SCIENCE has 153,192* good reasons for being number one.

Number 2 has 35,192† reasons for coming in second.

The pre-eminence of SCIENCE as the definitive life science journal starts with our circulation, a full 435% greater than our nearest rival! But that's only one reason for our supremacy. SCIENCE reaches more doctoral scientists, more NIH/Hughes Institute grant recipients, more U.S. science policy leaders than any other publication. For working scientists who must keep in touch with the life sciences universe, there is no choice but to read SCIENCE. For businesses with products or services to sell them, there is no choice but to advertise in SCIENCE.

*ABC Audit, 6/88 †BPA Audit, 12/87
Personnel Placement

SCIENCE publishes each Friday, except the last Friday of the year. Advertising is accepted only in writing; no abbreviations. Any deadline in ad must be at least 2 weeks after date of issue in which ad appears. Also, personnel advertising is accepted only with the understanding that the advertiser does not discriminate among applicants on the basis of race, sex, religion, age, color, national origin, handicap, or sexual preference. SCIENCE reserves the right, in its discretion, to decline to publish advertisements submitted to it.

LINE CLASSIFIED ADVERTISING DEADLINES:
Thursday, 10 a.m. EST for all positions (mailed on issue date). For deadlines for display advertising, please contact Scherago Associates.

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

LINE CLASSIFIED (POSITIONS OPEN, COURSES, FELLOWSHIPS, MARKETPLACE, and so forth): $40.00 per line; $400 minimum, per week (minimum charge covers one inch on a single column; one inch equals 10 lines of 52 characters and spaces per line). No charge for use of box number. No agency commission for ads less than 4 inches. No cash discount. Prepayment required for all foreign ads. Purchase orders required for all other advertising.

To ESTIMATE ad cost:
Structure ad copy on a separate page, on lines of 52 characters and spaces. Include any desired heading. Each line of heading, and/or extra line 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 only 52 characters per line. In ESTIMATING the cost, multiply total lines × $400 = approximate cost of ad. (This is an approximate cost ONLY. Allow for variation between estimated lines and actual typewritten lines and the resulting final cost. Purchase orders must allow for some degree of flexibility and/or adjustment.)

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 m. TUESDAY, ONE week prior to issue date. Cancellations must be in writing.

Send copy for all Positions Wanted ads and Line Classified Advertising (on separate pages) for ad price to:

Scherago Associates, Inc.
304 Broadway
New York, NY 10036
Telephone: 212-329-6555

Send copy for Fractional Display ads, 1/8 page and larger, and all Marketplace ads to:

Scherago Associates, Inc.
P.O. Box 151, SCIENCE
Washington, DC 20005

Blind ad replies should be addressed as follows: Box (give number) 1333 H Street, NW Washington, DC 20005

POSITIONS WANTED

M.D. seeks a challenging position in biotechnical/biomedical/pharmaceutical industry or academia. Interested in P.E.T., M.R.I. and monoclonal antibodies. Background: Fellowship in biomedical engineering and board-eligible in nuclear medicine. Prefer California, will consider West, Southwest, or Florida. Telephone: 213-431-3689. Box 151, SCIENCE.

The University of Illinois at Chicago is seeking outstanding candidates for positions in ANALYTICAL CHEMISTRY, ORGANIC CHEMISTRY, BIOCHEMISTRY, AND INORGANIC CHEMISTRY. The appointments are expected at the assistant professor level (tenure track), though exceptional senior candidates will be considered (budget permitting). Excellent research record and potential is required. To ensure full consideration, applications including a résumé, list of publications, statement of research plans, and three letters of recommendation should be mailed by 15 October 1989 to: Jan Roeck, Head, Department of Chemistry (m/c 1111), University of Illinois at Chicago, Box 4348, Chicago, IL 60680. The University of Illinois is an Equal Opportunity/Affirmative Action Employer.

ANATOMIST

The Department of Anatomy, University of Saskatchewan, College of Medicine, invites applications for a faculty appointment at the rank of assistant professor. Applicants must have postdoctoral experience with a strong research program in anatomical sciences; however, research in functional, anatomical, and/or basic science is also considered. The successful candidate will be responsible for teaching gross anatomy to physical therapy students. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.

Application, including curriculum vitae, names of three referees, and an outline of proposed research and previous teaching experience should be submitted by 1 December 1989 to:

Dr. G. D. Burkholler
Department of Anatomy
College of Medicine
University of Saskatchewan
Saskatoon, Saskatchewan
Canada, S7N 0W0

Yale University. The Department of Chemistry invites applications for a position at the ASSISTANT PROFESSOR level. Effective academic year 1990. We seek bright teacher-scholars who show promise for developing outstanding research programs in experimental physical chemistry.

Applications should send curriculum vitae, a statement of research interests and plans, and should arrange for the submission of three letters of recommendation. All materials should be received by 15 November 1989. Send applications to: Professor Donald M. Crothers, Chairman, Faculty Search Committee, P.O. Box 6666, New Haven, CT 06511-8118. Yale University is an Equal Opportunity/Affirmative Action Employer.

The Department of Psychology at Northwestern University, Evanston, Illinois, is searching to fill tenure-track positions at the ASSISTANT PROFESSOR level in the following areas for the fall of 1990.

(i) CLINICAL PSYCHOLOGY. Applicants must have demonstrated excellence in research and teaching in order to contribute to a scientist-practitioner program with a strong emphasis on clinical research.

(ii) COGNITIVE PSYCHOLOGY. Candidates in any subfield are encouraged to apply.

(iii) SOCIAL PSYCHOLOGY. Areas of special interest include social psychology, law and social science, statistical methodology, and decision science.

Candidates should send a statement of research interests, curriculum vitae, copies of recent publications, and three letters of recommendation to: The Clinical, Cognitive, or The Social Search Committee at the Department of Psychology, Northwestern University, Evanston, IL 60208–2710, by 15 November 1989.

For more information, write: Raymond Orkwis
AAAS Arms Control Colloquium
American Association for the Advancement of Science
1333 H Street, NW
Washington, DC 20005
(202) 326-6490

POSITIONS OPEN

The University of Illinois at Chicago is seeking outstanding candidates for positions in ANALYTICAL CHEMISTRY, ORGANIC CHEMISTRY, BIOCHEMISTRY, AND INORGANIC CHEMISTRY. The appointments are expected at the assistant professor level (tenure track), though exceptional senior candidates will be considered (budget permitting). Excellent research record and potential is required. To ensure full consideration, applications including a résumé, list of publications, statement of research plans, and three letters of recommendation should be mailed by 15 October 1989 to: Jan Roeck, Head, Department of Chemistry (m/c 1111), University of Illinois at Chicago, Box 4348, Chicago, IL 60680. The University of Illinois is an Equal Opportunity/Affirmative Action Employer.

ANATOMIST

The Department of Anatomy, University of Saskatchewan, College of Medicine, invites applications for a faculty appointment at the rank of assistant professor. Applicants must have postdoctoral experience with a strong research program in anatomical sciences; however, research in functional, anatomical, and/or basic science is also considered. The successful candidate will be responsible for teaching gross anatomy to physical therapy students. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.

Application, including curriculum vitae, names of three referees, and an outline of proposed research and previous teaching experience should be submitted by 1 December 1989 to:

Dr. G. D. Burkholler
Department of Anatomy
College of Medicine
University of Saskatchewan
Saskatoon, Saskatchewan
Canada, S7N 0W0

Yale University. The Department of Chemistry invites applications for a position at the ASSISTANT PROFESSOR level. Effective academic year 1990. We seek bright teacher-scholars who show promise for developing outstanding research programs in experimental physical chemistry.

Applications should send curriculum vitae, a statement of research interests and plans, and should arrange for the submission of three letters of recommendation. All materials should be received by 15 November 1989. Send applications to: Professor Donald M. Crothers, Chairman, Faculty Search Committee, P.O. Box 6666, New Haven, CT 06511-8118. Yale University is an Equal Opportunity/Affirmative Action Employer.

The Department of Psychology at Northwestern University, Evanston, Illinois, is searching to fill tenure-track positions at the ASSISTANT PROFESSOR level in the following areas for the fall of 1990.

(i) CLINICAL PSYCHOLOGY. Applicants must have demonstrated excellence in research and teaching in order to contribute to a scientist-practitioner program with a strong emphasis on clinical research.

(ii) COGNITIVE PSYCHOLOGY. Candidates in any subfield are encouraged to apply.

(iii) SOCIAL PSYCHOLOGY. Areas of special interest include social psychology, law and social science, statistical methodology, and decision science.

Candidates should send a statement of research interests, curriculum vitae, copies of recent publications, and three letters of recommendation to: The Clinical, Cognitive, or The Social Search Committee at the Department of Psychology, Northwestern University, Evanston, IL 60208–2710, by 15 November 1989.

For more information, write: Raymond Orkwis
AAAS Arms Control Colloquium
American Association for the Advancement of Science
1333 H Street, NW
Washington, DC 20005
(202) 326-6490
The Department of Laboratory Medicine has an opening at the Assistant Professor level, either in the Adjunct or In-Residence series. A Ph.D. or M.D. is required with postdoctoral experience and a strong commitment to independent research. The candidate is expected to work closely with clinicians, be technically innovative, and be capable of transferring technology from research to the clinical laboratory setting. Experience with instrumentation development is desirable. The candidate should also have his/her own research lab to generate independent research support. Interested individuals should write to:

Y. W. Kan, M.D., Chair, Search Committee, University of California, San Francisco, CA 94143-0724. UCSF is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply. Deadline for receipt of applications is 1 November 1989.

The Department of Microbiology, University of Minnesota, invites applications for a tenure-track position at the ASSISTANT PROFESSOR level available 1 April 1990. Candidates are expected to develop independent research programs in the general area of molecular pathogenesis, immunology and virology and to obtain extramural funding to support research activities. Candidates must have a Ph.D. or M.D. degree and be committed to teaching at the undergraduate, graduate, and continuing medical education levels. Experience in instrumentation development is desirable. Women and minorities are encouraged to apply. UMN is an Affirmative Action/Equal Opportunity Employer.

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

ASSISTANT PROFESSORS—cell biology. The Cell Biology and Anatomy Department has four newly created positions open for tenure-track assistant professors in cell biology. A major research focus of the department will concern intracellulare protein translocation, vesicular transport, and membrane and organelle assembly. Candidates with expertise in cell biology and/or related molecular genetic techniques. Freshly renovated space and extensive research support facilities will be available. Applicants working in other relevant areas will be considered. Some of these appointments may be made at the rank of associate or full professor if appropriate. Ph.D.’s with demonstrated research productivity should send curriculum vitae, one-page summary of research accomplishments, five representative publications, and a list of three references. The application deadline is 15 May 1989. The University of Minnesota is an Equal Opportunity Educator and Employer.

The University of Colorado Health Sciences Center invites applications for the following positions:

**ASSISTANT PROFESSOR, HEMATOLOGY**

The Department of Medicine in the Division of Hematology/Oncology is seeking a Hematologist with special interest in bone marrow transplantation. Applicants must have a Ph.D., M.D. or equivalent degree and be board certified in hematology oncology. Experience with bone marrow transplantation is desirable. Applicants should submit curriculum vitae, bibliography, and the names and addresses of three professional references by 15 January 1989. The University of Colorado Health Sciences Center is an Equal Opportunity Employer.

**ASSISTANT PROFESSOR, INFECTION AND IMMUNITY**

The Department of Medicine and Immunology in the Division of Immunology is seeking an Assistant Professor with expertise in the field of infection and immunity. The candidate should have a Ph.D. or M.D. with postdoctoral experience. Experience in instrumentation development is desirable. Women and minorities are encouraged to apply. UCHSC is an Equal Opportunity Affirmative Action Employer.

**ASSISTANT PROFESSOR, MOLECULAR AND CELLULAR BIOLOGY**

The Department of Anatomy and Cell Biology at the University of Colorado Health Sciences Center is seeking a candidate for a tenure-track assistant professor position with expertise in molecular and cellular biology. Applicants should have a Ph.D. or M.D. degree with postdoctoral experience and an active program of research. Experience in instrumentation development is desirable. Women and minorities are encouraged to apply. The University of Colorado Health Sciences Center is an Equal Opportunity Affirmative Action Employer.
Discover a bright future at Sterling Research Group, the worldwide pharmaceutical research and development organization of Sterling Drug Inc. As a subsidiary of Eastman Kodak, what makes Sterling outshine the rest is the unbeatable combination of a small, friendly company environment and the depth, resources, and growth potential of a large multinational corporation. Discover Sterling today by applying for this position in our Natural Products Biology Department.

STERLING CAREERS

Research Biologist

This position will involve the testing and evaluation of Natural Product samples for specific in vitro biological activities. Responsibilities will include the following: validating existing molecular pharmacology protocols for Natural Products samples; processing samples (primarily from fermentation cultures) for biochemical testing; analysis of data generated by these tests, including but not necessarily limited to receptor binding and enzyme inhibition assays; and management of the biological database for these results.

The successful candidate will have a BS/MS in Biochemistry or related field with a strong background in enzymology, receptor biology or immunology techniques. Candidate must also be familiar with biochemical testing methodology including but not necessarily limited to ligand-receptor interactions. Familiarization with computer-based data handling and database management as well as a working knowledge of microbiological techniques is desirable.

In exchange for your talents, we offer a competitive salary and benefits package and outstanding career opportunities for personal and professional growth. For confidential consideration, please forward your resume with salary history/requirements to Employee Relations, SRG55, Sterling Research Group, A Division of Sterling Drug Inc., 81 Columbia Turnpike, Rensselaer, NY 12144. Equal Opportunity Employer M/F/H/V.

STERLING RESEARCH GROUP
A Subsidiary of Eastman Kodak Company
Build A Future With Sterling.

VICE PRESIDENT FOR ACADEMIC AFFAIRS AND DEAN, SCHOOL OF MEDICINE

Medical College of Ohio

The Medical College of Ohio, a free-standing institution located in suburban Toledo, Ohio, invites nominations and applications for the combined position of Vice President for Academic Affairs and Dean of the School of Medicine.

As Vice President for Academic Affairs, the incumbent is a member of the College's administrative core, responsible to the President for education and research in the School of Medicine, Graduate School and the Schools of Nursing and Allied Health. These responsibilities include interactions with affiliated teaching hospitals and other organizations, planning for capital needs, and working interactively with other administrative offices to implement the missions of the College. The Vice President reviews all recommendations from the four schools for faculty actions, for budgets and for changes in policy before they are submitted to the President.

As Dean, the incumbent serves as the chief executive of the School of Medicine, and provides academic and administrative leadership for a faculty of 253 full-time, 40 part-time and 750 volunteer members. The School enrolls approximately 550 students in curricula leading to the M.D. or the joint M.D.-Ph.D. Degrees. The School's budget for the 1989-1990 academic year is approximately $50 million. The budget does not include the budget for the Medical College of Ohio Hospital or compensation for full-time faculty that is derived from patient care. The Dean represents the School of Medicine to the Board of Trustees, President, and to external audiences in the public and private sectors. Other responsibilities include short- and long-range planning and the identification and attraction of financial resources for the School.

The Medical College of Ohio has outstanding modern educational, research and clinical facilities. We seek an energetic and highly interactive Vice President for Academic Affairs and Dean who will assist in promoting the future development of the College.

Applications with curriculum vitae and nominations may be submitted for confidential review by the Search Committee to:

Chairman, Search Committee for Vice President for Academic Affairs and Dean, School of Medicine
Office of the President
The Medical College of Ohio
P.O. Box 10008
Toledo, Ohio 43699-0008

Review of applications and nominations will begin immediately and will continue until an appointment is made.

In employment, as in education, The Medical College of Ohio is committed to affirmative action and equal opportunity.
POSITIONS OPEN

CELLULAR NEUROPHYSIOLOGIST/ANIMAL PHYSIOLOGIST (SEARCH REOPENED):
The Department of Biology at Bryn Mawr College has a tenure-track opening for a highly qualified young investigator having an active interest in both research and teaching. The successful candidate will be expected to establish a funded research program and to participate in the undergraduate and graduate teaching programs of the department.

CHEMIST, ANALYTICAL (RESEARCH SCIENTIST V): Conducts research in analytical chemistry with an emphasis on environmental samples, sample collection, QA/QC, utilizing graphite furnace atomic absorption spectroscopy. For graphic furnace atomic absorption spectroscopy, including determination of metals at ultratrace levels in solid waste, soils, and sediments. Supervises and manages New York State Environmental Laboratory Approval Program, utilizing background and experience in analytical chemistry. Teaches graduate courses in analytical and environmental chemistry and assists in developing curriculum for same. Provides technical support and advice on other laboratory procedures. Supervises 20 to 25 others. Must have 3 years of prior teaching experience on graduate student level and 3 years of experience in laboratory management and mini- mum of 16 career research papers. Ph.D. analytical chemistry and 3 years of experience in job or 3 years of experience as associate professor, professor, or senior lecturer of analytical chemistry required. Thirty-seven and a half hours per week; $57,468 per year. Send resume to: Albany Job Service Office, Attention: Mr. J. M. Reidel 13/711 Ontario Streegets, Albany, NY 12206. Refer to Job Order #0402957. DOT Code 022.061-010.

COGNITIVE NEUROPHYSIOLOGIST (POSITION EMISSION TOMOGRAPHY): The University of California at Irvine is seeking a neurophysiologist to participate in collaborative studies of human cognition and perception in the Imaging Center, and who will be a member of the Positron Emission Tomography (PET) Facility. Requirements include a Ph.D. in neurosciences or other relevant area, strong interest in human brain function, facility with computing, electromechanical devices, and data analysis. The appointment will be made at the assistant professor or assistant researcher level. The research involves recording of local brain metabolic rate and scalp-evoked potentials in normal subjects and in patients during cognitive tasks with neurological and psychiatric diseases; to: Dr. Fred A. Adolph, Chairman, Search Committee, University of California, Irvine, Irvine, CA 92717. An Affirmative Action/Equal Opportunity Employer.

DEAN, College of Pharmacy, University of Utah. A distinguished educator/scholar is sought to provide educational, scientific, and fiscal leadership for the college. The college is a research institute in the College of Medicine, reporting directly to the Vice President for Health Sciences. The College of Pharmacy is research-intensive and is a significant contributor to the graduate education. Applications will be accepted until 1 November 1989 or until a suitable candidate is identified. Faculty will be expected to participate in teaching, research, and service activities. Applicants should write to: Arthur D. Broom, Ph.D., Chairman of the Search Committee, College of Pharmacy, 130 North 200 East, Salt Lake City, UT 84112. The University of Utah is an Equal Opportunity/Affirmative Action Employer; applications from qualified female/minority candidates are encouraged.

DIRECTOR OF TOXICOLGY

Indiana University School of Medicine is seeking a Director for the Toxicology Division within the Department of Pharmacology and Toxicology. The Director should have a solid background in regulatory toxicology and the ability to manage a strong research and academic program in toxicology. The Director will also manage the State Department of Toxicology, which is responsible for toxico- logical testing and licensing of laboratories. Applicants should hold a Ph.D. degree in pharmacology and/or toxicology, or an M.D. degree. Experience in forensic toxicology and a minimum of 5 years of experience in the area of toxicology are required. Applicants should also have a demonstrated ability to secure research funds and participate in the development and management of research projects. Applications or nominations along with curriculum vitae and the names of three references should be sent to: Dr. Michael R. Vasko, Chairman, Search Committee, Department of Pharmacology and Toxicology, Indiana University School of Medicine, 635 Barnhill Drive, Indianapolis, IN 46202-5120. An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CONSERVATION BIOLOGY UNIVERSITY OF MARYLAND AT COLLEGE PARK

DEPARTMENT OF ZOOLOGY

Applications are invited for a tenure-track position from individuals with strong records of basic research in ecology, evolution, or behavior, and with demonstrated experience in conservation biology. Rank is open. This individual will participate in the development of a new, interdisciplinary graduate program in conservation biology, maintain an active research program, and contribute to graduate and undergraduate teaching. Send curriculum vitae, pertinent reprints, a statement of research interests, and names of three references to: Dr. J. D. Allan, Department of Zoology, University of Maryland, College Park, MD 20742. Closing date: 1 November 1989. Suitable candidates should be sent to: The University of Maryland is an Equal Opportunity/Affirmative Action Employer.

ECOLOGICAL GENETICIST COLORADO STATE UNIVERSITY

The Department of Biology invites applications for a 9-month, tenure-track position in ecological genetics at the assistant professor level, available August 1990. Primary emphasis is on the population genetics and evolutionary dynamics of natural populations of plants or animals in the context of ecological/evolutionary questions. Applicants must possess a Ph.D. in a relevant area who can provide evidence of excellence in teaching and research; postdoc- toral experience is desirable. We seek an individual who is thoroughly conversant with modern theory in population genetics, evolutionary biology, and ecology, and who is actively involved in testing such theory, preferably using molecular techniques. The successful candidate will be expected to develop a vigorous, externally funded, research program and to interact with the large community of ecologists at the university. Teaching responsibil- ities will include an advanced course in ecological/popula- tion genetics, introductory biology and/or evolution courses, and a graduate seminar. Applicants should submit curriculum vitae, selected reprints, and a letter summarizing current and background research and teaching goals, and should arrange to have three letters of recommendation sent by 15 December 1989 to: Dr. John A. Wiens, Ecological Genetics Search Committee, Department of Biology, Colorado State University, Fort Collins, CO 80523. Colorado State University is an Affirmative Action/Equal Opportunity Employer. E.O. Applica- tion: 314 Student Services Building.

ENDOCRINOLOGIST: Department of Comparative Medicine tenure-track position available. Require- ments: M.D. or D.V.M. in endocrinology. Independent research interest in the effects of environmental or occupational factors on the reproductive system and risk factors, reproductive function and behavior. Rank and salary commensurate with experience. Contact: Dr. Robert P. D. Rawson, 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.

ENVIRONMENTAL CHEMISTRY

The College of Public Health at the University of South Florida is seeking applicants for a tenure-earning faculty position in the Department of Environmental and Occupational Health. Salary and rank are commensurate with experience. The candidate must have a doctoral degree in chemistry or related field, and educational or employment experience in public health. The successful candidate is expected to develop both teaching and research activities at the graduate level. Curriculum vitae, three letters of reference, and a brief statement of research interests should be sent to: Dr. Charles L. Noss, Sc.D., Environmental Health Faculty Search Committee, College of Public Health, MHH-104 University of South Florida, 4202 E. Fowler Avenue, Tampa, FL 33612. Applications must be received no later than 15 No- vember 1989. The University of South Florida is an Equal Opportunity/Affirmative Action Employer.
ECOLOGIST: The Department of Biological Sciences at California State University, Chico, invites applications for a tenured assistant professorship beginning 1990-1991 academic year. Candidate must have a Ph.D., specialization in an area of ecology, strong commitment to teaching at undergraduate and graduate level, and demonstrated ability to develop a rigorous research program which will complement a strong departmental ecology group. Responsibilities include teaching courses in ecology and field biology and in the candidate's area of specialization. Applicants should submit a letter of application, curriculum vitae, complete academic transcripts, copies of résumé, and three letters of reference to: Dr. William F. Derr, Chair, Department of Biological Sciences, California State University, Chico, CA 95929-0618 by 15 November 1989. An Equal Employment Opportunity/Affirmative Action IRCA Employer.

FULL PROFESSOR—ENVIRONMENTAL ANALYSIS AND DESIGN

The Program in Social Ecology at the University of California, Irvine, is recruiting a senior professor in the area of Environmental Analysis and Design. Candidates must have achieved international recognition for outstanding scholarship in one or more of the following fields: urban and regional planning, facility planning and environmental design research. Salary and benefits competitive with the best research universities.

The Program in Social Ecology grants B.A., M.A., and Ph.D. degrees. The 35 full-time faculty have multidisciplinary interests and include urban planners, architects, environmental health specialists, psychologists, sociologists, demographers, criminologists, and lawyers. The Program offers a Ph.D. concentration in Environmental Analysis and Design and M.A. concentrations in Urban and Regional Planning and Facility Planning and Management. The selected candidate will be expected to provide leadership in the development of these areas of the Program. The Social Ecology Building houses a full-scale environmental simulation laboratory, as well as environmental health and group dynamics laboratories.

Submit letter of application, curriculum vitae, and names of three references to:
Dr. Daniel Stokols, Director
Program in Social Ecology
University of California, Irvine, CA 92717

Closing date for applications is 15 December 1989. The University of California is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW

The Department of Lipid and Lipoprotein Metabolism, SANDOZ Research Institute, seeks a recent graduate (0-3 years) with a doctoral degree in the Life Sciences. This 2-year position will provide postdoctoral training in the characterization of rodent transgenic for key determinants of cholesterol transport and metabolism. The successful candidate will be an energetic scientist, with broad training in both biochemical and recombinant DNA techniques. Some knowledge of lipoprotein metabolism would also be useful. He or she will pursue collaborative research with physiologists and molecular biologists in an exciting and well supported multidisciplinary environment.

Positions at Sandoz offer personal satisfaction, professional opportunity/challenge, a competitive salary and excellent benefits package. Our campus-like facilities are conveniently located in Northern New Jersey. For prompt consideration, please reply to position #99 by forwarding your resume with salary requirements in confidence to:
Rob N. Saunders, Ph.D.
Director, Human Resources 403/1
Sandoz Research Institute
SANDOZ PHARMACEUTICALS CORP.
East Hanover, New Jersey 07936

An Equal Opportunity Employer M/F/H/V

SANDOZ
Bringing research to life
ENDOWED OSCAR M. COHN '34 PROFESSOR OF BIOCHEMISTRY AND CHAIRMAN, DEPARTMENT OF BIOCHEMISTRY
DARTMOUTH MEDICAL SCHOOL

Applications and nominations are invited for an endowed professorship and chairperson of the Department of Biochemistry at Dartmouth Medical School. The department has responsibilities for the education of undergraduate, medical, and graduate students. The current departmental chairperson is a leading molecular biologist and is well funded from federal sources. We are seeking candidates who have an outstanding record of research achievement in the field of biochemistry or molecular biology and who are able to provide strong leadership to an already excellent department. Candidates should have a doctorate degree in a relevant discipline, experience in an academic center, and credentials for appointment as a professor. Interested individuals should forward curriculum vitae and the names and addresses of three references to: Dr. Edward Bresnick, Chairman of the Biochemistry Search Committee, Department of Pharmacology and Toxicology, Dartmouth Medical School, Hanover, NH 03756. Dartmouth Medical School is an Affirmative Action Employer and encourages the application of women and minorities.

FACULTY POSITION, MICROBIOLOGY UCLA

The Department of Microbiology, College of Letters and Science, University of California, Los Angeles, has a tenure-track opening for a molecular biologist. The primary areas of recruitment interest are (i) molecular genetics of yeast and (ii) molecular aspects of archaeabacteria. A Ph.D. degree or equivalent as well as several years of postdoctoral experience in microbiology, molecular biology, or a related field is required, with evidence of research accomplishment and teaching abilities. The individual selected will be expected to establish a strong research program as well as participate in undergraduate and graduate student teaching. Title and salary (initially competitive) are commensurate with qualifications and experience with preference for an entry-level position. Applicants should send a letter of application, curriculum vitae, summary of research accomplishments and teaching experiences, and the names and addresses of three references to: Dr. Virginia L. Miller, Department of Microbiology, UCLA, 405 Hilgard Avenue, Los Angeles, CA 90024. Deadline for applications is 15 December 1989. UCLA is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

IVF EMBRYOLOGIST

The Division of Reproductive Endocrinology at Hurley Medical Center in Flint, Michigan, offers an opportunity in a new IVF Laboratory to a highly motivated individual with a minimum of B.S./M.S. in biology, zoology, or related area is required for a new IVF Laboratory. Experience in third trimester pregnancy, IVF, and cryobiology is preferred. Affiliation with a well-established IVF Laboratory will provide initial orientation and additional training if required. Competitive salary, dependent upon experience, and generous benefits to qualified candidates. Academic appointment and research opportunity available. Please send curriculum vitae to: Mostafa Abuzeid, M.D. Director of Reproductive Endocrinology Assistant Professor of Obstetrics/Gynecology Michigan State University College of Human Medicine Two Hurley Plaza, Suite 205 Flint, MI 48503

MOLECULAR BIOLOGIST—Manufacturer of In Vitro Diagnostic Devices has an immediate opening in the area of Antisera screening research. Requirements include a B.A. or B.S. in molecular biology or a related field and an understanding of technical aspects of laboratory-based evaluations. SALES AND MARKETING—Openings also exist in the areas of sales and marketing for individuals with similar backgrounds. Please send résumé, salary history, and a letter of application and salary history to: Personnel Manager Piel-Freeze Clinical Systems 9099 North Deerbrook Terrace Eagan, MN 55123 Telephone: 800-558-4511 or 414-357-4500

FACULTY POSITIONS: Department of Neurobiology and Behavior—SUNY Stony Brook. The Department of Neurobiology and Behavior of SUNY Stony Brook is continuing its search for candidates for tenure-track, state-funded positions in cellular, developmental, molecular, and clinical neurobiology, beginning as early as academic year 1989 to 1990. The department, which currently consists of 13 members, is undergoing significant redevelopment and has the resources to grow to 20 members within the next 5 years. Presently available positions are at the assistant professor level although an appointment at the rank of associate professor could be considered. Rank and salary will be commensurate with qualifications. All applicants should have a minimum of 2 years of postdoctoral experience. Candidates should have a vigorous independent research program, and as such ample space and start-up funds will be provided. Applicants will also be expected to participate in undergraduate, graduate, and postdoctoral training. The current department has excellent facilities and a small, energetic research environment. Ph.D. in Neuroscience or related field is required. Salary is competitive. Review of applications begins immediately and will continue until the positions are filled. Application deadline is December 1, 1989.

FISHERIES/AQUATIC BIOLOGIST

Ebasco Environmental, the environmental consulting division of Ebasco Services, has the following position available in its Arlington, Virginia, office for a fisheries/aquatic biologist with experience in the following disciplines: (i) detailed knowledge of U.S. Fish and Wildlife Instream Flow Incremental Methodology (IFIM). Must be IFIM-certified; (ii) additional experience in stream temperature modeling desirable; (iii) hydrolickening and relicensing, water resources, project development, and agency consultation experience preferred. We are seeking an individual with expertise in multiple disciplines to support the aquatic resources program. Salary is competitive and benefits are commensurate. Please send résumé to: Dennis McCance, Ebasco Services Inc., 160 Chubb Avenue, Lyndhurst, NJ 07071.

WETLAND ECOCOLOGIST

Ebasco Environmental's Northern New Jersey office is seeking a wetland ecologist with experience in field delineation of wetlands using multi-parameter methodology, or in design of freshwater wetland mitigation plans. Good oral and written communication skills essential, advanced degree preferred but not required. Ebasco offers excellent growth opportunities as well as competitive salaries and a comprehensive benefits package. Please send résumé including salary history/requirements to: T. A. Caparo, Ebasco Services Inc., 160 Chubb Avenue, Lyndhurst, NJ 07071.

MICROBIOLOGIST/CELL BIOLOGIST: Applications are invited for an assistant or associate professor position in the Biology Department of Western Michigan University, Kalamazoo, Michigan, starting in January 1990. At commencement of duties, the successful candidate will be expected to teach at all levels and to establish a vigorous research program. The area of research is open. Tenure is contingent on successful completion of a research program. Salary competitive. Please send letter of application, curriculum vitae, and the names and addresses of three references to: Dr. P. H. Tanchen, Biology Department, Western Michigan University, 1903 W. Michigan Ave., Kalamazoo, MI 49008. The University of Rochester is an Equal Employment Opportunity Employer.

FACULTY POSITIONS, MOLECULAR Virologist

The Department of Microbiology and Immunology, University of Rochester, School of Medicine and Dentistry invites applications for a tenure-track appointment at the level of assistant professor in the area of viral or bacterial genetics. Applicants should have an interest in the area of trying to develop and understand the pathogenesis of viral or bacterial infections. We are currently interested in areas of viral oncology including retroviruses, hepatitis viruses, and herpes viruses. The Department has a well-equipped laboratory space for virology and molecular biology. Opportunities exist for several investigators in collaboration with faculty whose interests are in human papillomavirus, flaviviruses, HIV and the clinical aspects of cytomegalovirus in the newborn. The Medical School has a comprehensive Cancer Center and center for drug and vaccine testing for HIV. Applicants should have a Ph.D. and at least 2 years of relevant postdoctoral experience. Send curriculum vitae, outline of research interests and goals, and the names, addresses, and telephone numbers of three references to: Dr. Dennis McCance, Chairman, Virology Search Committee, Department of Microbiology and Immunology, Box 672, University of Rochester, 601 Elmwood Avenue, Rochester, NY 14642.

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

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 is 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. Jacobs, Professor and Chairman, Department of Physiology and Biophysics, Medical College of Ohio, P.O. Box 10088, Toledo, OH 43699. MCIO is an Equal Opportunity/Affirmative Action Employer.
**POSITIONS OPEN**

**ORGANISMAL BIOLOGIST**

The Department of Organismal Biology and Anatomy invites applications for a tenure-track position. The department has a broad interest in the mechanisms and evolution of organismal function, and wishes to appoint a new faculty member who has research interests that complement or build on the department's strengths in the areas of evolutionary morphology, animal physiology, biomechanics, and neuroethology. The successful candidate should pursue a vigorous, independent research program using either invertebrates or vertebrates in an area that has organismal consequences. Such areas include comparative physiology, endocrinology, reproductive biology, comparative immunology, neurobiology, as well as many others. Applicants should send curriculum vitae, statement of research interests, and names of references to: Dr. Philip S. Ulinski, Department of Organismal Biology and Anatomy, 1025 East 57th Street, Chicago, IL 60637. The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

**POSTDOCTORAL ASSOCIATE**

A postdoctoral position is available to study transcriptional control. The overall objective is to isolate and clone factors that regulate mRNA expression during the early development of Xenopus laevis. A recently published paper that is relevant to this work is Genes Dev. 3:803–815, 1989. Please send curriculum vitae and the names, addresses, and telephone numbers of three references to: Dr. Daniel L. Kilpatrick, c/o Personnel Office, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, MA 01545. An Equal Opportunity/Affirmative Action Employer M/F/H.

**POSTDOCTORAL ASSOCIATE**

Postdoctoral position available immediately to identify cis- and trans-acting elements involved in cell-specific expression of opioid peptide genes. This is a fully funded position. Experience with recombinant DNA techniques is desirable but not required; however, a strong background in biochemistry is necessary. Send a complete biographical sketch, including research experience and bibliography, and the names, addresses and telephone numbers of three references to: Dr. John D. Weete, Department of Botany and Microbiology, Auburn University, AL 36849. Affirmative Action/Equal Opportunity Employer. Applications from minorities and women are encouraged.

**POSTDOCTORAL POSITION**

Available immediately in Arteriosclerosis SCOR program to investigate lipoprotein metabolism and atherosclerosis, using biochemical and molecular biological approaches. U.S. citizen or permanent resident. Send curriculum vitae to: Dr. Alan Tall, Department of Medicine, Columbia University, New York, NY 10032.

**POSTDOCTORAL POSITION**

To investigate mechanisms involved in adaptation of pituitary cells to increases in cytosolic Ca2+, with emphasis on identifying the processes involved. The position is available 1 January 1990. Send curriculum vitae, a summary of research experience, and the names and addresses of three references to: Priestella S. Dannes, Ph.D., Department of Pharmacology, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06510.

**SCIENTIST**

At the forefront of biomedical research, Program Resources, Inc. (PRI) is paving the way for new programs and discoveries at the National Cancer Institute's Frederick Cancer Research Facility.

We are seeking a Virologist/Molecular Biologist with 1-2 years experience to join our AIDS In-Vitro Drug Screening Laboratory. This individual will assist in the supervision of our primary anti-viral screen and participate in investigating mechanisms of anti-viral drug interactions with HIV and development of new anti-viral drug screens.

You'll work in a campus-like setting in Frederick, MD near Baltimore and Washington, D.C. Plus, PRI will reward your expertise with a salary commensurate with credentials and an attractive fringe benefits program, including insurance, relocation allowance, and a 401(k) savings plan. For consideration, please forward CV in confidence to M. Elizabeth Fox, Technical Recruiter.

**PROGRAM RESOURCES, INC.**

NCI-FCRP

P.O. Box B

Frederick, MD 21701

An equal opportunity employer.

---

**VICE PRESIDENT/CHAIRMAN, MEDICAL SCIENCES DIVISION SEARCH REOPENED**

Nominations and applications are invited for the position of Vice President/Chairman of the Medical Sciences Division of Oak Ridge Associated Universities. ORAU is a private, not-for-profit consortium of 49 colleges and universities and a management and operating contractor of the U.S. Department of Energy. Its mission is to carry out research and development in medical sciences, science/engineering education, productivity management and training, and energy/environment systems.

The Chairman provides scientific and managerial leadership to strengthen, build and conduct Division programs that address critical medical and health issues associated with energy. The Chairman's responsibilities include providing broad scientific and managerial leadership, developing a strong staff, allocating resources, and representing the Division to federal agencies, universities, and other organizations.

The Division's interdisciplinary staff of about 125 investigates the medical benefits and costs to the human body from natural and synthetic substances, primarily those from energy and energy-related technologies. It carries out basic preclinical research; develops beneficial applications to human health from science and technology; develops technologies to avoid moderate, or reverse negative health impacts; analyzes the health risks and outcomes from applications of technologies; and provides information systems and management expertise to deal with health-related impacts.

Qualifications for the position include a doctorate in medicine and/or health science; an established record of excellence in research and/or research leadership; the ability to build a strong organization and staff, and to work effectively within and outside ORAU. Excellent written and presentation skills and leadership qualities reflected in vision, innovation, and organization are required.

Applications should include a letter of interest, a vita, a list of publications, and the names and addresses of at least three references. The Search Committee will continue its review until the position is filled. The appointee will assume the full responsibilities of Vice President/Chairman in early 1990. A transition period preceding the retirement of the incumbent is planned.

Applications, nominations, and inquiries should be sent to:

Jon M. Veligel, President

Oak Ridge Associated Universities

P.O. Box 117

Oak Ridge, TN 37831-0117

An Equal Opportunity Employer
POSTDOCTORAL POSITION

within a multidisciplinary research group to investigate the regulation, purification, and characterization of enzymes of the chlorophyll biosynthetic pathway. Address curriculum vitae and three letters of recommendations to: Professor C. A. Rebeiz, Department of Plant Pigment Biochemistry and Photobiology, University of Illinois, 202 ABL, 1302 West Pennsylvania, Urbana, IL 61801.

POSTDOCTORAL POSITION available immediately in a cellular immunology laboratory to study mechanisms of self-tolerance and autoimmunity in transgenic mice. Employers and techniques are desired. Level of support is determined by NIH guidelines. Send curriculum vitae and names of three references to:

Dr. Judith A. Kapp
Department of Pathology
Jewish Hospital of St. Louis, CSB-7
216 South Kingshighway
St. Louis, MO 63110
Jewish Hospital is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION


POSTDOCTORAL POSITION available immediately to study gene control by translational attenuation in Bacillus subtilis. The regulatory mechanism modulates expression of chloramphenicol-inducible cat genes in gram-positive bacteria, and is activated by drug-mediated ribosome stalling in cat leader mRNA [see PNAS 85, 3057 (1988)]. Preference will be given to individuals experienced in in vitro translation, RNA, and protein characterization. Salary is competitive and commensurate with experience. Please send curriculum vitae and names of three potential references to:

Dr. Paul S. Lovett
Department of Biological Sciences
University of Maryland
545 W. William Avenue
Baltimore, MD 21228
UMBC is an Equal Opportunity Employer.

POSTDOCTORAL POSITION/MOLECULAR BIOLOGY available in well-funded laboratory for the molecular cloning of complement proteins and study of their genes. Experience in recombinant DNA technology is desirable. Salary will be commensurate with experience. Candidates should send curriculum vitae to: Dr. Carl-Wilhelm Vogel, Department of Biochemistry, Georgetown University School of Medicine, 3900 Reservoir Road N.W., Washington, DC 20007. Georgetown University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS IN MOLECULAR BIOLOGY OF VIRAL PATHOGENESIS

Research is designed to (i) elucidate the structural determinants of virus host range, virulence, and immunogenicity, and (ii) determine how these interactions in virus assembly and gene expression of both human and animal paramyxoviruses. Candidates receive training in state-of-the-art molecular and immunological concepts and techniques in a multi-disciplinary research environment. Candidates should forward their curriculum vitae and three letters of reference to:

Dr. Allen Portner
Department of Virology & Molecular Biology
St. Jude Children's Research Hospital
7222 Airways North
Memphis, TN 38105
Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately to study the cellular properties/neurophysiology of the mammalian brainstem neurons involved in the control of breathing. A strong background in neurobiology (either vertebrate or invertebrate) is required. Training opportunities include the use of brainstem slices, current and voltage clamp techniques, patch clamp of dissociated neurons, and dye injection to study cellular morphology. Experience in electrophysiology and neurochemistry is preferred. Send curriculum vitae and the names of three references 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.

POSTDOCTORAL POSITION

available immediately to study structure-function relationships of plasma membrane cAMP- and cGMP-dependent protein kinases. Experience should be in molecular biology and/or neurochemistry. Send curriculum vitae, a brief statement of research experience and interests, and three letters of recommendation to: Dr. Janice J. Kerwin, Section of Molecular Cell Biology, Department of Biochemistry, The University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75390-8562. The University of Texas is an Equal Opportunity/Affirmative Action Employer.

U.S. DEPARTMENT OF AGRICULTURE

AGRICULTURAL RESEARCH SERVICE

TWO-YEAR POSTDOCTORAL POSITION available immediately with immunology/entomology research project to develop immunologically based methods to detect insect contamination of grains and food products. Knowledge of immunological and biochemical analyses required. Skill in entomology and an interest in the development of the project is essential. The minimum starting salary: $28,852. Send resume, transcript, and three references to: Dr. Wendell Burkholder, Stored Product Insects Research Unit, Department of Entomology, 1630 Linden Drive, University of Wisconsin, Madison, WI 53706. Telephone: 608-262-3795. ARS is an Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to study translational regulation in eukaryotic viruses and growth factors. Recent Ph.D. with experience in recombinant DNA and protein purification is desired. Salary is competitive and commensurate with qualifications. Send curriculum vitae and three letters of reference to: Dr. Kasch C. Gupta, Ph.D., Department of Immunology/Microbiology Rush Medical College 1653 West Congress Parkway Chicago, IL 60612 Rush is an Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF CALIFORNIA LOS ANGELES

POSTDOCTORAL RESEARCH ASSOCIATE Position available to work on gene expression processes involved in the mechanisms of the genetic and environmental regulation of gene expression in the mammalian retina. Projects involve the light-dependent movements of proteins in visual cells and the non-coordinate expression of retinal genes during the light/dark cycle. Experience in molecular biology, biochemistry or immunology is preferred. Send resume, transcript, and three references to: Dr. James F. McGinnis, University of California, Los Angeles, 760 Westwood Plaza, Room 89947, Los Angeles, CA 90024-1759.

POSTDOCTORAL POSITION available immediately to study neuropeptide biosynthesis. Experience in biochemistry and molecular biology is required. Send curriculum vitae and three letters of recommendation to: Dr. Thomas J. Kelly/Edward P. Westfall, Laboratory of Neurochemistry, USDA-ARS, BARC-East, Building 306, Room 323, Beltsville, MD 20705. Applications must be marked 18A403. An Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to study the structural and biochemical regulation of growth hormone and prolactin. Background in biochemistry or molecular biology/immunology with experience in protein purification preferred. Salary: $20,000 per year. Send curriculum vitae and three letters of recommendation to: Dr. D. N. Sinha, Department of Biochemistry, Whitaker Institute for Diabetes and Endocrinology, St. Francis Hospital, 19049 Fountain Avenue, La Jolla, CA 92037.

POSTDOCTORAL POSITION available immediately to study the cellular properties/neuropharmacology of the mammalian brainstem neurons involved in the control of breathing. A strong background in neurobiology (either vertebrate or invertebrate) is required. Training opportunities include the use of brainstem slices, current and voltage clamp techniques, patch clamp of dissociated neurons, and dye injection to study cellular morphology. Experience in electrophysiology and neurochemistry is preferred. Send curriculum vitae and the names of three references to: Dr. A. H. Payne, Steroid Research Unit, 1221 Women's Hospital, University of Michigan, Ann Arbor, MI 48109-0278.
MASS SPECTROMETRIST
NATIONAL INSTITUTES OF HEALTH

The Laboratory of Bioorganic Chemistry, National Institute of Diabetes and Digestive and Kidney Diseases, seeks outstanding candidate with Ph.D. and at least 5 years postdoctoral training and experience to be a mass spectrometry specialist for the laboratory's investigations into natural products. Applicant should have research interest in this field as well as experience in the analysis of drugs from biological sources. Preference will be given to candidates with expertise in a variety of mass spectrometry ionization and introduction techniques, experience in the development of hardware and software, and modification and improvement of existing equipment. Applicants should have a substantial record of publications and demonstrated ability in the deployment of original research efforts. Starting salary $48,592 or may be negotiable commensurate with qualifications and experience. Interested candidates should submit curriculum vitae, several reprints, summary of planned research efforts and names of three references to:

John Daly, Ph.D.
Building 8, Room 1A-15
National Institutes of Health
900 Rockville Pike
Bethesda, Maryland 20892

NIH IS AN EQUAL OPPORTUNITY EMPLOYER

SENIOR SCIENTISTS
Cardiovascular Research

As a leader in the field of pharmaceutical and medical research, Hoffmann-La Roche offers scientists state-of-the-art resources, exciting projects, and the opportunity to make things happen. We are seeking two PhD-level scientists to make significant contributions to our cardiovascular research.

IN VIVO MODELS
Primary responsibility will be to evaluate the interaction between neutrophils and vascular endothelium in myocardial infarction using animal models. This will include having broad interaction with an interdisciplinary group of Roche scientists. Involvement in other projects in the department will be encouraged. A PhD in Physiology, Pharmacology or a related discipline, along with experience with in vivo models is required; industrial and/or postdoctoral research background is preferred. Please refer to Position LB on resume.

BIOCHEMICAL MECHANISMS
SIGNAL TRANSDUCTION SYSTEMS
You will head up a project team comprised of up to four professionals engaged in mechanisms of ischemic myocardial injury. You must have a PhD in Biochemistry, along with at least five years postdoctoral experience in biochemical mechanisms of signal transduction systems, with experience in cardiovascular science. The ability to take immediate charge of a project is required; industrial background is preferred. Please refer to Position AH on resume.

We offer competitive salaries, a generous benefits package, a convenient suburban location 10 miles west of New York City and all of the advantages inherent in working with a dynamic team of scientists. For confidential consideration, please send your resume, indicating the code for position of interest and present salary (those without this information will not be acknowledged), to: Mrs. Eleanor M. Malone, Hoffmann-La Roche Inc., Nutley, New Jersey 07110. We are an equal opportunity employer.

DIRECTOR OF
THE PROTEIN STRUCTURE LABORATORY
UNIVERSITY OF CALIFORNIA, DAVIS

The Department of Biological Chemistry invites applications from qualified individuals for the position of Director of the Protein Structure Laboratory. The Protein Structure Laboratory is a nationally recognized instrumentation facility serving the needs of the entire Davis campus of biologists and biochemists, spanning all Schools and Colleges. The Laboratory houses modern equipment supporting research programs in wide areas of biochemistry, biotechnology, and molecular biology. Major instruments of the Laboratory include gas and liquid phase protein sequencers, amino acid analyzers, a peptide synthesizer, an oligonucleotide synthesizer and associated high performance liquid chromatographs. The Director is responsible for the supervision of all Laboratory personnel and for quality control of the services provided by the Laboratory. The Director will have the opportunity to develop and pursue his/her own research program, since the Directorship carries with it an academic appointment within the Department. A modest teaching responsibility is associated with the position. Applicants should possess a Ph.D., or equivalent experience, in biochemistry, chemistry, or an allied field, and have had extensive experience in the operation and management of instruments of the type now present in the Laboratory. Interested applicants should submit a curriculum vitae, a description of research interests and instrumentation and management experience, and provide the names and addresses of 3 references, to be sent to: William F. Beniek, Chair, Search Committee for Protein Structure Laboratory, Department of Biological Chemistry, School of Medicine, University of California, Davis, CA 95616. The position is open until filled. Applications will be accepted through 12/31/89, or until a suitable candidate is identified.

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

ZYMOKENETICS
CELL BIOLOGIST

ZymoGenetics, Inc., is a Seattle based genetic engineering company engaged in developing human therapeutics. We currently seek a Cell Biologist to supervise and coordinate a cell biology service unit.

The qualified candidate will have a BS or a MS in biological sciences, or the equivalent and an extensive background in tissue culture/cell biology. Additionally, applicants must have demonstrated organizational & supervisory skills. The responsibilities of this position include:

- Supervision of the tissue facility.
- Developing new technologies relevant to the expression of heterologous genes in mammalian cells.
- Developing novel bioassays.

ZymoGenetics offers a stimulating scientific environment, modern and well-equipped facilities and an attractive compensation and benefit package. For consideration, please submit C.V., names and addresses of three references and a short description of recent research activities to:

ZYMOKENETICS, INC.
Human Resources Coordinator
4225 Roosevelt Way NE
Seattle, WA 98105

ZymoGenetics, Inc., is an equal opportunity employer.

ZymoGenetics, Inc. is a subsidiary of Novo-Nordisk A/S, one of the world's leading biotechnology companies and a major force in insulin manufacture and diabetes treatment. Headquartered in Denmark, Novo-Nordisk employs more than 7,500 people in 30 countries and markets its products in 120 countries.
POSTDOCTORAL POSITIONS for 12 to 24 months in any of the following projects: (i) regulation of antimicrobial peptide secretion in response to a sub-lethal dose of protein level, including the integration of ribosome-mediated reduction, DNA synthesis, and cellular proliferation; (ii) biochemical and biological studies of the iron/calcium regulatory system in the development and progression of normal and malignant transformation of the cell line. For further details, please contact: Dr. James P. Tam, Rockefeller University, 1230 York Avenue, New York, NY 10021. An Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE

POSTDOCTORAL RESEARCH ASSOCIATE position with NIEHS Marine/Freshwater Biomedical Center. Applications are invited for a postdoctoral position to work on radiation-induced chemical reactions. Send curriculum vitae and three letters of recommendation to: Dr. Jerry Hendricks, Marine/Freshwater Biomedical Center, Wiegand Hall, Oregon State University, Corvallis, OR 97339. OEU is an Affirmative Action/Equal Opportunity Employer and complies with section 504 of the Rehabilitation Act of 1973.

POSTDOCTORAL RESEARCH ASSOCIATE

Five positions available this fall for a multidisciplinary approach to study peptides and proteins for biological and clinical applications. Candidates should have experience in one of the following areas: (i) peptide synthesis, (ii) immunology, (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. Tam, Rockefeller University, 1230 York Avenue, New York, NY 10021. An Equal Opportunity Employer.

VENUE OF LEICESTER

Department of Botany

Applications are invited for the post of postdoctoral research assistant and technician in plant molecular biology. Applications will be considered for receipt by the end of the month of April. Further details can be obtained from the Head of the Department. The closing date is 31 May 1987.

POSTDOCTORAL RESEARCH ASSOCIATE

(NIH-supported) position is available immediately to study neuropeptide gene expression. Research projects will include both molecular neurobiology and cellular aspects of neuropeptide secretion. Individuals with experience in molecular biology, in situ hybridization, receptor, and receptor function are encouraged to apply. Send curriculum vitae and the names of three references to: Dr. F. S. Kalra, Department of Obstetrics and Gynecology, University of Medicine and Dentistry of New Jersey, P.O. Box J-294 JHMcH, Gainesville, FL 32610. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH POSITION

Available November to study effects of alcohol on hypothalamic neurons using immunocytochemical and in situ hybridization techniques. Previous experience with these techniques and a working knowledge of computers and neuroanatomy is highly desirable. Please send curriculum vitae and three letters of recommendation to: Dr. G. E. Blackard, Department of Pathology, University of Texas Southwest Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75235-9040. Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE—POSITION

Applicants are invited for a faculty position as assistant or associate professor in the Department of Physiology at Dartmouth Medical School. Applicants should have a doctoral degree, postdoctoral experience, and interest and research accomplishment in some aspect of renal physiology in the broadest sense. Send curriculum vitae, a statement of research interests, teaching experience, and names, addresses, and telephone numbers of three references by 1 November 1989 to: Ronald L. Martin, Dartmouth Medical School, DH 03750. An Equal Opportunity/Affirmative Action Employer.

RESEARCH IMMUNOPATHOLOGIST

Full-time position as associate research immunologist in Division of Gerontology and Geriatric Medicine, University of California, San Francisco, to develop an independent research program on autoimmunity in aging by (i) identifying and characterizing cell-surface antigens in vivo and in vitro in specific autoimmune hemorragic in aging individuals, and (ii) assessing the role of viral agents, local MHC expression, and endocrine changes in the development of autoimmunity. Requires M.D. or Ph.D. with training in human immunopathology, tissue culture, and MHC biology, at least 5 years of research experience in the characterization of cell-surface antigens in aging, and experience in one of the above areas. Salary range $44,400 to $59,400. Send curriculum vitae by 23 October 1989 to: Claude D. Arnaud, M.D., Chief, Division of Gerontology, P.O. Box 791, University of California, San Francisco, CA 94120. Equal Opportunity/Affirmative Action Employer.
Evolutionary Biology

The Department of Biology is engaged in building an interdisciplinary program in the evolutionary sciences and organismal biology and invites applications for positions at the senior and junior levels. While outstanding scientists working in any area of evolution will be considered, areas of particular interest to our faculty include molecular approaches to population biology or phylogeny, developmental approaches to evolution, evolution of genome organization, and quantitative approaches to evolutionary problems. With building renovations now well underway, we are prepared to make several appointments as soon as possible.

We seek individuals with a strong interdisciplinary inclination who might profit from interaction with the Department's strong programs in molecular, cell, developmental, and organismal biology, and the Peabody Museum of Natural History.

Send curriculum vitae, description of research interests and names and addresses of at least three references by January 1, 1990 to:

Evolutionary Biology Search Committee, c/o The Chairman, Department of Biology, Yale University, PO Box 6666, New Haven, CT 06511

Yale University is an Affirmative Action/Equal Opportunity Employer

ánhanging advertisement

BUILDING A NEW LAB?

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

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

WRITE TO:

SCIENCE MAGAZINE
NEW LAB SERVICE DEPT.
1515 BROADWAY
NEW YORK, N.Y. 10036

.biochemistry research

The Biotechnology Department of Allied-Signal Research and Technology is seeking a PhD Chemist or Biochemist with 0-4 years of research experience. The ideal candidate will be familiar with protein chemistry, including purification, characterization, and modification of antibodies, enzymes or other proteins. Knowledge of synthetic organic chemistry is also required. Previous experience in synthesis, purification, or scale-up of oligopeptide products would be desirable.

The successful candidate will plan and conduct experiments in the general areas of biosensors, biomaterials and bioprocessing. You will also be expected to propose and pursue new research projects, and will serve as an informational resource in protein chemistry and related areas.

Allied-Signal is a world-wide high-technology company with core businesses in Aerospace, Automotive and Engineered Materials. We offer an excellent salary and comprehensive benefits. For immediate consideration, send your resume with salary history/requirements to: Human Resources, Dept. G, Allied-Signal Inc., P.O. Box 1021R, Morristown, NJ 07962. An equal opportunity employer.
RESEARCH ASSOCIATE: The Hematology/Onco-
logy Section of the Department of Medicine has an immediate opening in cytokine research. The applicant must have a Ph.D. or M.S. degree with experience in the study of the effects of cytokines on hematopoiesis. Apply with curriculum vitae and three references to: Dr. Ron-
ald Hoffman, Chief, Hematology/Oncology, Indiana University School of Medicine, Clinical 379, 541 Clinical Drive, Indianapolis, IN 46225-5111. An Equal Opportunity/Affirmative Action Employer.

RESEARCH MANAGERS
Promega Corporation, a high-growth biotechnology company in Madison, Wisconsin, involved in the develop-
ment of nucleic acid and antibody-based diagnostic products for the clinical, food, paternity testing, and forensic markets, is recruiting two experienced Senior Scientists.

All applicants should have a Ph.D. plus a minimum of 3 years of postdoctoral experience and have demonstrated excellence in independent research, communication, and the ability to contribute to strategic planning and technology assessment. Qualifications for the Immunology and Enzymology Research Manager position include extensive experience in the formatting and use of immunoassays and monoclonal antibody development. Qualifications for the Molecular Biology/Enzymology Research Manager position include extensive background in enzymolo-
gy and protein purification as well as experience in molecular biology. The successful candidates will assume leadership roles in guiding teams of scientists developing novel approaches to problems in these areas.

Promega offers a competitive salary, comprehensive benefits, and a challenging, high growth environment in which to apply your professional skills. All information will be kept in strict confidence. To apply, forward curriculum vitae and references:
Promega Corporation
Human Resources/DSG
2800 Woods Hollow Road
Madison, WI 53711-5399

Promega Corporation is an Equal Opportunity Employer.

RESEARCH ASSOCIATE: NIH-funded position with the Committee on Clinical Pharmacology, Depart-
ment of Pharmaceutical and Physiological Sciences, The University of Chicago, Chicago, Illinois, with possible academic rank. The candidate must have an M.D. and/or Ph.D. degree in pharmacology/physiology. The successful individual will participate in ongoing laboratory studies on the structure and function of dopamine and other catecholamine receptors in the cardiovascular and renal systems. The qualified candidate will be responsible for planning and carrying out hemodynamic, cardiovas-
cular, and renal function experiments in the laboratory, and for analyzing and preparing data for presentation at research meetings and for submission to scientific jour-
nals. The closing date for application is 15 November 1989. Send application with curriculum vitae, statement of research interests and abilities, and names and addresses of three references to: Dr. Michael Murphy, Commit-
tee on Clinical Pharmacology, The University of Chicago, 947 East 58th Street, Chicago, IL 60637. The University of Chicago is an Equal Opportunity/Affirmative Action Employer.

RESEARCH MANAGER
U.S. Department of Agriculture (USDA), Agricul-
tural Research Service (ARS), Western Regional Research Center, Albany, California. RESEARCH TOXICOLOGIST/PHARMACOLOGIST GS-12 ($34,580 to $39,192). A permanent full-time position is available immediately with the USDA, ARS, Albany, California. The successful candidate will participate in studies on structure-biological activity of organophosphates and related disciplines. For information on the research program, contact: Dr. M. Friedman, 415-559-5615/5642, Western Regional Research Center, USDA, ARS, 800 Buchanan Street, Albany, CA 94710. For application procedures/forms, contact: Rita Millard, 301-344-3138. U.S. citizenship required. An Equal Opportunity Employer.

U.S. Department of Agriculture (USDA), Agricultur-
al Research Service (ARS), Eastern Regional Research Center, New York, New York. RESEARCH/DEVELOPMENT MANAGER GS-13 ($42,200 to $47,060). Responsible for managing the Center's development activities. For further information, contact: Dr. John G. Millikan, 415-559-5615/5642, Western Regional Research Center, USDA, ARS, 800 Buchanan Street, Albany, CA 94710. Send letter of interest to: Rita Millard, 301-344-3138. An Equal Opportunity Employer.

THE
SCIENCE
RECRUITMENT
“FOUR DAY CLOSE”
NOW YOU CAN SEE YOUR AD IN SCIENCE
FOUR DAYS AFTER SUBMISSION

Scientific Recruiters can now advertise positions almost as soon as the need arises. Instead of reserving space a month or more in advance, you can now place your ad four days before the magazine mailing date. Science is mailed on the cover date.

Film (right-reading, emulsion face down) or full camera ready art and insertion order must reach: Science, Short Close Desk, 1515 Broadway, New York, NY 10036 by NOON Mondays (except for legal holidays when material must reach New York by Noon Fridays). Because space is limited, the four-day close page will be reserved on a first-come, first-served basis, at a 15% premium. Your ½ page ad costs

$500 for four days. Your ad will begin in the issue following the date of your order. If you do not order a four-day position at least four days prior to your desired date of publication, your ad will be scheduled as a four-day copy and will begin in an issue the week following your order. Scientific Recruiters reserves the right to delay publication of any ad space to fill at the discretion of the publisher.

You can call it "INSTANT RECRUITMENT." For further information, telephone Ed. Keller, Recruitment Advertis-
ing Manager, or Donna Rivera, Production Manager at Science: 212-730-1050, or write to: Science, 1515 Broadway, New York, NY 10036.

CURRENT DISTRIBUTION 160,000

THE NATIONAL INSTITUTES OF HEALTH
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 neuroepidemiology, 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 neuroepidemiology, neuroanatomy, experimental psychology (including physiological psychology), developmental neurobiology, and related fields in the brain and behavioral sciences are encouraged to apply. Excellent facilities exist for ongoing 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
P.O. Box 6705
Bethesda, Maryland 20892

NIMH IS AN EQUAL OPPORTUNITY EMPLOYER

THE NATIONAL INSTITUTES OF HEALTH
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 neuroepidemiology, 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 neuroepidemiology, neuroanatomy, experimental psychology (including physiological psychology), developmental neurobiology, and related fields in the brain and behavioral sciences are encouraged to apply. Excellent facilities exist for ongoing 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
P.O. Box 6705
Bethesda, Maryland 20892

NIMH IS AN EQUAL OPPORTUNITY EMPLOYER
Research Scientists

Bionetics Research conducts research for the Pharma Division of Akzo, N.V., a fully integrated multinational pharmaceutical and diagnostics company. Our focus is on basic research and product development in the areas of cancer and retroviruses. We are seeking four Research Scientists/Section Heads as explained below.

PHARMACOKINETICS
Duties will entail the design of pre-clinical and clinical pharmacokinetic studies for human monoclonal antibody, radionuclide and drug conjugates, analyzing data and writing reports and summaries for regulatory submission. A Ph.D. in pharmaceutical science with 2 years' experience in pharmacokinetics and related computer programs are required.

MOLECULAR ViroLOGY
Responsible for conducting research in retroviruses and related pathogenic elements aimed at understanding mechanisms of viral infection and pathogens, and regulation of viral gene expression. The development of vaccines and therapy for retrovirus infections are the ultimate goals of this work. A Ph.D. in molecular biology or virology and proven expertise in recombinant DNA techniques and expression of retroviral genes in bacterial and eucaryotic systems are required.

MOLECULAR BIOLOGY
Responsibilities include cloning various antibody molecules including IgG and IgMs. The clones will be used to reshephe existing antibodies and to form new chimeric molecules. A Ph.D. in molecular biology, cell biology or molecular immunology and three years' post doctoral experience required. Preference will be given to molecular immunologists or individuals who have immunology training.

BIOCHEMISTRY
Responsible for development of methods to couple therapeutic ligands to human and murine monoclonal antibodies. Requirements include a Ph.D. in biochemistry or chemistry and 1-3 years' experience in conjugation methodologies.

Bionetics Research offers competitive salaries and benefits including relocation assistance and a generous company-matched, pretax savings plan.

For consideration, please send your curriculum vitae with cover letter addressing compensation requirements and names and telephone numbers of references.

Bionetics Research
Science-922
1330-A Piccard Drive
Rockville, MD 20850

Principals only. Bionetics is an equal opportunity employer. All applicants are welcome.

Neuropharmacologist

The Procter & Gamble Company has an immediate entry level opening for a Ph.D. neuropharmacologist with research experience in electrophysiology. The position, located at the Miami Valley Laboratories in Cincinnati, Ohio, is in an exploratory research program aimed at investigating the effects of new drugs on the peripheral nervous system. The applicant should have a Ph.D. in neuroscience, pharmacology, or physiology with 0-2 years post-doctoral research experience. Requirements include an understanding of in vivo and in vitro pharmacological and electrophysiological techniques.

Besides offering a stimulating environment for professional and personal growth, we offer a fringe benefit package (medical, dental, profit sharing) that ranks in the top 5% of U.S. corporations.

Candidates must be presently authorized to work in the U.S. on a full-time basis. Resumes, with a list of publications, should be sent to:

Dr. T.J. Logan
Neuropharmacologist Position, Box S
THE PROCTOR & GAMBLE COMPANY
P.O. Box 398707
Cincinnati, Ohio 45239-8707

An Equal Opportunity Employer

C

MRC Group in Protein Structure and Function

University of Alberta, Edmonton
Faculty Position in X-Ray Crystallography

The Medical Research Council of Canada Group in Protein Structure and Function at the University of Alberta invites applications for a Faculty position immediately available in the Department of Biochemistry. Applicants should have a strong background in protein crystallography and be prepared to develop a research project that will complement and contribute to the overall research efforts. Appointments can be made at any level from Assistant to Full Professor depending upon the qualifications.

The MRC Group in Protein Structure and Function was established in 1974 and has undergone two successful renewals. In addition to X-ray crystallography, the major techniques of physical biochemistry are included in the armament used by the group members for the study of protein systems: hydrodynamic and spectroscopic methods, 2D nuclear magnetic resonance spectroscopy, protein micro-sequencing techniques, solid phase synthesis of peptides, recombinant DNA and protein engineering. The X-ray crystallographic laboratories are supported by excellent facilities, two single crystal diffractometers, two rotating anode generators, an SDMD system area detector with two detectors, two molecular graphics systems, and supercomputing facilities. The computing facilities at the University of Alberta are excellent. The University mainframe is an Amdahl 5870 operating under MTS. Access to supercomputing facilities is also possible at the Universities of Toronto (Cray) and Calgary (Cyber 205).

In accordance with Canada Immigration regulations, priority will be given to Canadian citizens and permanent residents. The deadline for the position is November 30, 1989. Applicants should forward curriculum vitae, list of publications and names of three referees as soon as possible to either:

Professor C.M. Kay or Professor M.N.G. James
Co-Director, MRC Group
Department of Biochemistry
University of Alberta
Edmonton, Alberta, Canada
T6G 2H7

The University of Alberta is committed to the principle of equity in employment.
CRITICAL THINKING SKILLS

The Department of Medicine invites applications for two tenure-track assistant/associate professorships in molecular virology in a department with a strong focus on potential applications of virology, immunology, and virology. Applicants with interest and expertise in the molecular characterization of retroviral systems in the context of understanding immunopathogenesis are expected to establish an independent research program. Teaching responsibilities include participation in courses for medical and graduate students. Candidates should submit curriculum vitae, statement of research interests, list of postdoctoral studies, and three letters of recommendation to: Department of Medicine, Dartmouth-Hitchcock Medical Center, 300 Hanover Street, Hanover, NH 03755. The Department of Medicine is an Equal Opportunity/Affirmative Action Employer.

WETLANDS TECHNICAL DIRECTOR

NSI Technology Services is currently recruiting a Technical Director for the Wetlands Ecosystem Component of the National Wetlands Monitoring and Assessment Program (NWAMP) to develop and direct research on methods, trends, and "health" of U.S. wetlands. NSI is under contract with the USEPA at the Corvallis Environmental Research Laboratory.

Candidates must have a minimum of 5 years of research experience in wetland ecosystems; 2 years of experience in directing research efforts; a Ph.D. in wetland science or related discipline; and a strong peer-reviewed publication record demonstrating a national reputation in the field of wetland ecosystems. Experience in field as well as laboratory methods and research issues is required. Application review and interview will begin immediately upon receipt of qualified applications. Submit a cover letter which specifically relates your experience to this position, salary requirements, and three letters of reference to: Susan Carey, NSI Technology Services Corporation, 1600 SW Western Boulevard, Corvallis, OR 97333.

NSI Technology Services Corporation.

SCIENTIST/CLINICIAN

DARTMOUTH MEDICAL SCHOOL

The Department of Medicine invites applications for two junior faculty positions with a start date in the summer or fall of 1990. The department intends to expand its laboratory-based faculty over the next several years in tandem with the completion of the new Dartmouth-Hitchcock Medical Center scheduled to be completed in 1992. Applicants should have an M.D. or M.D./Ph.D., an active research program in the general areas of molecular biology, virology, or immunology, and expertise in one of the subspecialties of internal medicine. The primary criteria for appointment will be the quality and promise of the research program, and the excellence in clinical medicine and teaching are also important. Applications and materials must be received by 1 December 1989. Please submit curriculum vitae, list of publications, summary of research accomplishments, a concise future research plan, and the names of three or four references to: John R. Pullo, M.D., Search Committee Chairman, Department of Medicine, Dartmouth Medical School, Hanover, NH 03756. Dartmouth Medical School is an Equal Opportunity/Affirmative Action Employer.

SENIOR RESEARCH ASSOCIATE

PERMANENT POSITION

ACADEMIC APPOINTMENT POSSIBLE

Experienced Biochemist/Cell Biologist at University Medical School Cancer Research Laboratory. Bench-work-oriented individual with meticulous working habits for in-depth investigations of role of human carcino- ma growth factors in angiogenesis in primary tumor estab- lishment. Technical help available. Especially outstanding salary and benefits in view of the importance of the academic task. Send curriculum vitae, details of benchwork experience, to: G. F. Springer, M.D., Chicago Medical School/V.A. Medical Center 1113 60th Road Maywood, North Chicago, IL 60064 Equal Opportunity Employer M/F.

URBAN PLANNER

To prepare short- and long-term economic and employment projections for DuPage County, Illinois. Experience in economic development and real estate development is required. A master's degree in economics or urban planning, and experience in data analysis and computer programs are required. Send resume to: Dr. Paul C. Montgomery, Department of Immunology, University of Michigan School of Medicine, 540 East Canfield, Detroit, MI 48201.

An Equal Opportunity/Affirmative Action Employer.
FACULTY POSITIONS

Division of Biological Sciences - University of Missouri-Columbia

Plant Developmental Biology/Genetics and Plant Ecology/Evolution

The Division of Biological Sciences, University of Missouri-Columbia, is pleased to invite applications for 2 tenure-track faculty appointments at the Assistant or Associate Professor level, available in September 1990. The Division has established strong programs in Plant Sciences, Cell and Molecular Biology and Evolutionary Biology, has a well funded faculty, and participates in a USDA National Needs Grant in Plant Molecular Biology.

<table>
<thead>
<tr>
<th>Plant Developmental Biology/Genetics</th>
<th>Plant Ecology/Evolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Candidates will be expected to develop a vigorous research program in an area of Plant Developmental Biology/Genetics. Desirable areas of research include, but are not limited to: developmental programming, cell-lineage patterns, clonal analysis, cell or tissue determination, or other basic problems in development utilizing plant genetic systems. Teaching will include participation in a graduate level course in the candidate's area of specialization and involvement in an undergraduate course.</td>
<td>Candidates will be expected to develop a vigorous independent research program in an area of Plant Ecology/Evolution. Desirable areas of research include but are not limited to studies of plant populations, communities, and evolution. Research programs may focus on any of a variety of plants from the algae and fungi to vascular plants. Participation in teaching at the graduate and undergraduate level is expected.</td>
</tr>
</tbody>
</table>

These positions are offered at highly competitive salary with excellent research start-up funds, laboratory space, and research support facilities.

Candidates should have a PhD, postdoctoral research experience, and a demonstrated record of research accomplishment. Applicants for an Associate Professor position should have an outstanding record of peer reviewed grants, research publication and participation in teaching. A curriculum vitae, statement of research and teaching interests, and the names, addresses and phone numbers of three references should be submitted by December 1, 1989 to: Dr. John David, Director, Division of Biological Sciences, University of Missouri, Columbia, Missouri 65211 (314-882-6550).

The University of Missouri is an Equal Opportunity Employer and encourages applications from women and minorities.
POSTDOCTORAL FELLOWSHIPS
THE GOLDA MEIR FELLOWSHIP FUND
THE HEBREW UNIVERSITY
JERUSALEM, ISRAEL

The Hebrew University of Jerusalem invites applicants for Postdoctoral Fellowships in Humanities, Social Sciences, Natural and Applied Sciences, Agriculture, and Medicine for the 1990 to 1991 academic year.

Candidates must be at the last stage of their professional career (not later than 3 years after completion of their doctoral dissertation).

Applications are tentatively available for one academic year and may be extended for another year. The fellowship provides a 12-month stipend (with COL adjustments), rent allowance, and a return ticket to Israel.

Application forms can be obtained from: The Office of University Funds, P.O. Box 1255, Jerusalem, 91094, Israel.

Completed application forms must be returned by 1 December 1989.

FELLOWSHIPS IN REPRODUCTIVE BIOLOGY
NORTHEASTERN UNIVERSITY

Postdoctoral and predoctoral fellows are available in reproductive biology for outstanding students. A diverse and cohesive program offers research in biochemistry, molecular, cellular, physiological, and behavioral aspects of reproduction. Included are laboratories of Erwin Goldberg (Immunology and Reproductive Biology); Mary Hunsicker-Dunn (Ovarian protein kinase; adenyl cyclase); Jon Levine (Neuroendocrinology); and Daniel Linzer (Molecular endocrinology of prolactin; Kelly Mayo (Gene regulation of the mammalian meiotic cell cycle); and Biruck Sendaye (Gonadal and pituitary endocrinology). Joseph Takashashi (Circadian rhythms and photoreception); and Fred Turek (Circadian rhythms and photoentrainment).

Applicants must be eligible for NIH Training Program (U.S. citizen or permanent resident). Northeastern University is an Equal Opportunity/Equal Rights Affirmative Action Employer and Educator.

MARKETPLACE

NEED DNA FAST?

Custom Sequencing Primers in 24 hours
Redundant: Methylenephosphonate, Phosphorothionate, 5-Phosphorothionate
HPG or CE purification - High Quality & Low Prices
1-800-247-8766
The Midland Certified Reagent Co.
Fax 915-994-2027
3112A W. Cuthbert, Midland, TX 79701

Custom DNA Purified and Delivered in 48 hours.
$10.00 a base for the first 15 bases. $5.00 for additional base. No additional charges.

Research Genetics

1-800-533-3363

Circle No. 39 on Readers’ Service Card

1422

SCIENCE, VOL. 245
The people who work for Forestry Canada in Sault Ste. Marie, enjoy a career in a multidisciplinary institution that encompasses a wide range of research activities and technology development. This regional centre specializes in research in forest production, protection, environment and utilization. It also houses the Forest Pest Management Institute which conducts research in biorational and chemical control agents. To ensure that all candidates have every chance on an equal basis, we encourage equitable participation by women, aboriginal peoples, members of visible minority groups and persons with disabilities.

**Research Entomologist - Population Ecologist**

($32,948 - $61,284)

Carry out all aspects of a research program on the dynamics of forest insect pests in Ontario including planning, development, implementation and reporting. Conduct field sampling, experimentation and laboratory studies such as the use of computer simulation modeling and GIS. Perform project activities that include biological control/parasitoid ecology, biometeorology, chemical ecology (pheromones), insect physiology and population dynamics.

A doctoral degree in biology, preferably entomology, with specialization in quantitative analysis of population change or a lesser degree with evidence of research experience and productivity equivalent to a doctoral degree. Employment experience in this field desirable, but not essential. Knowledge of the English language is essential. Preference will be given to Canadian citizens.

Send your application, reprints of significant publications and a minimum of three references by October 31, 1989, quoting reference number: S-89-31-5871-47JG-G35 to: Joan Girling, Public Service Commission of Canada, 171 Slater Street, Ottawa, Ontario K1A 0M7.
NEW CHALLENGE

Tools for connective tissue research

Monoclonal Antibodies against human
- Collagen III
- Collagen IV
- Collagen VI
- Undulin
- NC-1

Antisera and Affinitypurified Antibodies against human
- Collagen IV
- Collagen VI
- NC-1
- Laminin
- Undulin

Human Collagens
- Collagen I
- Collagen II
- Collagen III
- Collagen IV
- Collagen V
- Collagen VI

FOR:
- ELISA
- RIA
- Immunocytochemical and protein blotting application

Circle No. 198 on Readers' Service Card

APPLY TO:
HEYL
Chemisch-pharmazeutische Fabrik GmbH & Co. KG
Goerzallee 253 • D - 1000 Berlin 37
Telefon: (030) 8 17 60 52
Telefax: (030) 8 17 40 49
Telex: 18 40 08 heyl d

Our philosophy 'Continuity in Development'

For the US Market only: HEYLTEX Corporation 10655 Richmond Ave, Suite 170 • Houston, Texas 77042
For orders: Phone 1-800-237-6793 • In Texas, Phone (713) 784-6258 • Telefax 7137810960