ASSISTANT, ASSOCIATE OR FULL PROFESSOR
Control of Gene Expression in Eukaryotes

The Department of Genetics and Cell Biology and Biochemistry and Biophysics invites applications for a tenure-track position to be filled at the ASSISTANT, ASSOCIATE, or FULL PROFESSOR level to begin August 1995 or later. Senior-level applicants are expected to have, while junior-level applicants are expected to establish, a strong, independent research program in the area of regulation of eukaryotic gene expression. Successful applicants are expected to seek extramural research funding. Postdoctoral experience is required. Instructional responsibilities include participation in both graduate- and undergraduate-level courses in molecular genetics and biochemistry, and extramural quality teaching. The appointment will be at least half-time in the Department of Genetics and Cell Biology with the balance in the Department of Biochemistry and Biophysics. Both departments have strong programs in the area of gene expression in prokaryotes and eukaryotes, and the appointee’s research is expected to complement one or several of these programs. Screening of applications will begin January 20, 1995, and continue until the position is filled. Applicants should indicate a preference for consideration at the Assistant, Associate or Full Professor level. Applicants should submit a letter of application, a curriculum vitae, a statement of current research and long-term research interests, as well as three letters of recommendation to: Raymond Reeves, Chair of the Search Committee, Department of Genetics and Cell Biology, Washington State University, Pullman, WA 99164-4234. Washington State University is an Equal Opportunity/Equal Employment Educator and Employer. Members of ethnic minorities, women, Vietnam-era or disabled veterans, persons of disability, and persons age 40 and over are encouraged to apply.

BIOLOGY AND SOCIETY
Arizona State University

The Department of Zoology invites applications for a tenure-track position at the ASSOCIATE or FULL PROFESSOR level to begin August 1995 from individuals who study interactions between biology and society. The position will involve active research, graduate and undergraduate teaching, and work with the Honors College in development of an interdisciplinary program in Biology and Society. The successful candidate must have a Ph.D. and a strong record that demonstrates commitment to excellence in research and teaching, and warrants a tenure appointment in a biology department.

Preferred: Because we are establishing a program based in biology and coordinated with other departments and centers, we prefer candidates with relevant interdisciplinary programs and programmatic development, external funding, basic biological research and teaching, emphasis on social implications of biomedical and/or evolutionary/environmental conservation sciences.

Applications must forward a letter of application, curriculum vitae, up to three papers, statements of teaching and research interests, and names and addresses of three references to: Dr. Jane Mainscheid, Department of Zoology, Box 871501, Arizona State University, Tempe, AZ 85287-1501.

Review of applications will begin January 15, 1995, and continue until the position is filled. Applications for a shared appointment will be considered. Arizona State University is an Affirmative Action/EQUAL Opportunity Employer.

EVPOLATORY BIOLIGIST AND CPARATIVE PHYSIOLOGIST: Sonoma State University seeks to hire two broadly trained biologists for tenure-track positions at the ASSOCIATE/ASSOCIATE PROFESSOR level. The candidate must have a Ph.D. in a discipline that includes: teaching lower- and upper-division and graduate courses; advising M.A. students; and developing a research program involving extramural funding. Applicants must hold a doctorate (completed or near completion) and a strong commitment to teaching excellence. Preferred: experience with techniques that relate theory and field approaches. Initial application postmark deadline is January 13, 1995.

To obtain position opportunity announcement and complete application instructions, contact: Dr. Chris Kjeld- se, Chair, Department of Biology, Sonoma State University, Rohnert Park, CA 94928. FAX: 707-664-3012. Email: Joyce.Francis@sonoma.edu. TDD (for hearing impaired only) 707-664-2958. Women, minorities, and persons with disabilities are especially encouraged to apply.

ASSOCIATE PROFESSOR: MICROBIAL ECOLOGY

The Duke University School of the Environment invites applications for a tenure-track position at the level of ASSOCIATE PROFESSOR, in microbial ecology. The successful candidate will be expected to develop a nationally recognized, externally funded research program and contribute to the School's graduate-level teaching programs. Specific areas of expertise may include microbial community structure, transformation and toxicity of nutrients, metals and organic compounds; aquatic dynamics; bio- degradation and trace gas fluxes. Emphasis on research with an application to terrestrial, wetland, and/or aerobic aquatic ecosystems is preferred. Send curriculum vi- tae, a one to two page summary of your research and teaching plans, and three letters of reference by February 1, 1995, to: Chair, Microbial Ecology Search Committee, School of the Environment, Box 93038, Duke University, Durham, NC 27708-0384. Duke University is an Equal Opportunity/Affirmative Action Employer.
WE ARE SUCCESSFUL TODAY BECAUSE WE ATTRACTED GREAT PEOPLE YESTERDAY.

And we will be successful tomorrow because of the people we attract today. Burroughs Wellcome Co. is a pharmaceutical leader for thousands of reasons—innovative and dedicated people who strive for excellence, individually and as a team. Now is your chance to become a part of a great company, and help to make a greater tomorrow.

**Research Scientist IV • REQ. #65918-29**

This individual will study the control of the mammalian cell cycle with the aims of discovering novel anticancer therapeutics. Qualified candidates must have a B.S. degree in Cellular/Molecular Biology, Biochemistry or Chemistry PLUS 7 years of related experience OR an M.S. degree in Cellular/Molecular Biology, Biochemistry or Chemistry PLUS 5 years of related experience OR a Ph.D. in Cellular/Molecular Biology, Biochemistry or Chemistry PLUS 1 year of related Post Doctoral experience OR 1 year of relevant work experience. Other factors to be considered are experience in mammalian cell culture, recombinant DNA techniques, protein purification and characterization, and computer literacy.

**Research Scientist VI/VII • REQ. #65917-29**

The Research Scientist VI will design and conduct experiments that elucidate the biochemical pharmacology of candidate drugs and that thereby expedite drug discovery and development. The successful candidate will be responsible for developing and implementing appropriate methodologies for characterizing the mode of action, pharmacokinetics, absorption, distribution, metabolism and excretion of novel compounds and for providing leadership in a team-oriented environment. Candidates should have achieved an appropriate publication record and should demonstrate good oral/written communication skills. The qualified candidate must have an M.S. in Biochemistry or Pharmacology PLUS 9 years of experience in research focused in Biochemical Pharmacology and Pharmacokinetics OR a Ph.D. in Biochemistry or Pharmacology PLUS 6 years of experience in research focused in Biochemical Pharmacology and Pharmacokinetics. Other factors to be considered include knowledge and experience in working under Good Laboratory Practices (GLPs), expertise in cell culture techniques, expertise in the use of computers for complex data analysis, and breadth of scientific knowledge and interests.

The Research Scientist VII will design and conduct experiments that elucidate the biochemical pharmacology of candidate drugs and that thereby expedite drug discovery and development. The successful candidate will be responsible for developing and implementing appropriate methodologies for characterizing the mode of action, pharmacokinetics, absorption, distribution, metabolism and excretion of novel compounds and for providing leadership in a team-oriented environment. Candidates should have achieved an appropriate publication record, have demonstrated supervisory capabilities as well as good oral/written communication skills. The qualified candidate must have an M.S. in Biochemistry or Pharmacology PLUS 11 years of experience in research focused in Biochemical Pharmacology and Pharmacokinetics OR a Ph.D. in Biochemistry or Pharmacology PLUS 8 years of experience in research focused in Biochemical Pharmacology and Pharmacokinetics. Other factors to be considered include knowledge and experience in working under Good Laboratory Practices (GLPs), expertise in cell culture techniques, expertise in the use of computers for complex data analysis, and breadth of scientific knowledge and interests.

We offer a competitive salary and comprehensive benefits. And our outstanding Research Triangle Park location is one of the most desirable areas of the country in which to work and live. To apply, please send your resume, indicating **REQ number** in your cover letter, by **Tuesday, December 20, 1994**, to: Burroughs Wellcome Co., Human Resources Department, 3030 Cornwallis Road, Research Triangle Park, NC 27709.

For information on other job opportunities with Burroughs Wellcome Co., call our Job Information Line at (919) 315-8347 in Research Triangle Park; or (919) 707-2997 in Greenville.

**BURROUGHS WELLCOME CO.**

An Equal Opportunity Employer
The College of Medicine at the University of Florida invites applicants for a non-tenure/ research track faculty or position at the ASSOCIATE PROFESSOR or ASSOCIATE or FOUNDER level with an anticipated start date in 1995. This position is available for an individual with an M.D. and/or Ph.D. who has a strong interest in/commitment to the clinical application of Human Gene Therapy. Salary will be commensurate with experience. The position will involve joint appointments in the General Clinical Research Center (GCRC), the Human Gene Therapy Center, and in the appropriate department in the College of Medicine. The applicant will be director of the Gene Therapy Core laboratory, will run the GCRC Good Manufacturing Practice (GMP) facility. The successful applicant will be expected to: a) coordinate independent research programs in mammalian genetics and/or human gene therapy, b) facilitate the development and administration of a GCRC-based, production-level gene therapy lab, and c) assist in the human application of current and future gene therapy research programs at the Health Sciences Center. Interested applicants are asked to submit a cover letter, curriculum vitae, and names of three references to: Dr. Peter Staopoulos and Nicholas Murov, Department of Medicine, University of Florida, Gainesville, FL 32610. The University of Florida is an Equal Opportunity/Affirmative Action Employer.

TWO TENURE-TRACK FACULTY POSITIONS SOUTHEAST MISSOURI STATE UNIVERSITY

Microbial Physiologist. ASSISTANT PROFESSOR beginning August 1995. Ph.D. preferred. Preference given to applicants with university teaching or postdoctoral experience in microbial physiology and evolution, and active research program in prokaryotic cell function. Teaching responsibilities include general microbiology and microbial physiology. The anticipated research program is expected. Successful candidate may participate in introductory and service courses.

Plant Biologist: ASSISTANT PROFESSOR, beginning Fall 1995. Ph.D. preferred. Preference given to those with university teaching or postdoctoral experience, record of publication and external funding. Responsibilities include general plant biology and botany. Successful candidate may also participate in introductory and service courses.

Applications are invited for two tenure-track positions in the Department of Pharmacology to be filled at the rank of ASSISTANT PROFESSOR or higher. The Department is seeking applicants with significant postdoc toral research experience and research interests relevant to cell signaling using contemporary approaches, including molecular structure, genetic analysis of functional and organismal processes, control of transcription, and the organization and function of the cardiovascular, nervous, or immune systems. Successful candidates will be expected to develop or maintain externally funded research programs and to participate in graduate and medical student teaching. The University of Virginia provides a highly active and a well supported by core facilities, research centers and training programs. Highly competitive salary and start-up packages are available for qualified candidates.

CURRICULUM VITAE, STATEMENT OF RESEARCH ACCOMPLISHMENTS AND PLANS, AND THREE LETTERS OF RECOMMENDATION SHOULD BE DIRECTED TO: Dr. Carl E. Creutz, Chair, Faculty Search Committee, Department of Pharmacology, University of Virginia, Charlottesville, VA 22908.

The University of Virginia is an Equal Opportunity/Affirmative Action Employer. Applications from women and underrepresented minorities are encouraged.

ENVIROMENTAL PLANT BIOLOGIST WEST VIRGINIA UNIVERSITY

The Department of Biology at West Virginia University invites applications for an introductory track position at the beginning ASSISTANT PROFESSOR level, available 16 August 1995. Ph.D. is required and teaching experience is preferred. The successful candidate is expected to have a broad understanding of the major content areas of introductory biology, undergraduate courses in the sciences, and experience in teaching undergraduates. The successful candidate is expected to teach an introductory undergraduate course in environmental biology, undergraduate and graduate courses in the sciences, and to develop and teach in the externally funded research program. We seek a candidate who will complement the skills of our current group of plant biologists, for example, candidates with research emphasis in conservation biology, plant/animal interactions, environmental plant physiology, and restoration biology. Please submit a curriculum vitae, a statement of teaching and research interests, and provide the names, addresses, and telephone numbers of four references to the Environmental Biology Search Committee, C.O. Box 06507, Department of Biology, West Virginia University, Morgantown, WV 26506-0657. Review of applications will begin January 15, 1995. West Virginia University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are strongly encouraged to apply.

ASSISTANT PROFESSOR OF PHYSIOLOGY

The Department of Physiology, College of Veterinary Medicine at Cornell University, is seeking applications for a tenure-track position of ASSISTANT PROFESSOR of Physiology. Applicants should have a D.V.M. or M.D., or equivalent, with appropriate postdoctoral training. The successful candidate is expected to develop a strong, externally funded research program in reproductive physiology. Individuals whose research interests complement existing programs in ovarian function and early and late pregnancy are particularly encouraged to apply. Established facilities exist with the objective of creating the Division of Biological Sciences to support molecular, cellular and systems-based approaches to reproductive physiologies. The successful appointee will be expected to graduate education through the Graduate Field of Physiology and will participate in the problem-based learning curriculum for veterinary students.

Send letter of interest, statement of research interests, curriculum vitae and the names of three references to: Dr. Robert F. Gilmour, Jr., Department of Physiology, TC 0238 VRT, Cornell University, Ithaca, NY 14853-6401 USA. Applications should be received by January 16, 1995. Women and minority candidates are strongly encouraged to apply.

STATE UNIV. OF NEW ERC INS.

The State University of New York at Buffalo invites applications for a tenure-track position in Environmental Science to begin August 1995. The successful applicant will be expected to teach courses in physical oceanography, climate change, and marine biology, and to develop an externally funded research program. The successful applicant must have a Ph.D. and a strong commitment to teaching and research. A publication record is desirable. Interested candidates should submit a curriculum vitae, three reprints, and the names of three references to: Dr. P. van Duyl, Chair, Department of Marine Sciences, SUNY at Buffalo, Buffalo, New York 14260. SUNY is an Affirmative Action/Equal Employment Opportunity Employer. Women and minorities are encouraged to apply.

ASSISTANT PROFESSOR OF BIOMEDICAL SCIENCES

The Department of Biomedical Sciences at The State University of New York at Buffalo invites applications for a tenure-track position at the Assistant Professor level in Developmental Biology. Applicants should have a Ph.D. and three years postdoctoral or equivalent experience. The ideal candidate should have a strong background in experimental developmental biology and a record of successful grant funding. The successful candidate will be expected to develop an active, externally funded research program in cell signaling and its role in development and in disease. The successful candidate will have the opportunity to interact with existing laboratory groups in Developmental Biology, Cell Biology, Anatomy and Molecular Biology, and Genetics. The University of Buffalo is an Affirmative Action/Equal Opportunity Employer. Women and minorities are specifically invited to apply.

ASSISTANT PROFESSOR OF ENVIRONMENTAL SCIENCE (tenure-track) in the Department of Biological Sciences, University of Delaware, Lewes, Delaware. The successful candidate is expected to have a Ph.D., with specialization in one of the following areas: marine biology, hydrobiology, oceanography, limnology, fishery science, animal behavior, aquatic ecology, or other related field. Responsibilities will include undergraduate and graduate teaching, and conducting an active research program in the area of specialization. Successful candidates will be expected to develop an externally funded research program. Salary is competitive with rank and experience. The University of Delaware is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR: Open STATE UNIVERSITY OF NEW YORK AT STONY BROOK

Applications are invited for a tenure-track position beginning July 1, 1995. The successful candidate will be expected to develop an active, externally funded research program in cell signaling and its role in development and in disease. The successful candidate will have the opportunity to interact with existing laboratory groups in Developmental Biology, Cell Biology, Anatomy and Molecular Biology, and Genetics. The University of Buffalo is an Affirmative Action/Equal Opportunity Employer. Women and minorities are specifically invited to apply.

ASSISTANT PROFESSOR OF BIOLOGY

The Department of Biology, University of Arkansas at Little Rock invites applications for two positions available August 1995. We seek a tenure-track ASSISTANT PROFESSOR with expertise in molecular biology, with the opportunity to teach cellular and molecular biology. The successful candidate will be expected to develop an active, externally funded research program. Salary is commensurate with rank and experience. Interested candidates should send applications including a letter of intent, curriculum vitae, and three letters of recommendation, to: Dr. T. Rankin or Dr. D. Royston, Department of Biology, University of Arkansas at Little Rock, Little Rock, Arkansas 72204-4461. Review of applications will begin early December 1994.

The University of Arkansas at Little Rock is an Equal Opportunity/Affirmative Action Employer.
Postdoctoral Positions in Vascular Smooth Muscle Cell Signal Transduction

A postdoctoral position is available for research in one of the following two areas:

1) The regulation of vascular smooth muscle migration with particular emphasis on elucidating the changes in intracellular signalling pathways that account for the increased migration of smooth muscle cells in and from aging animals;

2) The intracellular signalling pathways associated with activation of the cytokine-like receptor(s) for advanced glycation endproducts and the role of these pathways during vessel injury and aging.

Women, minorities and persons with disabilities who meet the eligibility requirements are encouraged to apply. Salary will be commensurate with qualifications and experience.

Mail CV by 12-30-94 to National Institute on Aging, Gerontology Research Center, 4940 Eastern Avenue, Baltimore, MD 21224, Attention: Edward G. Lakatta, M.D., Chief, Laboratory of Cardiovascular Science.

For further information, contact Edward G. Lakatta, M.D. at (410) 558-8202.

NIH is an Equal Opportunity Employer
ASSISTANT PROFESSORS: Tenure-track beginning fall 1995. (1) Biology Education (Doctorate). Person to teach general biology, supervise and teach students in biology education and coordinate laboratories in general biology. VT-PHYSIOLOGY PROGRAM will begin in Fall 1995. It is expected that the applicant will have had postdoctoral experience and a broad background in physiology. The responsibilities include teaching undergraduate and graduate courses in physiology, including sleep-related disorders, circadian sleep-wake physiology and experimental sleep research. Send curriculum vitae, three letters of recommendation, and a statement of research and teaching interests to: Dr. K. L. Hornberger, Chair, Department of Physiology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061. Applications received by January 15, 1995 will be considered.

ASSOCIATE PROFESSORS: Microbiology. The Department of Biology at Virginia Tech invites applications for two tenure-track faculty positions (associate professor) in microbiology to begin September 1995. The successful applicant will have had postdoctoral experience and a broad background in microbiology. The responsibilities include teaching undergraduate and graduate courses in microbiology, including sleep-related disorders, circadian sleep-wake physiology and experimental sleep research. Send curriculum vitae, three letters of recommendation, and a statement of research and teaching interests to: Dr. K. L. Hornberger, Chair, Department of Physiology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061. Applications received by January 15, 1995 will be considered.

ASSOCIATE PROFESSORS: Microbiology. The Department of Biology at Virginia Tech invites applications for two tenure-track faculty positions (associate professor) in microbiology to begin September 1995. The responsibilities include teaching undergraduate and graduate courses in microbiology, including sleep-related disorders, circadian sleep-wake physiology and experimental sleep research. Send curriculum vitae, three letters of recommendation, and a statement of research and teaching interests to: Dr. K. L. Hornberger, Chair, Department of Physiology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061. Applications received by January 15, 1995 will be considered.

ASSISTANT PROFESSOR MICROBIOLOGY. The Department of Biology at Virginia Tech invites applications for a tenure-track faculty position in microbiology. The successful applicant will have had postdoctoral experience and a broad background in microbiology. The responsibilities include teaching undergraduate and graduate courses in microbiology, including sleep-related disorders, circadian sleep-wake physiology and experimental sleep research. Send curriculum vitae, three letters of recommendation, and a statement of research and teaching interests to: Dr. K. L. Hornberger, Chair, Department of Physiology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061. Applications received by January 15, 1995 will be considered.

ASSISTANT PROFESSOR MICROBIOLOGY. The Department of Biology at Virginia Tech invites applications for a tenure-track faculty position in microbiology. The successful applicant will have had postdoctoral experience and a broad background in microbiology. The responsibilities include teaching undergraduate and graduate courses in microbiology, including sleep-related disorders, circadian sleep-wake physiology and experimental sleep research. Send curriculum vitae, three letters of recommendation, and a statement of research and teaching interests to: Dr. K. L. Hornberger, Chair, Department of Physiology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061. Applications received by January 15, 1995 will be considered.

ASSISTANT PROFESSOR MICROBIOLOGY. The Department of Biology at Virginia Tech invites applications for a tenure-track faculty position in microbiology. The successful applicant will have had postdoctoral experience and a broad background in microbiology. The responsibilities include teaching undergraduate and graduate courses in microbiology, including sleep-related disorders, circadian sleep-wake physiology and experimental sleep research. Send curriculum vitae, three letters of recommendation, and a statement of research and teaching interests to: Dr. K. L. Hornberger, Chair, Department of Physiology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061. Applications received by January 15, 1995 will be considered.

ASSISTANT PROFESSOR MICROBIOLOGY. The Department of Biology at Virginia Tech invites applications for a tenure-track faculty position in microbiology. The successful applicant will have had postdoctoral experience and a broad background in microbiology. The responsibilities include teaching undergraduate and graduate courses in microbiology, including sleep-related disorders, circadian sleep-wake physiology and experimental sleep research. Send curriculum vitae, three letters of recommendation, and a statement of research and teaching interests to: Dr. K. L. Hornberger, Chair, Department of Physiology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061. Applications received by January 15, 1995 will be considered.

ASSISTANT PROFESSOR MICROBIOLOGY. The Department of Biology at Virginia Tech invites applications for a tenure-track faculty position in microbiology. The successful applicant will have had postdoctoral experience and a broad background in microbiology. The responsibilities include teaching undergraduate and graduate courses in microbiology, including sleep-related disorders, circadian sleep-wake physiology and experimental sleep research. Send curriculum vitae, three letters of recommendation, and a statement of research and teaching interests to: Dr. K. L. Hornberger, Chair, Department of Physiology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061. Applications received by January 15, 1995 will be considered.

ASSISTANT PROFESSOR MICROBIOLOGY. The Department of Biology at Virginia Tech invites applications for a tenure-track faculty position in microbiology. The successful applicant will have had postdoctoral experience and a broad background in microbiology. The responsibilities include teaching undergraduate and graduate courses in microbiology, including sleep-related disorders, circadian sleep-wake physiology and experimental sleep research. Send curriculum vitae, three letters of recommendation, and a statement of research and teaching interests to: Dr. K. L. Hornberger, Chair, Department of Physiology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061. Applications received by January 15, 1995 will be considered.

ASSISTANT PROFESSOR MICROBIOLOGY. The Department of Biology at Virginia Tech invites applications for a tenure-track faculty position in microbiology. The successful applicant will have had postdoctoral experience and a broad background in microbiology. The responsibilities include teaching undergraduate and graduate courses in microbiology, including sleep-related disorders, circadian sleep-wake physiology and experimental sleep research. Send curriculum vitae, three letters of recommendation, and a statement of research and teaching interests to: Dr. K. L. Hornberger, Chair, Department of Physiology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061. Applications received by January 15, 1995 will be considered.
The National Science Foundation has awarded five Graduate Research Traineeships in Coastal Ocean Processes to The Massachusetts Institute of Technology-Woods Hole Oceanographic Institution Joint Program in Oceanography and Applied Ocean Sciences and Engineering for interdisciplinary research leading to the Ph.D. or D.Sc. in Oceanography or Ocean Engineering. We invite applications from individuals who are U.S. citizens or permanent residents and who have a Bachelors or Masters degree in a relevant discipline; e.g., Physics, Mathematics, Geology, Geophysics, Chemistry, Biology, Engineering and Oceanography. Women, minorities and individuals with disabilities are strongly encouraged to apply.

Some examples of the many interdisciplinary research areas are: Air-sea interactions in the coastal ocean; Biogeochemistry and effects of chemicals of environmental concern; Wetlands research; Ecosystem field studies and modeling; Coastal fisheries; Instrumentation for coastal ocean studies; Benthic processes and benthos-water column interactions; Rivers and the coastal ocean; Plankton dynamics.

For more information and application forms, please contact: Education Office Woods Hole Oceanographic Institution Clark Laboratory 223, Woods Hole MA 02543. Phone: (508) 457-2000 x 2219 Email: education @whoi.edu.
POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR TENURE-TRACK, FISHERIES SCIENCE

Applicants must have a Ph.D., publications, teaching experience, and a commitment to a program integrating theoretical and applied research with environmental conservation and management. Send a letter of application, curriculum vitae, statements of teaching philosophy and research interests, and the names of at least three references by Feb- 

uary 15, 1995, to: Dr. R. B. Ditton, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX 77843-2258. Telephone: 409-845-8777.

Texas A&M University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from qualified women and minority candidates.

TENURE-TRACK FACULTY POSITION IN BIOLOGICAL OCEANOGRAPHY

The School of Oceanography at the University of Washington invites applications for a tenure-track AS- SISTANT PROFESSOR position in biological oceanography. Persons pursuing research on upper water col-

umn processes involving phytoplankton are encouraged to apply. Strong commitments to teaching are the under-

graduate and graduate levels and working with students are required.

Informal requests for further information may be di-
rected via Internet to Dr. Bruce Frost at the following address:

frost@ocean.washington.edu.

Applicants should send a curriculum vitae, a statement of research and teaching interests, a list of publications, recent reprints, and the names of four references to:

Professor Arthur R. M. Newell, Director School of Oceanography, WB-10 University of Washington Seattle, WA 98195

Closing date for applications is 13 January 1995. The University of Washington is an Equal Opportunity/Affirma-

tive Action Employer.

ACADEMIC UROLOGIST M.D./Ph.D.

This FACULTY POSITION requires a candidate who has fellowship training in urology and a Ph.D. in Molecular Biology with clinical and research interests in prostate cancer. Please send inquiries to Jay Y. Gillen-

water, M.D., Department of Urology, Box 422, Uni-

versity of Virginia Health Sciences Center, Char-

lottesville, VA 22908. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

CHAIR

Department of Anatomy and Cell Biology

University of Florida College of Medicine

The University of Florida College of Medicine invites applications and nominations for the position of PRO-

FESSOR and CHAIR of the Department of Anatomy and Cell Biology. The successful candidate will assume a leadership role to administer and continue to develop the department’s research, teaching and graduate training missions. The department currently has 13 primary facul-

ty with research interests in cell and structural biology and responsibility for teaching graduate, medical, and other professional students. Candidates must have a Ph.D. and/or M.D. degree with an established record in re-

search and a commitment to teaching. Previous adminis-

trative experience at the department level is negotiable. Inter-

ested individuals should submit a curriculum vitae, a statement of their research and teaching interests, and the names and addresses of at least three references. The deadline for applications is January 31, 1995, with an anticipated start date of August 1995. Applications should be sent to: Stephen P. Baker, Ph.D., Search Committee Chair, Department of Pharmacology, University of Florida College of Medicine, Box 100267, Health Science Center, Gainesville, FL 32610.

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

POSITIONS OPEN

CHAIRPERSON

DEPARTMENT OF PHARMACOLOGY

UNIFIED SERVICES UNIVERSITY OF THE HEALTH SCIENCES

The F. Edward Hébert School of Medicine of the Uni-

formed Services University of the Health Sciences (USUHS) invites nominations and applications for the position of PROFESSOR AND CHAIRPERSON, De-

partment of Pharmacology. The department has partici-

pated in research, teaching, and graduate education in the arena of the biological and medical sciences. The chairperson is expected to build on the existing strengths of the department while adding new depth and dimension to the depart-

ment’s activities. Review of applications will begin in Jan-

uary 1995, and the position is open until filled. Applicants should submit a curriculum vitae with bibliogra-

phy, a letter describing their investigative, didac-

ty, and administrative experience, and the names of three references to: Robert E. Goldstein, M.D., Chair-

man, Search Committee, Unified Services Uni-

versity of the Health Sciences, College of Medicine, 4201 Jones Bridge Road, Bethesda, MD 20814-4799. For-

eign nationals will be considered only if qualified United States citizens are not available. USUHS is an Equal Opportu-
nity/Affirmative Action Employer strongly committed to national, cultural, and ethnic diversity.

PROFESSOR OF PSYCHIATRY AND SCIENTIFIC DIRECTOR of the Psychiatric Institute at the University of Illinois at Chicago is sought for leader of a research institute within the Department of Psychiatry. The Institute consists of several neuroscience laborato-

ries, clinical psychopharmacology and mental health ser-

vices research units, educational and training programs. The Institute is funded by substantial state support and is augmented by grant and contract funds. The director is expected to build a program integrating basic, clinical and biological services and research to develop consultation programs useful to the State Department of Mental Health. The candidate must have demonstrated the capacity to obtain external support or evidence of leadership roles in re-

search enterprises, to develop and oversee research in diverse areas, and to establish an organized system which stimulates growth. M.D. or M.D./Ph.D. or equivalent. This is a full-time tenured position. Please submit curriculum vitae, a brief statement of research experience, and three letters of recommendation to: Dr. Lisa Ebihara, Department of Phar-

macology, College of Medicine, Box 662, University of Illinois at Chicago, 812 South Wood Street, Chicago, IL 60612-7327. The University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer.

STAFF ASSOCIATE

Position available to study structure-function of gap junctional proteins in oocyte pairs. Must possess an M.S. or Ph.D. in Biological Sciences with a minimum of four years experience in the area of experimen-

tal physiology and/or pharmacology. Send curriculum vitae and names of three references to: Dr. Lisa Ebihara, Department of Phar-

macology, College of Medicine, Box 662, University of Illinois at Chicago, 812 South Wood Street, Chicago, IL 60612-7327. The University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer.

ABSTRACTOR

International biomedical publisher seeks freelance to summarize articles from the literature in cardiology, oto-

laryngology, anatomic pathology and pain medicine for this biweekly publication. Candidate must have Training in experimental physiology and medical background preferred. Good writing skills and computer literacy required. Payment per article. Send re-

sumes to: Robert Bubbeo, Chair, Search Committee, 100 Wallace Boulevard, New Bedford, MA 02747-2300. Review of applications will begin January 1, 1995, and continue until the position is filled.

SAMUEL L. AND FAY M. SLOVER ENDEDOWED CHAIR IN PHYSICAL OCEANOGRAPHY

Center for Coastal Physical Oceanography

Department of Oceanography

Old Dominion University

Old Dominion University, the Slover Endowment, the Department of Oceanography, and the Center for Coastal Physical Oceanography are pleased to announce the avail-

ability of an ENDEDOWED CHAIR in physical oceanography. The position was made available by the retirement of Professor G. T. Ganaday. The University has selected oceanography in general and physical oceanography spe-

cifically for emphasis in the recently announced five-year strategic plan. The Center for Coastal Oceanogra-

raphy, where the chair would reside, offers excellent com-

puting resources to facilitate research in a beautiful water-

side setting with a group of fifty collegial scientists. We encourage applications from people appropriate for the position and applications.

Applicants must be at the senior level, have active re-

search programs, and be committed to graduate education.

Applicants should send a curriculum vitae, a brief de-

scription of research interests, and names of three refer-

ences to: Carole E. Blett, Search Committee Adminis-

trator, Center for Coastal Physical Oceanography, Critten ton Hall, Old Dominion University, Norfolk, VA 23529. Evaluation of applications will begin on Jan-

uary 2, 1995, and continue until the position is filled.

Old Dominion University is an Affirmative Action/Equal Opportu-

CHAIR, PHARMACEUTICAL SCIENCES

SCHOOL OF PHARMACY, TEXAS TECH

Applications invited for CHAIR, Department of Phar-

macological Sciences, Texas Tech University Health Sci-

cences Center. Applicants must have a Ph.D. in a Pharm.

D. student is accepting its first class of 55 Pharm.D. students fall 1996. A Ph.D. program is proposed for 1998. Department will have 17 FTE's in all Pharmaceutical Sciences. Chair is responsible for faculty recruitment, development and pro-

gram planning. The successful candidate will have a ma-

ture, extramurally funded research program in one of the disciplines fundamental to pharmaceutical education required. Submit letter with statement of research interest, name, address and telephone number of three references to: Chair Search, School of Pharmacy, Texas Tech University, Lubbock, TX 79409.


1600

SCIENCE • VOL. 266 • 2 DECEMBER 1994
In-vivo Synaptic Neurophysiology with PET
Montreal Neurological Institute
McGill University

The Montreal Neurological Institute invites applications for a tenure-track position at Assistant or Associate Professor level. We are seeking an individual with expertise in the use of PET to study receptor/transmitter mechanisms underlying human neuropathology and normal brain function. The successful candidate would be expected to develop a strong independently-funded research program as well as fulfilling the responsibilities of a senior team member within a larger group of PET researchers.

The MNI has a well-established Neuroimaging group with numerous links to the clinical/basic research groups in the McGill and Montreal academic communities, a new 8-target medical cyclotron and an extensive image analysis environment. Candidates should submit a curriculum vitae, a brief statement of research interests and arrange for three letters of reference to:

Dr. Alan Evans
Chairman
Synaptic Neurophysiology Search Committee
Montreal Neurological Institute
3801 University Street
Montreal, Quebec, Canada H3A 2B4

PHARMACOLOGIST

The mission of Human Genome Sciences is to identify and develop drugs and diagnostic products based on its leadership in the discovery and expression of novel genes from human and animal origin.

This position involves the development of pre-clinical small animal models for a wide variety of activities and/or diseases. This candidate will be expected to take proteins with demonstrated desirable in vitro activities and test them in appropriate animal models for confirmation of in vivo efficacy. In addition, the candidate is expected to collect, analyze and report data on these findings in a professional and efficient manner with little or no supervision. Position requires the ability to think and work independently, and to work closely with a large group of committed scientists in broad areas of research, especially hematology, immunology and cancer. Requires at least 3 years of laboratory experience in related fields and demonstrated record of past performance. Ph.D. in related fields such as pharmacology, physiology or immunology is necessary.

For immediate consideration, please send your curriculum vitae to Human Resources Department, Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, MD 20850. FAX: (301) 309-8512 An Equal Opportunity Employer.
UNIVERSITY OF OKLAHOMA
Gracey B. Kerr Endowed Chair in Biochemistry

The Department of Chemistry and Biochemistry, The University of Oklahoma (OU), Norman Campus, invites applications for one endowed chair at the GRACEY B. KERR ENDOWED CHAIR in Biochemistry. Candidates must have an active, funded research program in any area of biochemical science, and must have demonstrated accomplishments, and a demonstrated commitment to undergraduate and graduate education. The successful candidate will hold a doctoral degree in the area of biochemistry and must have a minimum of 10 years of experience in independent research. Preference will be given to candidates with a record of publication and grant support. Applications and supporting materials should be sent to: Dr. David A. Young, Dean and Chair, Gracey B. Kerr Endowed Chair in Biochemistry, College of Arts and Sciences, University of Oklahoma, 601 Elm, Room 1100, Norman, OK 73019-0315. The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply. OU has a policy of being responsive to the needs of dual-career couples.

EMORY UNIVERSITY
Dean of the Graduate School of Arts and Sciences

Emory University invites applications and nominations for the position of DEAN of the Graduate School of Arts and Sciences. Emory University currently enrolls approximately 20,000 students in nine schools, taught by 1,700 full-time instructional faculty, of whom 700 are graduate faculty. The Graduate School of Arts and Sciences enrolls 1,300 students and awards Master’s and doctoral degrees in 25 departments. The Dean is responsible for providing academic leadership in all aspects of the graduate program and representing graduate studies within the administration of the University.

Candidates must have a record of teaching and scholarship commensurate with appointment to the rank of professor. Evidence of administrative and aptitude is required, as is commitment to rigorous graduate education.

Applications should submit a letter detailing their interest and pertinent information, with a curriculum vitae. Applications and letters of nominations should be sent to: Professor Thomas S. Burns, Chair, Graduate School, Department of History, Bowden Hall, Emory University, Atlanta, GA 30322. The search committee will begin reviewing dossiers December 15, 1994.

Emory is an Affirmative Action/Equal Opportunity Employer.

ASSOCIATE DIRECTOR FOR RESEARCH Little Rock Geriatric Research Education and Clinical Center

The Department of Biochemistry, Molecular Biology and Medicine at the University of Arkansas for Medical Sciences and the Little Rock VA Hospital are seeking applications from an internationally known Ph.D. or M.D. SCIENTIST to head an existing, highly productive research group in geriatric aging research. The successful candidate will have a demonstrated record in the Department of Biochemistry and Molecular Biology, or Medicine, and will occupy about 2,500 square feet of laboratory space. The position will be funded in full by the laboratories and support laboratory personnel. We seek an individual with demonstrated excellence in areas of cell biology, aging research or age-related diseases, such as cancer, Alzheimer’s disease or osteoporosis. Individuals with expertise in the regulation of gene expression, cell cycle regulation or glycol metabolism, are encouraged to apply. Send applications by January 15, 1995, including a resume and names and addresses of three to five references to: Dr. Alan Iliff, University of Arkansas for Medical Sciences, Biochemistry and Molecular Biology, 4301 West Markham, Slot 516, Little Rock, AR 72205. The VA and University of Arkansas for Medical Sciences are Equal Opportunity Employers.

UNIVERSITY OF CALIFORNIA SANTA BARBARA
School of Environmental Science and Management

We invite applications for two SENIOR POSITIONS in any area of natural or Earth Systems including, but not limited to the following: (a) physical science processes such as climate regulation or oceanographic and atmospheric cycles; (b) biogeochemical cycles, and their interactions; (c) environment regulation and policy analysis, economic valuation, and resource management. We seek distinguished applicants with strong publication records, rigorous, original research programs, evidence of excellence in teaching, and a commitment to helping start a new, interdisciplinary program that will admit its first students in fall 1995. Applicants should have a Ph.D. and salary will depend on teaching and research experience.

Application deadline is January 27, 1995. Start date is July 1, 1995. Letters of interest, names of four references, and a statement of proposed research and teaching interests, and reprints of no more than five publications to: Jeff Dozier, Dean, School of Environmental Science and Management, University of California, Santa Barbara, CA 93106. Email: dozier@cscce.ucsb.edu.
The University of California is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION in Animal Behavior: The Zoological Society of San Diego announces availability of the J. Dallas Clark Professorship. Starting date is May 1, 1995, to investigate effects of captive living on mating behavior and reproduction in solitary mammals. Includes archival analysis of a 10-year semi-structured mating record. Candidates must be willing to spend up to 6 months in a third world country. Two year position, with three year renewal possible, to April 29, 1995. Stipend $25,200 (12 months). Interested applicants should send curriculum vitae, a statement regarding current and future research interests, and names of three references to: Dr. Markham, Dean, School of Environmental Science and Management, University of California, Santa Barbara, CA 93106. Telephone: 805-893-4411; Fax: 805-893-4540; Email: markham@cscce.ucsb.edu.
The University of California is an Equal Opportunity/Affirmative Action Employer.

MEMBRANE TRANSPORT POSTDOCTORAL POSITIONS are available for studies in the molecular structure and mechanism of the neuropsora plasma membrane H+ ATPase. This membrane transporter has been crystallized and its structure is beginning to emerge. An efficient mutagenesis system for the H+ ATPase has also been developed. Work will be conducted in physical and transcription mapping of human chromosome 11. Experience in molecular genetic and genomic technology is required. The position will include cloning, expression and purification of a cDNA fragment. A research description and future interests and telephone numbers of three references to: Thomas B. Shows, Ph.D., Chair, Department of Human Genetics, Roswell Park Cancer Institute, Buffalo, NY 14263. Roswell Park is a Minority/Female/Disabled/Veteran/Affirmative Action Employer.

POSTDOCTORAL POSITIONS in Human Genome Research

Ph.D./M.D. POSITIONS to isolate and characterize genes associated with breast cancer, Wilms’ tumor, leukemia, and male sexual dysfunction. Applications available in physical and transcription mapping of human chromosome 11. Experience in molecular genetic and genomic technology is required. The position will include cloning, expression and purification of a cDNA fragment. A research description and future interests and telephone numbers of three references to: Dr. Michael G. Izbach, Department of Obstetrics and Gynecology, University of Texas Medical School, Galveston, TX 77555-1068.

University of Texas Medical Branch (UTMB) is an Equal Opportunity/Affirmative Action Employer and hires only individuals authorized to work in the United States. UTMB is a smoke-free/drug-free workplace.

POSTDOCTORAL POSITION available immediately to study the effects of nucleic acid sequence and regulatory proteins on RNA polymerase II ternary complex composed of polymerase, RNA polymerase II, and transcription factors. Interested individuals are encouraged to apply (必将 immunoglobulin). A research description and future interests and telephone numbers of three references to: Dr. T. Hoshi, Department of Pharmacology, University of Iowa, Iowa City, IA 52242.

University of Iowa, Iowa City, IA 52242. Fax: 319-335-7380; Email: Toshihori@uiowa.edu. The University of Iowa is an Equal Opportunity/Affirmative Action Employer. Women and minorities are strongly encouraged to apply.

POSTDOCTORAL POSITIONS available immediately, well funded position for recent Ph.D. interested in cytokine receptor immunology. Training in molecular biology is essential and experience in cytokine receptor immunology and gene transfection or antisense research preferred. Please submit curriculum vitae and a brief statement of research interests to: D. B. Kaufman, M.D., Ph.D., Northwestern University Medical School, 303 East Superior Street, Pappas Pavillon, Suite 535, Chicago, IL 60611.
HEMOSOL
Research Scientist

Hemosol Inc., a dynamic Toronto biotechnology company has an opening for a Research Scientist.

Candidates must have a Ph.D. degree with relevant post-doctoral and/or industrial experience. An expert current knowledge of hematopoiesis, hematopoietic growth factors and hematopoietic cell culture is a prerequisite. Knowledge and/or experience with advanced cell culture technology is highly desirable. A strong general background in cell biology, molecular biology and hematopoiesis is expected. Good oral and written communication skills are required, as is a high level of self-motivation.

We offer a competitive salary and benefit package in a stimulating work environment. If you are interested in joining our talented team, please send your resume to: Human Resources Department, Hemosol Inc., 115 Skyway Avenue, Etobicoke, Ontario M9W 4Z4 or Fax (416) 798-0151. Preference will be given to Canadian citizens and landed immigrants.

No agencies please.

JOIN THE FIRST NAME IN BIOSAFETY TESTING

MICROBIOLOGICAL ASSOCIATES (MA) is a rapidly growing international provider of biological and toxicological safety testing services to the pharmaceutical, personal care and biotechnology industries. Our entry into new GMP businesses has created the following opportunities:

STUDY DIRECTORS

Qualified candidates for the Study Director opportunities will have a Ph.D. with a minimum of 2 years industry experience, including management of a lab under GLP/GMP guidelines. Unsurpassed oral, written and PC communication skills are key for effective client interactions.

MASS SPECTROMETRY: Expertise in LCMS, electrospray and MALDI-TOF or photodiode array GMP experience highly desirable.

CHROMATOGRAPHY VALIDATION: Develop and validate chromatographic methods for biopharmaceuticals. Protein characterization experience: sequencing, AAA, peptide mapping, highly desirable.

PROCESS VALIDATION: Experience in design and performance of viral inactivation/neutralization studies for biopharmaceutical processes. Expertise in classical virology, retrovirology and biochemical separation techniques is required.

CELL BANKING: A background working with both anchor-dependent and anchor-independent cell lines is required. Preparation of MCB and MWCDB desirability. (An M.S. degree individual with 8+ years directly related experience may be considered).

VIRAL END POINT ASSAY: Perform and validate plaque, focus and other assays supporting quantification of virus and retrovirus-containing process intermediates.

DIRECTOR OF MOLECULAR BIOLOGY

This highly visible position requires a Ph.D. and 5+ years experience managing an industrial laboratory or department under GLP/GMP guidelines. A demonstrated commitment to excellence in molecular virology, toxicology, oncology or cell biology will enable the successful individual to skillfully develop and direct the newly formed molecular biology group at MA. Qualified candidates will have a strong publication record, developed management and communication skills.

PURIFICATION PROCESS VALIDATION

TECHNICAL SERVICES MANAGER

The Technical Services Manager will interact with the scientific & marketing/hales staff to draft technical proposals and coordinate all on-site validation activities. The ideal candidate will have an M.S. degree and 3-5 years experience in virology or viral clearance studies and protein purification development/Validation.

Join us at our state-of-the-art facility in the Washington, DC suburbs as we build on our 40-year tradition of scientific excellence. For immediate consideration please forward a resume with salary history indicating specific area of interest to the Human Resources Department:

MICROBIOLOGICAL ASSOCIATES
9900 Blackwell Road, Rockville, MD 20850
Fax (301) 738-1036 EOE m/f/v/d

MARINE BIOLOGICAL LABORATORY
1995 Summer Research Fellowships at the MBL
(Focusing on Younger Investigators)

Full Fellowships

These fellowships cover most costs of conducting summer research, plus living and travel expenses, in the following areas:

- Nikon Fellowship - any area of biological sciences requiring the use of advanced microscopy. *Jacob Summer Fellowships* - any area of biomedical research.

Partial Fellowships

These fellowships may be available individually or in concert to cover many of the costs of conducting summer research, including living and travel expenses in the following areas:

- Robert Day Allen Fellowship - cell motility and cytoarchitecture: Frederik B. Bang Fellowship Fund - for research using marine models in molecular biology or biomedicine; John O. Crane Fellowship Fund - independent research in any area; Bernard Davis Fund - microbiology and evolution; M.G.F. Foote Fellowship - neuroscience; Daniel S. Groach Fund - environmental toxicology; Ann E. Kammer Fellowship Fund - for women researchers, with a preference for neuroscience; Stephen W. Kuffler Fellowship - neurobiology; Lucy B. Lemann Fellowship - research in any area; MBL Associates Fellowships - research in any area; James A. and Faith Miller Memorial Fund - any area, with developmental biology preferred; Porter Fellowship for Minority Investigators - collaborative research in any area of physiology; The Doven and Minerva Spiegel Fellowship Fund - any area, developmental biology preferred; H.B. Steinbach Fellowship - cell biology and phylogeny.

Application deadline for Fellowships and Laboratory Space Rental is January 15, 1995. Applications are reviewed by the MBL Fellowship Committee. Notification of decisions mailed by March 15, 1995.

For application forms and additional information, contact: Fellowship Coordinator, Office of Research Administration, Marine Biological Laboratory, Woods Hole, MA 02543; phone: (508) 548-3705, ext. 441; fax: (508) 457-1924. Or download information from the MBL Home Page on the Internet/World-Wide Web at http://www.mbl.edu or via the MBL Gopher at gopher.mbl.edu. MBL is an EEO/Affirmative Action Institution.

BS/MS BioOrganic Chemist

PARKE-DAVIS, Pharmaceutical Research Division of the Warner-Lambert Company, has an immediate opening in the BioOrganic Chemistry Section of the Chemistry Department. The successful candidate will function as a member of a highly motivated team to investigate nucleic acids as targets for drug intervention using modern chemical and biochemical methods. This position requires a BS or MS in Chemistry, or equivalent, with a working knowledge in nucleic acid chemistry. Experience in DNA/RNA synthesis, purification, and analysis are preferred. PARKE-DAVIS research facilities, located in Ann Arbor adjacent to the University of Michigan campus, are exclusively devoted to drug discovery and development. Our scientific staff enjoy excellent compensation and benefits, a new chemistry building, and an exceptional living environment with diverse activities associated with a major university.

Qualified applicants should forward curriculum vitae, list of references, and salary requirements to: PARKE-DAVIS, Human Resources, Attn: LJB-94136, 2800 Plymouth Road, Ann Arbor, MI 48105. "Smoke-Free Work Environment"
POSITIONS OPEN

RESEARCH ANIMAL SCIENTIST/ RESEARCH ASSISTANT

The Gene Evaluation and Mapping Laboratory, Live-
tock and Poultry Sciences Institute, Beltsville Agricultur-
al Research Center, in Beltsville, Maryland, seeks a per-
manent staff member to isolate, culture, and transfec
tembryonic livestock embryos with selectable markers. Ph.D. in an-
imal, dairy, or poultry sciences is desired. Must have knowl-
dge and skills in application of mammalian cell cul-
ture, development, and isolation of cell lines from livestock embryos. Salary commensurate with experience: $42,003 to $64,928 per annum. Must be a U.S. citizen. Applications, with references, must be submitted to: Dr. R. Axelrod at 301-504-8534; C/O 301-544-3954 for application directions. Must submit SF-171 curriculum vitae, transcripts, and response to selective factors to: USDA, ARS, Personnel Division, 6305 Ivy Lane, Room 305, Greenbelt, MD 20770-1435. Responses to this announcement should be marked 6E001 and must be postmarked by December 19, 1994. ARS is an Equal Opportunity Employer.

PREDOCTORAL AND POSTDOCTORAL FELLOWSHIPS

The Eppley Institute at the University of Nebraska Medical Center, one of 12 National Cancer Institute-designated Laboratory Cancer Research Centers, has excellent opportunities in all areas of cancer re-
search including: cellular, molecular and structural bio-
ology; chemical carcinogenesis; cancer cause and prevention; and developmental therapeutics. Funds are available through an NIH training grant, individual grants, and other sources. Predoctoral stipends are $12,000 per year, plus tuition remission and medical insurance. Postdoc-
toral fellows will be commensurate with experi-
ence and are nationally competitive. Prospective postdoc-
toral fellows should forward a curriculum vitae, three let-
ters of recommendation, and a brief description of re-
search interests. For complete information and application procedures, prospective predoctoral students and postdoctoral fellows should contact: Director, Eppley Institute, UNMC, Box 968605, Omaha, NE 68198-6805; or Call: 402-559-6509. An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION to study mecha-
nisms of hepatic detoxification and transport of electro-
philic compounds, and specifically to characterize a novel xenobiotic metabolism reporter system. Experience with DNA libraries and cDNA cloning is desirable. Send curriculum vitae and names of three references to: Dr. Ned Balla-
tori, Department of Environmental Medicine, Uni-
versity of Rochester, PO Box 600, Rochester, NY 14642. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE IN MOLECULAR NEUROBIOLOGY

A position is available immediately to study the role of protocadherins in nervous system development with an emphasis on their role in neural cell-cell interactions. A strong background in molecular, cell biology, and neurobiology, and tissue culture is desired. Applicants should send cur-
riculum vitae, a summary of research interests, and names and telephone numbers of three references to: Dr. Gregory
J. Cole, Neurobiotechnology Center, The Ohio State University, 184 Nightingale Drive, 1062 Carmack Road, Columbus, OH 43210. The Ohio State University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS available in gene regulation at The University of Pennsylvania. Projects refer-
to: Dr. reg. (specific) specificity in the transcription of specific genes in the intestinal tract. Experience with the regulatory elements of mammalian genes and/or regulatory proteins is required. SALARY: $25,000-$32,000. Send curriculum vitae, transcripts, and names and addresses of three references to: Dr. Todd Traber, M.D., Ph.D., Research Scientist, 218C Medical Science Building, 415 Curie Boulevard, Philadelphia, PA. 19104. FAX: 215-873-2024. Email: trabe@pobox.upenn.edu. An Equal Opportunity/Affirmative Action Employer/Minorities/Di-
babled/Veterans.

POSTDOCTORAL/RESEARCH ASSOCIATE

Two NIH-funded positions are available to study tran-
scriptional regulation in cardiac and muscle diseases. Experience in molecular biology or yeast genet-
ics preferred. Salary will be commensurate with experi-
cence. Send curriculum vitae to: Dr. Donald C. Mehta, Department of Biochemistry and Molecular Biology, Slot 516, University of Arkansas at Little Rock, Little Rock, AR 72205. FAX: 404-861-8169.

RESEARCH ASSOCIATE POSITION available immediately for self-motivated Ph.D., M.D. to study neuronal and retinal gene regulation in these areas of molecular biology. Experience with the use of mammalian cell lines is desirable. Send curriculum vitae, summary of research interests and three letters of recommendation to: Dr. Joseph Reh, Ph.D., Program Director, Pharmacology Training Grant (NHLBI), Meharry Medical College, 1005 D. B. Todd Boulevard, Nashville, TN 37208. Telephone: 615-327-6301. FAX: 615-327-6632. Meharry Medical College is an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH POSITIONS available in cell and molecular biology/immunology for studying the immunoregulation and mechanisms of autoimmune arthritis. Experience in the mechanisms of patholog-
ical bone resorption, and the prospective immuno-
gene therapies of these processes. Positions are available from March/April of 1995. Desirable experience in molecular bio-
ology is desirable. Applicants should send a curriculum vi-
te, a brief summary of research experience and the names of at least one other referee to: Dr. Tiber G. Glant, M.D., Ph.D., Professor, Department of Biochemistry, Rush Medical University at Rush-Presbyterian-St. Luke Medical Center, 1563 West Congress Parkway, Chicago, IL 60612.

POSTDOCTORAL POSITION available January 1995 to study metabolism of chemotherapy drugs and enzyme induction as part of a collaborative interdiscipli-
inary group at the University of Virginia Cancer Center. Must have Ph.D. or M.D. degree with experience in molecular biology tech-
niques. Experience with molecular biology tech-
niques is preferred. Send curriculum vitae, summary of research experience and names of at least one other referee to: Dr. Peyton Taylor and Marie Hanigan, Division of Gynecologic Oncology, Box 387 Health Science Center, University of Virginia, Charlottesville, VA 22908.

CLINICAL CYTGENETICIST FELLOWSHIP is available in January 1995 at the Cytogenetic Laboratory. Doctoral degree (M.D. or Ph.D.) is required and experi-
cence in cytogenetics is desirable. The training is approved by the National Cancer Institute and is a joint training program between the University of Wisconsin Department of Pathology and the University of Wisconsin Department of Pediatrics. Send CV and names and addresses of three references to: Dr. S. H. Eppstein, M.D., Director, Developmental and Genetic Center, University of Wisconsin Medical School, 600 Highland Avenue, Madison, WI 53792. FAX: 608-263-4571. An Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIP RESEARCH ASSOCIATE

Applications are invited for POSTDOCTORAL/RE-
SEARCH ASSOCIATE positions to study the regulation
of extracellular matrix in the kidneys, heart, and blood vessels in hypertensive disease. Experience in endothelial cell biology or vascular biology is desirable. Candidates must have a Ph.D. or an M.D. with an interest in physiological research and training in cellular and/or mol-
ecular aspects of extracellular matrix. Salary will be commensurate with experience and credentials. Interested applicants should submit a curriculum vitae, a statement of research interests, and names and addresses of three references to: Dr. John Hall, Department of Physiol-
ogy and Biophysics, University of Mississippi Medical Center, Jackson, MS 39216. The University of Mississippi Medical Center is an Equal Opportunity Employer, Male/Female/Disabled/Veterans.

A POSTDOCTORAL FELLOWSHIP is available to study stimulators and inhibitors of angiogenesis in breast cancer. Applicants must have training in molecular biology and less than three years of postdoctoral experience. Salary range $25,000-$30,000, depending on experi-
ence. U.S. citizenship or permanent residence status is required.

For application, please send a curriculum vitae and list of references to: Dr. Kamal Mustafa, Chair, 10 Medical Sciences Drive, Box 68198-6805, Bethesda, MD 20892. NIH/NICHD is an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH FELLOWSHIPS available in the Center for Human Nutrition at the Uni-
versity of Colorado Health Sciences Center (UCHSC). Areas of interest include human energy metabolism, nu-
trient control of gene expression, obesity/insulin action, mineral/tissue elemental metabolism, and hormone/nutri-
tive control of lipid and protein metabolism. Positions available July 1, 1995, to U.S. citizens and permanent residen-
tes with M.D. or Ph.D. degrees. Send curriculum vitae, three letters of recommendation, and statement of research interests/goals to: Steven D. Clarke, Ph.D., UCHSC, 4200 East Ninth Avenue, Box 2235, Den-
ver, CO 80262 by March 1, 1995. The UCHSC is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIP in Neurobiolo-
y. Available immediately at the University of Maryland Medical Center, Baltimore, Maryland, to study the mo-
ecular regulatory molecules expressed by glial cells. Applicant should have a Ph.D. or M.D. and at least two years of exper-
ience in molecular biology or related research. Send CV and references to: Dr. Susan W. Wolf, School of Medicine, University of Maryland Medical System, 22 South Greene Street, Baltimore, MD 21201. The University of Maryland encourages women and minorities to apply. An Equal Opportunity Employer.

CEDARS-SINAI MEDICAL CENTER POSTDOCTORAL FELLOWSHIP

Positions in Neurology will be involved in the molecular genetics of neurodegenerative diseases and the mo-
ecular analysis of familial CNS tumors. Requires a Ph.D. or M.D. degree with a background in molecular and postdoctoral training. Send curriculum vitae, names and addresses of two references to: Jobs No. 1940192, 1940193, Dr. Stefan M. Pulsat, Cedars-Sinai Medical Center, 2770 S. Grand, Los Angeles, CA 90048. An Affirmative Action Equal Opportunity Employer.

The Department of Zoology offers two tenure-track positions in the following: 1. LECTURER. Neurobiologist/Neuroscientist who will conduct independent research in behavioral studies and research at the organismic level. 2. RESEARCH ASSOCIATE. Scientist/Curator/Researcher. Candidates for these positions must have Ph.D. or M.D. degrees and experience in the study of the molecular and neuroanatomical aspects of behavior. See detailed positions in this issue of SCIENCE and advertisements in the relevant scientific journals. Send CV and two letters of reference to: John Z. Z. Poulos, Tel Aviv University, c/o Tel Aviv University, Ramat Aviv 69778, Israel, not later than January 15, 1995.

1804 SCIENCE • VOL. 266 • 2 DECEMBER 1994
HORMONE-REGULATED SIGNAL TRANSDUCTION

The University of Calgary Endocrine Research Group invites applications for a full-time academic position to develop an independent research program in hormone action, with a focus on intracellular covalent modification reactions and cell signalling pathways. Duties include teaching and graduate student supervision. Qualifications include a PhD and/or MD with the equivalent of at least two years' postdoctoral training in molecular endocrinology or related disciplines, and a proven record of excellence in research. Academic appointment will be with an appropriate department in the Faculty of Medicine.

The selected candidate must compete successfully for salary and establishment funding from agencies such as the Alberta Heritage Foundation for Medical Research and/or national agencies such as the Medical Research Council of Canada, and will have at least 75% of time protected for research.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of Calgary is committed to Employment Equity.

Please submit a curriculum vitae, a synopsis of research interests and two reprints of recent publications, and arrange for three letters of reference to be sent directly, by February 15, 1995, to:

Dr. M.D. Hollenberg, Chair, Endocrine Research Group
The University of Calgary, 3330 Hospital Drive N.W.
Calgary, Alberta, Canada T2N 4N1

POST-DOCTORAL BIOCHEMIST

GREENFORD/ST STEVENAGE UK

An exciting opportunity has arisen for an enthusiastic, innovative post-doctoral scientist to work in our Glycobiology Research Group. As part of a large multidisciplinary team, you will work alongside molecular biologists and enzymologists who are investigating the roles and regulation of glycosyltransferases involved in the biosynthesis of ligands for mammalian lectins. Preference will be given to candidates with experience in protein biochemistry and/or studies of reaction mechanisms.

Publication of research findings and the establishment of links with academic groups is encouraged. This post is for a minimum of two years, extendable to three.

Glaxo is one of the world's largest research-based pharmaceutical companies with an excellent reputation for the quality of its research. You will have the opportunity to work in our new state-of-the-art purpose-built research centre at Stevenage.

Please write, enclosing CV to: Kate Lawrey, Human Resources, Glaxo Research and Development, Gannels Wood Road, Stevenage, Herts, SG1 2NY, UK.

SMITH & NEPHEW CHAIR IN CELLULAR AND MOLECULAR BIOLOGY OF TISSUE REPAIR

Smith & Nephew are funding a new research chair with generous support for a nucleus of staff, equipment and running costs in the Department of Biology at the University of York. Its focus will be new approaches to understanding the biology of tissue repair and novel methods of replacement. We wish to encourage novel developments in the study of tissues damaged by surgery, trauma and by acquired or genetic disease. We are particularly interested in new approaches to treatment. Applications are invited from those with a good track record and an active research group working in one or more of the above areas.

The Department of Biology has 36 members of academic staff and a total research staff of over 300. It provides an exciting and well-equipped research environment across a wide range of biology. The principle relevant research areas are infection and immunity, cancer, muscle biology, hard and soft tissue mechanics, reproductive biology, epithelial transport and cell signalling.

Smith & Nephew is one of the world's leading healthcare companies, with a history of advances in medical technology. A strong R & D programme is recognised as essential for growth. The Group Research Centre, based on the University's Science Park with 180 staff, is Smith & Nephew's interface between market-driven demands and the pioneering research being pursued in academic centres. The Group Research Centre is mainly involved in studying biological repair and regeneration, new polymeric materials, and interactions between materials and tissues which improve healing.

The University of York and Smith & Nephew see great advantage and potential in their close proximity, and enjoy a close collaborative relationship.

The appointment is for a permanent Professorship in the Department of Biology. Smith & Nephew's initial support is for five years. This will be a full-time research post whilst external funding for the Chair is provided. Further particulars are obtainable from the Personnel Office. Informal enquiries may be made to the Head of the Biology Department (Dr David White) on 0904 432830.

Salary, within the professorial scale, is by negotiation.

Applications (ten copies) with full curriculum vitae and the names of three referees, should be sent by 31 December 1994 to the Personnel Office, University of York, Heslington, YORK YO1 5DD. Please quote reference number 3/1047.

THE UNIVERSITY OF YORK
As the largest research based pharmaceutical company in Europe, Glaxo Research and Development aims to promote quality of life the world over. Our medicines combat illness and disease in more than 150 countries and our product range includes the world's best selling prescription medicine.

Initially based at Greenford, West London, you will relocate to our brand new £multi-million research site at Stevenage, Herts, some 30 miles north of London, in early 1995. There you'll find the world's finest state of the art equipment - everything you need to help us make future breakthroughs.

We're now looking for three innovative, enthusiastic and hard-working Scientists to join our Virology Department working in multi-disciplinary teams as follows:

**BIOCHEMIST**

To work on purification and characterisation of proteases from the herpes viruses and hepatitis C virus. You should have experience in protein purification and/or enzymology, and an interest in enzyme mechanism and inhibition. You are likely to have a minimum of a PhD degree or equivalent experience. Ref: VT/VIR/23.

**VIROLOGIST**

To lead the work of a research team in the Virology Department aimed at understanding hepatitis virus replication.

You will need a PhD in a biological science, ideally with 2 - 3 years' post-doctoral experience and a proven research record. Practical experience of classical virology and molecular biological techniques is a prerequisite and previous experience in hepatitis viruses and/or hepatic cell systems would be an advantage. One of your goals will be to establish your group rapidly as a major contributor to hepatitis virus research. Ref: VT/VIR/21.

**MOLECULAR VIROLOGIST**

A 3 year post-doctoral vacancy exists for an experienced molecular virologist to work in the newly-formed Virus Pathology research group.

Our interest is in how HIV establishes and maintains chronic infection in the infected individual, and you will be expected to contribute to the development of ideas in this area.

Educated to PhD level you will ideally have 2 - 3 years' post-doctoral experience and an excellent understanding of virology through working with one or more virus/cell systems (HIV experience is desirable but not essential).

Since this is a scientific research position there will be every opportunity to collaborate with outside groups and to publish. Ref: VT/VIR/22.

In return you will receive a competitive salary and a wide range of benefits including generous relocation assistance where appropriate. As a major health care company, we are committed to a no smoking environment.

Please write, enclosing your CV to: The Assistant Human Resources Adviser (Research), Glaxo Research and Development, Gunnels Wood Road, Stevenage, Herts SG1 2NY, United Kingdom. Please quote the appropriate reference.
At Glaxo we are interested in bringing the best of academic research to the critical pharmaceutical needs of our times. And if that means gathering together a team from the four corners of the globe - then that's exactly what we'll do. That's because we firmly believe that bright and developing scientists will provide the creative energy necessary to solve important biological puzzles. If you fall into this class we have an exceptional opportunity for you.

Glaxo is initiating a new program to study the linking of mammalian 7 transmembrane receptors to yeast signalling pathways. Led by a yeast academic scientist, the team will be made up of talented individuals with a commitment to both solving the practical problem and understanding the basic mechanisms. The work will require imagination and enthusiasm from all team members.

Glaxo provides state-of-the-art facilities for the work beginning at Greenford, West London and continuing at our brand new purpose-built research campus at Stevenage, Hertfordshire, some 30 miles north of London.

If you are a recent doctorate specialising in yeast research or science graduate with a similar interest and a desire to participate in this important work, write to Kate Lawrey, Glaxo Research and Development Limited, Gunnels Wood Road, Stevenage, Herts SG1 2NY, United Kingdom. Fax: (+44) 438 763055.
## PHYSIOLOGY - MICROBIOLOGY
### OHIO UNIVERSITY

The Department of Biological Sciences is seeking to fill four tenure track Assistant Professor positions beginning September, 1995. The Department is expanding and successful candidates are expected to complement a large and diverse department which presently consists of 47 full-time faculty. All positions require a Ph.D. in Biology or related discipline, demonstrated research ability, and postdoctoral experience. ENVIRONMENTAL MICROBIOLOGY, Microbial physiology and soil microbiology, MIcrobiology and animal physiology, and/or Introductory Biology. Applicants will be evaluated using letters of recommendation, publications, and the ability to interact with existing faculty with interests in sediment and water-column biogeochemical cycling, phytoplankton ecology and larval fish dynamics. Applications must be postmarked by January 20, 1995.

Hydrodynamics/ Biomathematics: We are seeking a person who applies the principles of fluid dynamics to the interactions between organisms and their physical environment. Areas of interest include, but are not limited to, the effects of suspended material on larval transport and settlement, or the influence of boundary layers on exchange of materials between organisms, sediments and the water column. A strong background in mathematical modeling is desirable. Applications must be postmarked by February 21, 1995.

The Centers for Disease Control and Prevention (CDC) announces the Position of Chief, Behavioral and Preventive Research Branch, Division of STD/HIV Prevention (DSTD/HIVP) which has the primary function of providing scientific and technical direction, evaluation, and coordination of the activities of CDC’s largest behavioral research branch and to determine the focus of CDC’s behavioral and prevention research activities for sexually transmitted diseases, including human immunodeficiency virus (STD/HIV)

### Qualifications
A Ph.D. in behavioral science (psychology, sociology, anthropology), or M.D., with internship and postdoctoral training in epidemiology is preferred.

### Major Duties/Responsibilities
The individual selected for this position will: Establish missions, goals, performance standards, and priorities of the Branch; Provide expert leadership in behavioral and social science issues as they affect STD/HIV occurrence and transmission; Provide expert competence in response to public health officials, scientists and administrators on behavioral and community level research proposals or consultation relative to STD/HIV prevention; Oversee the design, implementation, and evaluation of model community level intervention programs for the prevention of STD/HIV; Oversee the implementation of scientific manuscripts to assure high publication rates in major peer reviewed scientific journals; Oversee a branch staff of 28.

Salary: $69,180 – $89,931

For further information, contact Dr. Martin Fishbein, DSTD/HIVP, (404) 639-8300. CVs may be sent to Judy Young, Human Resource Management Office, 1600 Clifton Road, Mailstop D45, Atlanta, Georgia 30333. This announcement will close 12/31/94.

### Two Marine Science Faculty Positions

The Alabama Marine Environmental Sciences Consortium (MESC) announces the availability of two marine scientist faculty positions beginning in October, 1995 to complement a growing program in estuarine/shelf ecology and oceanography. We seek candidates at the Assistant Professor level who can collaborate with a diverse faculty. Salaries are for 10 months and the starting date is negotiable.

Zooplankton Ecology: We are seeking an individual who focuses on trophic transfer and/or process-oriented research in zooplankton ecology. The candidate should be capable of teaching introductory zoology courses and the ability to interact with existing faculty with interests in sediment and water-column biogeochemical cycling, phytoplankton ecology and larval fish dynamics. Applications must be postmarked by January 20, 1995.

Hydrodynamics/Biomathematics: We are seeking a person who applies the principles of fluid dynamics to the interactions between organisms and their physical environment. Areas of interest include, but are not limited to, the effects of suspended material on larval transport and settlement, or the influence of boundary layers on exchange of materials between organisms, sediments and the water column. A strong background in mathematical modeling is desirable. Applications must be postmarked by February 21, 1995.

The MESC is an independent institution of higher education in Alabama, with 22 member schools from around the state and is housed at the Dauphin Island Sea Lab. Successful applicants are expected to develop a vigorous research program and must have demonstrated a potential to attract extramural funding. Teaching responsibilities will include 12 quarter hours per year. Graduate student advisement is strongly encouraged and may be facilitated by joint appointment at a MESC member university.

Applications including vitae and a statement of research and teaching interests, along with names and addresses of three references, should be sent to:

Faculty Search Committee
Marine Environmental Sciences Consortium
P.O. Box 369-370
Dauphin Island, AL 36528
(205) 861-2141

The MESC is an equal opportunity/affirmative action employer and does not discriminate on the basis of race, religion, color, sex, age, national origin or physical ability.

### University of Arkansas at Little Rock

#### TWO BIOLOGY POSITIONS

The Department of Biology at the University of Arkansas at Little Rock invites applications for two positions available August, 1995. UALR is a metropolitan institution with a current enrollment of approximately 12,000 students. The Department of Biology consists of 19 full-time faculty members and more than 300 majors in its various degree programs. The Department of Biological and Environmental Engineering Technology and offers B.S. degrees in Biology with two concentrations (Ecology and Fisheries and Wildlife Management), Environmental Health Science (four options) and Health Education (two options). A tenure-track Assistant Professor with expertise in molecular biology is sought. The applicant’s research will be in any biological discipline. The successful applicant will be expected to teach a senior level course in molecular biology and a service course at the freshmen or sophomore level. The faculty member will also be expected to develop a vigorous research program and advise undergraduate students. A Ph.D. is required; post-doctoral experience and the ability to procure external funding are encouraged. A full-time Biology Instructor is also sought. The successful applicant will have a minimum of a Master’s Degree in Biology or equivalent and a strong commitment to excellence in teaching. Qualified applicants from all areas of biology are welcome; however, the primary teaching responsibilities of this position will be in General Biology, Anatomy and Physiology. This position is a non-tenure-track full-time continuing position. Letters of application should include a curriculum vitae, a statement of research and teaching interests, undergraduate and graduate transcripts, and at least four letters of reference. Review of applications will begin January 16, 1995 and will continue until the position is filled. Applications should be addressed to Thomas Lynch, Chairperson, Department of Biology, University of Arkansas at Little Rock is an Equal Opportunity/Affirmative Action employer and actively seeks the candidacy of minorities, women, Vietnam veterans, and persons with disabilities. Under Arkansas law, all applications are subject to disclosure.

#### HEAD, DEPARTMENT OF ANATOMY

THE UNIVERSITY OF IOWA

The Department Head as the executive director of the Department of Anatomy shall be responsible for the teaching, research and service operations of the Department. The individual shall be able to lead and coordinate the activities of the Department and to determine the focus of the Department. The candidate should have strong ties to both the Department of Physiology and Cell Biology courses and supervision, coordination and development of the Department. The Department Head will be expected to contribute to the research program of the Department and to be able to manage departmental resources, including fiscal, facilities, as well as direct short term and long term strategic planning.

The University of Iowa College of Medicine is one of the top ten public medical schools in National Institutes of Health funding and is part of a major research university.

Candidates should possess a Ph.D. or M.D. degree, or equivalent, have a distinguished record of teaching, research, and service. Academic rank in the College of Medicine at the University of Iowa will be commensurate with education and experience. The successful candidate must have a demonstrated capacity to foster an environment in which excellent teaching and scholarship can flourish.

The Search Committee seeks candidates who have a record of innovative and effective administrative leadership, demonstrated advocacy skills; record of excellent interpersonal skills, be fluent in the use of modern technology and student/staff and faculty. The candidate should have a commitment to diversity and must possess strong administrative skills.

The Search Committee will accept nominations and applications until the position is filled. Submissions should include a letter of application, curriculum vitae, a statement of research and teaching interests, undergraduate and graduate transcripts, and at least four letters of reference. Applications should be addressed to: Michael A. Appelbaum, M.D. Chair Search Committee for the Head of Anatomy University of Iowa College of Medicine 460 F masek Iowa City, Iowa 52242

Dr. Martin Fishbein, DSTD/HIVP

(404) 639-8300

CVs may be sent to Judy Young, Human Resource Management Office, 1600 Clifton Road, Mailstop D45, Atlanta, Georgia 30333. This announcement will close 12/31/94.
FRESHWATER SCIENCE COLLEGE PROFESSOR

Kelowna, British Columbia, Canada

A dynamic leader is required to direct the Bachelor of Science program in Freshwater Science which was introduced in September 1994. This program is offered in cooperation with the University of B.C. and emphasizes an integrated approach to Biological, Chemical, Geographical, Geological and Management aspects of freshwater studies. Minimum qualifications include a Ph.D. in a related discipline, a commitment to teaching, a strong publication record, and a solid background in freshwater resource issues. The successful applicant will provide leadership to the Freshwater Science program and be responsible for teaching two senior level courses which integrate the subject. Teaching assignments in the candidate's traditional discipline may also occur. The successful candidate will develop a research program involving Freshwater Science students and work collaboratively with the Okanagan Institute for Freshwater Studies. This is a continuing appointment effective August 1, 1995. Inquiries should be directed to Dr. Muggeridge, Dean, Division of Mathematics and Science: telephone (604) 470-6025. Salary and working conditions are governed by the Okanagan University College Faculty Association Collective Agreement. Salary is $42,591 to $61,201 per annum dependent upon qualifications and experience. In accordance with Canada Employment and Immigration requirements, research will be given to Canadian citizens and Landed Immigrants (permanent residents) of Canada. Please submit a curriculum vitae and names of three referees by February 15, 1995 (quoting Competition #88FAC94) to: Personnel Services, Okanagan University College, 1000 K.L.O. Road, Kelowna, B.C. V1Y 4X6, Canada.

ASSISTANT PROFESSOR

The Department of Otolaryngology - Head and Neck Surgery has a tenure-track opening at the level of Assistant Professor to develop a research program in molecular oncology. The position will be a joint appointment with the Division of Oncology, Department of Pathology, where several groups are active in molecular oncology research. Applicants with experience in research on the pathogenesis of human cancer will be considered. Particular attention will be given to those candidates interested in developing a program on head and neck tumors and in benefiting from the strength of the Otolaryngology and Pathology Departments in the diagnosis and clinical management of these neoplasms. New fully equipped laboratory space and generous start-up funds are available.

Applicants should hold the degree of Ph.D., M.D./Ph.D., or M.D., and should have sufficient experience to develop a successful independent research program. Applications should include a curriculum vitae, bibliography, and a brief statement of research programs. Columbia University is an Equal Opportunity/Affirmative Action Employer. Send applications and three letters of recommendation to:

Lanny Garth Close, M.D., Chairman
Department of Otolaryngology
Head & Neck Surgery
Columbia University
College of Physicians & Surgeons
630 West 168th Street
New York, N.Y. 10032

POSTDOCTORAL OPPORTUNITIES

The Bioscience and Biotechnology group in the Chemical Science and Technology division is seeking postdoctoral candidates in the area of structural biology with neutron and x-ray scattering applications aimed at understanding function of biomolecular complexes. We offer state of the art facilities for small-angle x-ray and neutron scattering, as well as an array of complementary spectroscopic capabilities including NMR, EPR, FTI, optical, laser and time-resolved spectroscopies. We also have substantial synthetic capabilities including isotope labeling. Our group supports a diverse set of applications with this expertise base including: biomolecular structure and dynamics, biomimetic materials development, and biomedical technologies. A PhD completed within the last 3 years or soon to be completed required. Annual starting salaries range from $41,250 to $44,570, plus a generous and comprehensive benefit package. For consideration: submit TWO COPIES of a curriculum vitae and publication list to Postdoc Programs 94070-PD, MS P290, Los Alamos, NM 87545. Affirmative Action/Equal Opportunity Employer. Individuals with disabilities needing reasonable accommodation should call (505) 667-8622. A Teleype Device for the Deaf (TDD) is available by calling (505) 665-5257. Los Alamos National Laboratory is operated by the University of California for the US Department of Energy.

Los Alamos
NATIONAL LABORATORY

LAPERATORY AUTOMATION

Pioneer Hi-Bred International Inc., the world’s largest developer, producer, and marketer of agricultural seeds, has an immediate opening for an Automation Manager in the Information Management Division, Automation Group. Pioneer is an equal opportunity employer providing a competitive salary, excellent benefits and facilities, plus a cooperative work environment.

The successful applicant will be part of a lab automation team responsible for the development of automation projects to support biotechnology lab research activities. Automation projects may range from computer-assisted data acquisition, instrument interfacing, image analysis, and software evaluation, to the design, development and implementation of robotic systems. The manager will set the overall direction for the lab automation effort, initiate projects, and cooperate with lab scientists to apply automation technology to enhance laboratory research. Requires Ph.D. in biology, biosystems engineering or closely allied biological/agricultural science with experience in instrumentation, automation, and computer technology in a lab research environment.

Send resume to: Pioneer Hi-Bred International, Inc.
Life Cycle Information Management
Attn: Georgia Roorda
7300 NW. 62 Ave.
P.O. Box 1004
Johnston, IA 50131
email: roordaga@phibred.com
POSTDOCTORAL POSITION

Available immediately for Ph.D. or M.S. for studies on immunoglobulin genes. Experience in molecular biology techniques is required, background in immunology is desirable. Please send curriculum vitae and letters of reference to: Jan Gerny, M.D., Ph.D., Department of Microbiology and Immunology, University of Maryland School of Medicine, 655 West Baltimore Street, BRB 13-015, Baltimore, MD 21201.

POSTDOCTORAL POSITION to study the signal transduction of Fc receptors. Projects include molecular approaches to study cell motility and tyrosine kinases. Experience in recombinant DNA and protein purification is strongly preferred. Send curriculum vitae and three letters of reference to: Dr. Steven Greenberg, Columbia University, P&S 9-203, 630 West 168th Street, New York, NY 10032. FAX: 212-305-5775; Email: Greenberg@cuccfa.ccc.columbia.edu. An Affirmative Action/Equal Opportunity Employer.

ASSISTANT EDITOR

nature Structural Biology

nature Structural Biology, a monthly journal of structural biology research, has an opening for an ASSISTANT EDITOR, to work full time in Washington, DC. Applicants should be familiar with the parent journal nature, be broadly knowledgeable about all aspects of structural biology and, ideally, have prior editorial experience. Sound scientific judgment and an exceptional ability to write clearly are essential. Although applicants with postdoctoral experience are particularly welcome, those with a Ph.D. who are interested in a career change, are also encouraged to apply. No telephone inquiries please. Applicants should submit a résumé, a sample News and Views article (of ~1000 words) with a structural biology theme and a letter explaining their qualifications to: Editor, nature Structural Biology, 1234 National Press Building, 529 14th Street, NW Washington, DC 20045

DIAGNOSTICS COAGULATION R&D

Ph.D. scientists to develop in vitro diagnostic reagents in clinical chemistry and vascular biology. Experience in enzymology, protein purification techniques and/or lipid chemistry is necessary (for additional details, Email: douglasm@sal.com). We offer a competitive salary and full benefits package. For confidential consideration, mail or FAX curriculum vitae.

Beverly Basler
Sigma Diagnostics
54 South Ewing
St. Louis, MO 63103
FAX: 314-531-2586
We are an Equal Opportunity Employer.

ANNOUNCEMENT

REQUEST FOR PROPOSALS to design a statistically efficient and unbiased scheme for sampling the population of juvenile coho salmon inhabiting streams on the northern California coast. Proposals are due by January 1995. Descriptions of the problem and the proposal format can be requested from the Farm, Fish, and Forestry Coalition at: (FAX) 916-444-0170 or cfa@holonet.net.

COMPUTER MARKETPLACE

"Ten million times better than random combinational mutagenesis" Bio/Tech. 11:1548

KAIROS + Scientific Inc.
FAX: 408-362-1200 E-Mail: cyberdope@sai.com

Circle No. 11 on Readers' Service Card

MARKETPLACE

CUSTOM DNA SYNTHESIS

- Price as low as $2.19 per base per set up
- Superb Technical Support
- Imppeccable Quality
- World's Fastest Service

THE MIDLAND CERTIFIED REAGENT COMPANY
3115 West Columbus Avenue
Midland, Texas 79701
Phone 1-800-247-8766 FAX 951-694-2387

Circle No. 2 on Readers' Service Card

MARKETPLACE

HUMAN ENDOTHELIAL CELLS

VENOUS, ARTERIAL, and MICROVASCULAR SYSTEMS

True pools of >50 donors, frozen at <6 CFU in vitro, >500,000 cells, complete C5 growth medium system characterized and tested for cytokine-stimulated leukocyte adherence, negative for HIV-1 DNA by PCR

Circle No. 19 on Readers' Service Card

MARKETPLACE

GUARANTEED PEPTIDES

$18.99 per residue
$200 peptide min.

Circle No. 20 on Readers' Service Card

Circle No. 3 on Readers' Service Card
Molecular Biology
Summer Workshops

WHEN:
Session I: June 4-June 17, 1995
Session II: July 2-July 15, 1995
Session III: July 23-August 5, 1995

WHERE:
Clark Science Center
Smith College
Northampton, MA

FACULTY:
Dr. Steven A. Williams
Dept. of Biological Sciences, Smith College,
and Molecular and Cellular Biology,
University of Massachusetts

Dr. John R. McCarrey
Dept. of Genetics, Southwest
Foundation for Biomedical Research

Dr. Barton Slatko
New England Biolabs, Inc.
DNA Sequencing Group

Dr. Janet B. Williams
New England Biolabs, Inc.

TO APPLY:
For this workshop, please submit a recent C.V.
and a one page statement of motivation to:

Dr. Steven A. Williams
Clark Science Center
Smith College
Northampton, MA 01063

We are pleased to announce the tenth annual New England Biolabs
Molecular Biology Summer Workshops held at Clark Science Center,
Smith College, Northampton, MA.

INTENSIVE BENCH EXPERIENCE: This intensive, two-week
course emphasizes hands-on molecular biology laboratory work.
About eight hours each day will be spent working at the bench. All
of the work is hands-on; there are no demonstrations.

EXPERIMENTS WILL INCLUDE: Construction and screening
of genomic and cDNA libraries, PCR, RNA-PCR, purification of
DNA, restriction enzyme digestion, gel electrophoresis, construction
of recombinant DNA molecules, cloning in plasmid and phage
vectors, cloning strategies, bacterial transformation, Southern and
Northern transfer and hybridization, radioactive and non-
radioactive labeling of DNA, and DNA sequencing. All of these tech-
niques are woven into a cohesive research project carried out by
each participant during the two-week session. Lectures and discus-
sion sessions (at least three hours each day) will deal with all of the
above topics and the application of these methods in molecular
biology research.

INTENDED FOR BEGINNERS IN MOLECULAR BIOLOGY:
No previous experience in molecular biology is required or expected.
Forty participants per session will be selected from a variety of dis-
ciplines and academic backgrounds. Last year's participants included
principal investigators, directors of programs, postdoctoral fellows,
graduate students, and research assistants. Their fields of research
included medicine, biochemistry, ecology, immunology, microbiology,
pharmacology, plant biology and others. They came from large
universities, small colleges, medical schools, hospitals, industry, and
private foundations.

FEE: $2900 per participant includes lab manual, use of all equip-
ment and supplies, and room and board (all rooms are singles). Fee
includes the use of the libraries and all campus athletic facilities
including indoor and outdoor tennis courts, pool, weight room,
track, etc.

APPLICATIONS MUST BE RECEIVED BY MARCH 1, 1995. 
Notification of acceptance, wait-list, or rejection will be mailed by
March 7, 1995. Payment in full will be due by April 15, 1995. Your
application should include a C.V. and a one page statement explain-
ing your motivation for taking the course. Please specify the
session to which you are applying (I, II, III) and indicate if you wish
to be considered for one of the other sessions as a second choice.
Women and minorities are especially encouraged to apply. For
additional information, please contact Dr. Steven A. Williams
at (413) 584-3643.
Discovery begins with a multitude of colors.

Only ABI PRISM genetic analysis products bring you the power of multicolor analysis. Because with our line of ABI PRISM instruments, reagents, and software, multicolor labeling is part of DNA analysis from start to finish. So you harness the power of automation to generate more data and turn it into meaningful results.

ABI PRISM systems determine the color as well as the position and intensity of a gel band. This additional color information enables ABI PRISM systems to separate a complex molecular mixture—run in a single lane—into a spectrum of molecular species.

With multicolor labeling, all four DNA sequencing reactions run in one lane. Likewise, controls and PCR products run in the same lane. Electrophoresis variables can’t interfere, so results are reproducible, gel to gel.

Our integrated systems streamline your genetic research. Start with convenient ABI PRISM reagent kits for DNA sequencing and PCR product analysis. Continue with electrophoresis on the proven ABI PRISM 373 DNA Sequencer—the heart of the system. And finish with ABI PRISM software, which converts raw data into definitive answers. ABI PRISM genetic analysis systems are unmatched in throughput, accuracy, and convenience. And they’re backed by our commitment to advancing your research. As part of Perkin-Elmer, the Applied Biosystems Division offers the most comprehensive range of products, services and support for DNA analysis.

Begin your next discoveries with the power of multicolor analysis. Call your local Perkin-Elmer representative today.