymology and molecular biological approaches so experience in recombinant DNA and/or protein biochemistry techniques is desirable. Send curriculum vitae and names of three references to: Dr. Frank J. Castor, Department of Biochemistry, Eastern Virginia Medical School, Norfolk, VA 23501.

POSTDOCTORAL RESEARCH POSITION

Participate in ongoing research into (i) the biochemical mechanisms of transformation by tumor virus tumors and (ii) the function of cellular proto-oncogenes (c-scr and c-fyn) and their activated counterparts. Studies will examine the action of these proteins in signal transduc-

tion and cell proliferation (Cell 49, 75; Mol. Cell. Biol. 8, 1736; EMBO J. 7, 8485). Applications are invited from those interested in research in molecular mechanisms of oncogenesis and cellular proliferation. Duration of appointment is expected to be 2 years. Please send curriculum vitae, a short summary of research interests, and names of three references to: Dr. Alan E. Smith or Dr. Seng H. Cheng, Department SC91, Genzyme Corporation, One Mount Bishop Street, Boston, MA 02170.

POSTDOCTORAL RESEARCH ASSOCIATE OR ASSISTANT PROFESSOR. Position immediately available for a neurophysiologist with experience in chronic unit recordings in freely moving animals (preferably rodents). Position funded for 3 years. Opportunities exist to do own work part-time, for switch to tenure-track, and for position as spouse. Salary range is $25,000 to $30,000, depending upon experience. Send curriculum vitae and names of three references to: G. Vogel, Emeritus University Sleep Laboratory, GMH1, 1256 Bralliff Road, Atlanta, GA 30322. Call: 404-894-5900. Emory University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE Positions are available to study the molecular basis of alteration in mammalian topoisomerase II associated with multidrug resistance or the molecular genetics of pyrimidine enzyme deficiency associated with hereditary orotic aciduria. Experience in molecular biology is preferred. Starting salary from $22,000. To apply, send curriculum vitae and names of three references to: Dr. D. Parker, Department of Biochemical and Molecular Biology, St. Jude Children’s Research Hospital, 332 North Lauderdale, Memphis, TN 38101. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH POSITION

One position is available to join a laboratory using transgenic animals to investigate the role of the major histocompatibility complex in human disease. Experience in experimental pathology, molecular biology, and/or cellular immunological research is required. Send curriculum vitae, bibliography, and names of three references to: Joel D. Taurog, M.D., Department of Internal Medicine, University of Texas Southwestern Medical School, 5323 Harry Hines Boulevard, Dallas, TX 75235-8884. Equal Opportunity Employer.

POSTGRADUATE POSITION at Pittsburgh Energy Technology Center—Activities in project management, control, and planning, which include monitoring and controlling technical, financial, and administrative aspects of projects. Duties include: preparation of contract requirements, and suggesting activities in the bioprocessing/biodegradation of coal. A background in microbiology and/or chemistry of coalification would be helpful. A graduate degree within last 3 years is required as is U.S. citizenship or FRA status. Contact: Fossil Power Plants/Engineering Education Division, Oak Ridge Associated Universities, P.O. Box 2488, Oak Ridge, TN 37830. Telephone: 615-867-0546 or 615-829-4594.

RESEARCH ASSOCIATE Perform experimental research on the mechanisms by which insulin regulates gene expression and study the role of insulin as a growth factor with special reference to its interaction with proto-oncogenes in regulation of cell division and differentiation using recombinant DNA technology and flow cytomtery and using knowledge of the mammalian endocrinology, hormone processing and binding, isolation and measurement of DNA and RNA, gel electrophoresis and spectrophotometry, and the kinship of enzyme activities. Ph.D. in physiology with emphasis on in vitro regulation. Insulin, insulin substrates, and/or the role of insulin in mammalian biology is required. Forty hours per week; $22,100 per year. Send resume to: Dr. J. M. P. Tom, Rockefeller University, 1230 York Avenue, New York, NY 10021. An Equal Opportunity Employer.

U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE SOUTHERN FOREST EXPERIMENT STATION

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ARCH BIOLOGIST. USDA-FS, Southern Forest Experiment Station, is seeking a research entomologist, research forester, research ecologist, or research biologist to lead a team of researchers studying the population dynamics and interactions of the southern pine beetle, host trees, and stands to improve management of the pest and to develop practical means of control. Salary range is GM-13-15 ($41,121 to $57,158). Information concerning the position may be obtained from: Personnel Manage-
ment, Room T-1010, USDA, 701 Loya Avenue, New Orleans, LA 70113. Telephone: 504-589-3921.

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POSTDOCTORAL RESEARCH ASSOCIATE

Five positions available this fall for a multidisciplinary approach to study peptidase and propeptide for biological and clinical applications. Candidates should have experience in the following areas: (i) peptide synthesis, (ii) immunochemistry, (iii) cell biology, (iv) HIV, (v) blood coagulation, and (vi) growth factors. Send curriculum vitae and names or letters of two references to: Dr. James P. Tama, Rockefeller University, 1230 York Avenue, New York, NY 10021. An Equal Opportunity Employer.

PROGRAM IN SOCIAL SCIENCE ASSISTANT PROFESSOR— CRIMINOLOGY/LAW AND SOCIETY

The program in Social Science, University of Californ-
ia, Irvine, has an opening for a person with research/teaching commitments in the area of the ecology of crime and delinquency. There is particular interest in research by a person who studies the development of criminal behavior or efforts to correct criminal behavior in terms of such factors as spatial arrangements, the physical environment, and crime policies related to it, population density, demographic change, and geography. Salary and benefits are compara-
tive to those at the very best universities, as are the expectations for scholarly productivity. Recruitment is for the subsmt within the Program in Social Science entitled Criminology, Law and Society. There are nine faculty members in that subsmt, with backgrounds in sociology, psychology, and planning, and a unique program of teaching. The Program in Social Ecology is an interdisciplinary academic unit that grants B.A., M.A., and Ph.D. degrees. Candidates should submit a brief letter, curriculum vitae, and a list of references to:

Chair, Search Committee for Criminology, Law and Society Program in Social Ecology University of California Irvine

Closing date for applications is 15 December 1989. The University of California is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.

SCIENCE, VOL. 245
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POSTDOCTORAL POSITIONS:

Biochemist/Enzymologist

FMC Corporation, a Fortune 150 leader in Agricultural Chemical R&D, is seeking a Ph.D. Biochemist/Enzymologist to join the research team in the discovery of insecticides.

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POSTDOCTORAL POSITIONS

Scientists

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Drug Research

Our Atherosclerosis Biochemistry Department requires experience in molecular biochemistry and recombinant DNA techniques. Interest in protein expression and characterization preferred. Research focus is on applying molecular biology techniques to discovery of drugs to treat and prevent hyperlipidemia and atherosclerosis. Respond to Dept. PGJ.

Biochemistry

Research

Our Biochemistry Department requires a PhD in Pharmacology, Biochemistry or Immunology, with experience in radioligand binding techniques and interest in receptor mechanisms. Focus is on improved understanding of interactions between transmitter systems at the receptor level—especially investigating specific interactions between the immune and nervous systems at the level of the receptor and the regulation of these events. Respond to Dept. PBS.

Enzyme Kinetics

Research

Our Enzymology Department requires a PhD in Molecular Biology, or Biochemistry with experience in enzyme kinetics. Will conduct research to isolate enzymes and to apply sophisticated kinetic and molecular approaches to delineate structure-function relationships. Will implement assays, study kinetic properties and define enzyme isoforms. Respond to Dept. PLW.

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Positions Open

Research Assistant/Associate

A position is available immediately for work on a center grant focusing on the biological effects of light on lipid phase transitions and miscibility. Requirements include superior programming expertise, a solid understanding of lipid/lipid crystal poly-mesomorphism and phase science, and an interest in tabular and graphical databases and database management. A Ph.D. in biochemistry or pharmacy, experience in experimental design and knowledge of protein chemistry and optimization techniques is desirable but not required. Applicants should submit curriculum vitae and a letter describing their interest in past experience and plans for a future career in research. A letter of reference and two letters of recommendation are also requested. The search will continue until the position is filled. All correspondence should be addressed to: Dr. J. N. Sherry, Department of Pharmacology, University of Washington, Seattle, WA 98195-7160.

Research Assistant Professor

The position is associated with the department's new molecular biology research program which is scheduled to begin in 1990. The program plans to make a major commitment to the development of biochemical approaches to the study of genetic regulation and the analysis of regulatory mechanisms in eukaryotic cells. The individual will be expected to establish an independent research group with a broad program of research designed to provide a framework for the development of graduate and postdoctoral education in the area of molecular biology. The position is open to both men and women. Applicants must have a Ph.D. degree and postdoctoral experience. Starting date: 1 July 1990. This is a nine-month, 100% appointment. The salary will be commensurate with the level of experience. For further information, contact: Dr. J. N. Sherry, Department of Pharmacology, University of Washington, Seattle, WA 98195-7160.
ALKERMES, Inc. is a private biomedical company focused on the development of innovative systems for drug delivery across the blood-brain barrier. We seek well-qualified scientists to address new product development. We have the following position available:

Biochemist/Cell Biologist

Seeking a B.S./M.S. level candidate with a strong background in the biological sciences and significant experience in a research laboratory. Familiarity with mammalian tissue culture, immunological methods, and analytical biochemical techniques would be advantageous.

We offer a competitive salary, excellent benefits package, and a stimulating work environment. If you are interested in being a major contributor to our success, please send your CV, including references, and a statement of interest in confidence to: Diane M. Welsh, Assistant to the President, Alkermes, Inc., 26 Landsdowne Street, Cambridge, MA 02139. An Equal Opportunity Employer.

Cardiovascular Pharmacologist

Parke-Davis Pharmaceutical Research Division, Warner-Lambert Company, is seeking a self-motivated, innovative scientist to actively participate in collaborative, multi-disciplinary research on novel treatments of cardiovascular diseases in the Pharmacology Department at their PHARMACEUTICAL RESEARCH FACILITY IN ANN ARBOR, MICHIGAN.

The position requires:
- BS/MS in biology, pharmacology, physiology or related field
- Experience in vascular muscle physiology, pharmacology and biochemistry desirable, including skills in isolated organ bath assays, biochemical assays, radioimmunoassay
- Excellent written and oral communication skills
- Outstanding ability to work as part of a team

Employment will be at our modern facilities adjacent to The University of Michigan campus. Interested, qualified applicants should send curriculum vitae and salary requirements, in confidence to: Mr. William Burmeister, Human Resources Representative, PARKE-DAVIS, 2800 Plymouth Road, Ann Arbor, Michigan 48105. "Smoke-Free Work Environment" "Equal Opportunity in Action"

BROOKHAVEN NATIONAL LABORATORY

Chair, National Synchrotron Light Source Department

Brookhaven National Laboratory is a multidisciplinary Laboratory that carries out basic and applied research. We are managed by Associated Universities, Inc. under contract with the U.S. Department of Energy. We are presently seeking a distinguished scientist to serve as Chair of the National Synchrotron Light Source (NSLS) Department.

As the brightest synchrotron light source in the world, the NSLS draws an international community of more than 1,000 scientists from 163 institutions to perform experiments. They carry out a wide range of innovative research in physics, chemistry, biology, materials sciences and various technologies.

Among the responsibilities of the NSLS Chairperson are to continue to build participation and commitment of the outside research community, to integrate the NSLS program with those of the BNL Research Departments, to ensure that the experimental capabilities at the NSLS are the best available and to plan for and carry out further development of the facility. One of the challenging ongoing commitments for the NSLS is a five-year project to construct a compact synchrotron for x-ray lithography.

Candidates should have a doctorate in physics, materials science or chemistry with extensive experience coupled with strong proven managerial capabilities and a recognized authority in his or her field. We are looking for an able leader with strengths in dealing with university and industrial leaders.

Brookhaven is situated on 5,000 acres in the heart of a region where numerous electronic and other technological companies have made their base. Applications and nominations should be sent by October 8, 1989 to Dr. J.D. Axe, Vice Chair, NSLS Search Committee, Bldg. 516A, Brookhaven National Laboratory, Associated Universities, Inc., Upton, NY 11973. Equal Opportunity Employer m/f.
AWARDS

THE ROSENSTIEL SCHOOL OF MARINE AND ATMOSPHERIC SCIENCE OF THE UNIVERSITY OF MIAMI SEeks Nominations FOR THE ROSENSTIEL Award

The Rosenstiel Award is presented annually to recognize outstanding achievement and distinction in oceanographic science. This year's award will be presented for excellence in the field of Marine and Atmospheric Chemistry. Nominations, including curriculum vitae and the names of three referees, should be sent by 31 October 1989 to:

Dr. Joseph M. Prospero, Chairman Rosenstiel Award Committee Division of Marine and Atmospheric Chemistry University of Miami 4600 Rickenbacker Causeway Miami, FL 33149–1098

FELLOWSHIPS

NSERC INTERNATIONAL POSTDOCTORAL FELLOWSHIP AT THE UNIVERSITY OF WATERLOO

The Department of Biology will be sponsoring one or more candidates for the 1990 competition for NSERC international fellowships (value $28,000 per annum). The fellowships enable doctoral graduates from outside of Canada to spend up to 2 years engaged in research at a Canadian university. Successful candidates will be expected to become associated with one of the research programs currently under investigation in the Department. The Department of Biology is a strong, research-oriented Department with 35 full-time faculty and over 100 graduate students and postdoctoral fellows. Research interests cover the spectrum of biological sciences. Applications and/or inquiries should be directed to Dr. R. G. H. Downer, Chairman, Department of Biology, University of Waterloo, Waterloo, Ontario, Canada, N2L 3G1. Application deadline: 13 October 1989.

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PHARMACOGENETICS: NIEHS TOXICOLOGY TRAINEESHIP POSTDOCTORAL POSITION available for U.S. citizen or persons with permanent visa. Individuals with a recent Ph.D. in pharmacology or a related field with an interest in pharmacogenetics should apply. The appointment is renewable annually for up to 3 years, with a minimum starting salary of $15,996. Available immediately. Send resume and three letters of reference to: Dr. J. E. Riviere, Laboratory of Toxicokinetics, College of Veterinary Medicine, North Carolina State University, Raleigh, NC 27606. Telephone: 919-823-4200.

TRAINEESHIP

PHARMACOKINETICS: NIEHS TOXICOLOGY TRAINEESHIP POSTDOCTORAL POSITION available for U.S. citizen or persons with permanent visa. Individuals with a recent Ph.D. in pharmacology or a related field with an interest in pharmacogenetics should apply. The appointment is renewable annually for up to 3 years, with a minimum starting salary of $15,996. Available immediately. Send resume and three letters of reference to: Dr. J. E. Riviere, Laboratory of Toxicokinetics, College of Veterinary Medicine, North Carolina State University, Raleigh, NC 27606. Telephone: 919-823-4200.

CONFERENCE

FIRST INTERNATIONAL CONFERENCE ON HUMAN ANTIBODIES AND HYBRIDOMAS 18–20 April 1990 Orlando (Lake Buena Vista), Florida Program Chairman: Mark C. Glassy, Ph.D., Biotechnology The Scientific program will consist of keynote lectures by invited speakers, contributed papers, and poster presentations emphasizing all aspects of human hybridomas and antibodies and fundamental research, applied science, and clinical applications. Deadline for abstracts: 15 October 1989. Contact: S. L. Peterson, Butterworths, 80 Montvale Avenue, Stoneham, MA 02180. Telephone: 617-438-8464, extension 234 or 242.

VERTEBRATE BIOLoGIST, assistant/associate professor, tenured-track, start January/August 1990. To teach anatomy/physiology and advanced course(s) in an area of specialty. Earned Ph.D. and ongoing research required. Postdoctoral research and teaching experience desired. Send curriculum vitae and three letters of reference to Search Committee, Biology Department, Purdue University Calumet, Hammond, IN 46323. Purdue Calumet is an Affirmative Action EQUAL EMPLOYMENT OPPORTUNITY University. For full consideration applications should be submitted by 13 October 1989.

WATER QUALITY SCIENTIST/ENGINEER.

Senior position; project management and technical report experience, Ph.D. or equivalent. Challenging applied projects for leading environmental science firm: oceanography, estuarine science, urban runoff, oil spills, waste discharges, environmental chemistry, and toxicity. Kinetics Laboratories, Inc., P.O. Box 1040, Santa Cruz, CA 95061 or 403 West 8th Avenue, Anchorage, AK 99501.

VIROLOGIST/IMMUNOLOGIST ASSISTANT PROFESSOR

Tenure-track position is available in the Department of Medical Microbiology and Immunology, Ohio State University College of Medicine, for either a retrovirologist, viral immunologist interested in neurological disease, or neuroimmunologist. Opportunities exist to collaborate closely with other groups involved in viral immunology, molecular virology, and neuroimmunology. The OSU Medical Center is one of the designated AIDS Clinical Trials Groups. Applicants should hold M.D. or Ph.D. degree, have at least 2 years of postdoctoral experience, and have a strong record of scholarly achievement. The candidate will be expected to establish an active research program and participate in medical and graduate student teaching programs. Send curriculum vitae, a summary of research interests, and three letters of recommendation by 1 January 1990 to: Caroline Whitacre, Ph.D., Chair of Search Committee, Department of Medical Microbiology and Immunology, The Ohio State University College of Medicine, 333 West 10th Avenue, Columbus, OH 43210. Telephone: 614-292-8525. The Ohio State University is an Equal Opportunity/Affirmative Action Employer.

FELLOWSHIPS

THE JOURNEY FELLOWSHIP IN BIOMEDICAL RESEARCH is offered annually by St. Jude Children’s Research Hospital in Memphis, Tennessee, to honor the memory of Dr. Leon Journey, a distinguished cell biologist and electron microscopist who served on the institution’s faculty for all 10 years of his tenure. Fellowship is open to a junior investigator with an M.D. or Ph.D. degree who seeks training experience in one of the specialty areas of biomedical research available at this center. These include biochemistry, immunology, tumor cell biology, pharmacology, pathology, radiation therapy, virology and molecular biology, pediatric oncology, hematologic malignancies, and infectious diseases. Journey fellowships are made for up to 2 years and are based on merit, recommendations and promise of a productive career in biomedical research. Stipends are highly competitive.

Application deadline: 1 January 1990
Award notification: 15 February 1990
Beginning date: 1 July 1990
Send inquiries to:
Allan Granoff, Ph.D., Deputy Director
St. Jude Children’s Research Hospital
P.O. Box 318
Memphis, TN 38101
Equal Employment/Affirmative Action Employer.

THE KARNOFSKY FELLOWS IN CANCER RESEARCH scholarship is for an investigator who is pursuing research in biotransformation or metabolism of therapeutic agents. A candidate must have a Ph.D. or M.D. degree, be under the direction of a research investigator at a U.S. institution. The fellowship provides a stipend of $17,000 plus benefits for 1 year to candidates with a strong record of scholarly achievement. The recipient will be expected to participate in the scientific research of the laboratory and to publish the results of his/her research. Application deadline: 1 January 1990
Award notification: 15 February 1990
Beginning date: 1 July 1990
Send inquiries to:
Allan Granoff, Ph.D., Deputy Director
St. Jude Children’s Research Hospital
P.O. Box 318
Memphis, TN 38101
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POSTDOCTORAL NUTRITION TRAINING at the University of Pennsylvania Medical Center (James L. Mullen, M.D., Program Director). Seven 1-year appointments available 1 July 1990. Four NIH-sponsored research traineeships in Cancer and Nutrition and three Clinical Fellowships in Nutrition/Metabolism are awarded on an equal opportunity basis. Research traineeships are available for M.D.’s with 2 years of residency training and Ph.D.’s. Individuals with 3 years of residency training may apply for the clinical fellowships. Deadline: 1 January 1990. Contact: Irene Feurer, M.S.Ed., Department of Surgery, 4 Silverstein Hospital, University of Pennsylvania Medical Center, Philadelphia, PA 19104. Telephone: 215-662-6156.
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