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Tuesday, 10 of Cancellations: Deadline for cancellation is 6742.

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positions open

FACULTY POSITIONS
Molecular, Cell, and Developmental Biology
Emory University School of Medicine

The Department of Anatomy and Cell Biology invites applications for tenure-track positions at the ASSOCIATE PROFESSOR level. The Department and School of Medicine are under new leadership and are greatly expanding their research programs and laboratory facilities. The Department seeks investigators who are applying molecular approaches to problems in cell, developmental, and neurobiology, using systems ranging from yeast to mammals. Faculty will participate in strong interdepartmental graduate student training programs. The School of Medicine is located on the Atlanta campus, in a desirable, residential community minutes of the many cultural and recreational opportunities of Atlanta and Georgia. Send curriculum vitae, a brief description of the proposed research program, and the names and addresses of three references to: Barry D. Shur, Ph.D., Department of Anatomy and Cell Biology, Emory University School of Medicine, 1648 Pierce Drive, Room 100, Atlanta, GA 30322. Applications should be received to be considered. Emory University is an Equal Employment Opportunity/Affirmative Action Employer.

FACULTY POSITION
MOLECULAR Virologist

The Department of Molecular Microbiology and Immunology at The Ohio State University is seeking applications for a tenure-track, hard-money faculty position at the ASSISTANT/ASSOCIATE PROFESSOR level in virology. The position includes appointment in the College of Medicine. Opportunities exist for interaction with molecular virologists within the department and throughout the most comprehensive universities in the country. Affiliations with the University’s Comprehensive Cancer Center, Retrovirus Center, AIDS Clinical Trials Unit, Heart and Lung Institute, Children’s Hospital Research Foundation, and other interdisciplinary programs are encouraged. Candidates hired at the rank of Assistant Professor will be expected to develop and maintain a high quality, funded research program. Individuals at the rank of Associate Professor will have a proven track record of peer-reviewed funding with strong potential to advance their research. Applicants should be experienced with virology.

Applicants should forward a curriculum vitae, statement of research interests/goals, and the names of three references to: Dr. Marshall Williams, Chairperson, Virology Search Committee, Department of Molecular Microbiology and Immunology, 333 West 10th Avenue, The Ohio State University, Columbus, OH 43210. Consideration of applications will begin on January 2, 1997, and continue until the position is filled. The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified applicants are encouraged to apply.

The Departments of Chemistry and Biochemistry at the University of Missouri–Columbia (MU) invite applications for a tenure-track position in protein crystallography. While appointment at the associate professor level is anticipated, all candidates with demonstrated excellence in both research and teaching are invited to apply. Applicants must be individuals who will assume a leadership role in macromolecular structure determination, actively participate in the further development of the department, and be committed to institutional enhancement, and take advantage of a rich variety of interdisciplinary research opportunities on the MU campus. Candidates invited for interviews will receive a brief summary of current research activities and plans, a description of teaching interests and experience, and the names and addresses of three references. Initial screening of applications will begin in December. All materials should be sent to: Dr. Peter A. Tipton, Crystallography Search Chair, University of Missouri, 123 Chemistry Building, Columbia, MO 65211.

The University of Missouri-Columbia is an equal opportunity/affirmative action employer.

positions open

CHAIR AND PROFESSOR OF BIOLOGICAL SCIENCES
University of Maryland

The College of Life Sciences at the University of Maryland–College Park invites applications for the position of PROFESSOR and CHAIR of the new Department tentatively called Biological Sciences. This Department is being formed by a merger of portions of our Zoology and Plant Biology Departments and consists of 3 tenure-track faculty and four full-time instructors with research and teaching interests in areas such as behavior, cell biology, developmental biology, ecology, evolution, genetics, neurobiology, and physiology. The department has an operating budget in excess of $3 million, $2.5 million in external funding, and is a key participant in the undergraduate Biological Sciences program with 2,000 majors. We seek an individual to provide academic and administrative leadership of the teaching and research program in the new library. The successful candidate will also be expected to continue his or her research program in their specific area of expertise. Candidates must have an earned doctorate in an appropriate area of biology and have internationally recognized academic accomplishments. Candidates should send a letter of application accompanied by a curriculum vitae to the address below. For best consideration, completed applications should be received by January 15, 1997.

The earliest anticipated starting date for this position is July 1, 1997. Applications or nominations should be sent to: Biological Sciences Committee, College of Life Sciences, Room 1118 Symons Hall, University of Maryland, College Park, MD 20742-5815.

Additional information can be found at the World Wide Web at: http://www.life.umd.edu/positions

The University of Maryland is an Affirmative Action/EQUAL Opportunity Employer. Women and minority candidates are encouraged to apply.

ZOOLOGISTS

The Department of Biological Sciences at Northern Arizona University invites applications for tenure-track AS- SISTANT PROFESSOR positions starting August 1997. These positions emphasize teaching. 1) A field vertebrate zoology position, which will include introductory zoology and general biology courses. 2) An anatomy/physiology position, which will include courses in the allied health sciences. Successful candidates will be expected to develop a research program that involves undergraduate and graduate students. Qualifications include a Ph.D., evidence of research accomplishments, and the ability to teach and communicate effectively. Collaborative and interdisciplinary research is expected. The Northern Arizona University community is composed of faculty, staff, and students from a wide range of culturally diverse backgrounds. Applications are encouraged and committed to work in, and with, such a diverse population. Applications should include a curriculum vitae, a summary of research goals, a statement of teaching interests and philosophy, and three letters of support. Applications will begin January 6, 1997. Forward all application materials to: Zoology Search Committee, Department of Biological Sciences, Northern Arizona University, Flagstaff, AZ 86011. Telephone: 520-523-2381; FAX: 520-523-7500; http://www.nau.edu/biology/

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

MOLECULAR PHARMACOLOGIST

The University of Pittsburgh School of Medicine invites applications for tenure-track positions at the ASSISTANT/ASSOCIATE PROFESSOR level. We seek individuals trained in the techniques of molecular and cellular pharmacology whose research interests focus on cellular as well as chemical approaches to drug discovery and novel targets. Current areas of expertise in the department include neuropharmacology, cardiodiopulmonary pharmacology, and cancer pharmacology. Applicants must have a Ph.D. and/or M.D. and relevant biophysical experience. It is expected that the successful applicant will seek and obtain independent extramural research funds. Send curriculum vitae, summary of research interests, and names of three references to: John S. Lazo, Ph.D., c/o Jeff A. Walker, M.B.A., Department of Pharmacology, University of Pittsburgh School of Medicine, W1343 Biomedical Sciences, Pittsburgh, PA 15260. Applications from women and minorities are particularly encouraged. MU is an Equal Opportunity/Affirmative Action Employer.

The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer.
MANAGEMENT ASSOCIATE

As a member of an established team, the successful candidate will provide planning support to R&D project teams and ensure efficient coordination of operational activities of late development projects for timely completion of registration dossiers. He/she will also maintain and distribute - to internal and external customers - technical project plans, overall plan analysis and Regulatory milestones.

Responsibilities include: • logistical support and coordination input to Process management team; • to organise and participate in technical meetings, to provide information on and interpret the requirements of regulatory bodies.

The successful candidate will have a PhD - or equivalent - in life science, with post-doctoral experience in bacteriology and immunology. At least 5 years experience in the biotechnological pharmaceutical industry is required, ideally with a regulatory background. Experience in "project team" operating is a distinct asset.

SENior ASSOCIATE MANAGER - DEVELOPMENT PROJECT COORDINATION (Ref. 1316/96)

As a member of an established team, the successful candidate will provide planning support to R&D project teams and ensure efficient coordination of operational activities of late development projects for timely completion of registration dossiers. He/she will also maintain and distribute - to internal and external customers - technical project plans, overall plan analysis and Regulatory milestones.

Responsibilities include: • logistical support and coordination input to Process management team; • to organise and participate in technical meetings, to provide information on and interpret the requirements of regulatory bodies.

The successful candidate will have a PhD - or equivalent - in life science, with post-doctoral experience in bacteriology and immunology. At least 5 years experience in the biotechnological pharmaceutical industry is required, ideally with a regulatory background. Experience in "project team" operating is a distinct asset.

REGULATORY AFFAIRS MANAGER IMMUNO THERAPEUTICS (Ref. 1720/96)

Based on acquired experience in anti-viral and/or oncology products, you will be responsible for developing and implementing the regulatory strategy for a new range of vaccines aimed at controlling chronic infectious diseases and cancer.

Your responsibilities will include: • preparation of documentation necessary to obtain and maintain clinical trial applications; • work with Preclinical and Clinical R&D in order to develop highest standards of quality in regulatory submissions, while defining appropriate strategies for optimal development timings.

The successful candidate will have a PhD in Biology or Applied Sciences. At least 5 years experience within the pharmaceutical industry in a R&D function and a proven track record of R&D Project Management experience are required. Candidates will have IT expertise, including experience with project management software. Working languages are French and English.

HEAD R&D PILOT PLANT (Ref. 177/96)

As head of the R&D Pilot Plant, the successful candidate will ensure preparation of clinical lots. Responsibilities include managing the pilot plant production team, maintenance and upgrading of GMP facilities in addition to co-ordinating activities with supplier and client groups.

The individual we seek should have an engineering qualification and extensive experience (PhD + 8 years of bachelor/masters + 12 years) in the pharmaceutical, biotechnology or food industry with proven achievements in pilot plant operation early development of manufacturing processes. Experience in managing a team is essential. Fluent command of English and French and very good communication skills are required.

SCIENTIST/BACTERIAL IMMUNOLOGIST (Ref. 1725/96)

The candidate will report to the Head of Pre-clinical Bacteriology and be responsible for the pre-clinical development of new combination bacterial vaccines for paediatric use. The candidate will lead the pre-clinical immunology aspects of the combination vaccine project. He/she will supervise technicians for the in vitro and in vivo immunological and bacteriological tests, will ensure a close co-ordination of development efforts with collaborating groups and in particular with clinical Immunology.

All positions carry a competitive salary/incentive package and comprehensive benefits. Would you like to take part in our success? Please send your application, curriculum vitae and a recent photograph, quoting the relevant reference, to SmithKline Beecham Biologicals, Human Resources Department, rue de l'Institut 89, B-1330 Rixensart, Belgium. E-mail: vanscareye@skbiso.be

SB

SmithKline Beecham
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN
College of Applied Life Studies
Timothy Nugent Chair
of Rehabilitation Science

CALL FOR NOMINATIONS

The College of Applied Life Studies seeks nominations of distinguished rehabilitation scientists for appointment to the Timothy Nugent Chair of Rehabilitation Science. This is a fully endowed Chair in Rehabilitation Science which honors Timothy Nugent, who established a program shortly after WWII to bring the benefits of a University of Illinois education to students with disabilities.

The Timothy Nugent Professor will be expected to lead and develop a program of applied disability and rehabilitation research that promotes the health, functional capacity and independence of individuals throughout the life course.

The appointee is expected to be nationally recognized, have an active research program and be eligible for the rank of Professor in the appropriate academic department of the College.

The appointee will be expected to play a major role in the development of an endowed Center for Integrated Rehabilitation Science and to conduct research within the Center.

The appointee will receive a competitive nine-month salary paid over 12 months with opportunity for summer employment. The endowment will support start-up and remodeling funds, as well as some recurring operating expenses. The position will be available at the conclusion of the review and subject to negotiations. Full consideration of nominations will begin January 1, 1997 and will continue until a suitable candidate is identified.

Nominations should be sent to:
Chair, Review Committee
Timothy Nugent Chair of Rehabilitation Science
University of Illinois at Urbana-Champaign
College Applied Life Studies
1206 South Fourth Street, Champaign, IL 61821
Phone: 217-333-2131 Fax: 217-333-0404
e-mail address: joycewol@uiuc.edu

The University of Illinois is an affirmative action/equal opportunity employer and, upon request, provides reasonable accommodations to individuals with disabilities.

RESEARCH AND EDUCATION

FACULTY POSITION IN GENOME SCIENCE
UNIVERSITY OF DELAWARE

The University of Delaware Department of Animal and Food Sciences and the Agricultural Biotechnology Center invite applications for a 12 month, tenure-track ASSISTANT PROFESSOR faculty position in genome science. The position is appointed at 50% research and 50% teaching and advising. Applicants must have a Ph.D., post-doctoral experience, and a record of research productivity. The successful applicant will be expected to develop an innovative research program in the applications of genome science to understanding the molecular mechanisms of poultry disease and to the evolution of pathogens. Effective communication with academic, government and industry colleagues is essential. Duties also include developing a course consistent with the individual’s background and the needs of the university. The Agricultural Biotechnology Center is an excellent academic opportunity and the individual selected for this position will have the opportunity to interface with a world-class effort in high throughput gene expression analysis undertaken as a major initiative of the new Agricultural Biotechnology Center. Send a letter of application, curriculum vitae, a list of three to five references, and a brief description of current research interests to: Dr. Robin W. Morgan, Search Committee Chair, Department of Animal and Food Sciences, 040 Townsend Hall, College of Agricultural Sciences, University of Delaware, Newark, DE 19717-1303. Review of applications will begin January 31, 1997.

The UNIVERSITY OF DELAWARE is an Equal Opportunity Employer which encourages applications from Minority Group Members and Women.

POSITION ANNOUNCEMENT

Electron Microscopist/Research Fellow

Auburn University is seeking an electron microscopist who is experienced in biological electron microscopy and has a working knowledge of current techniques. A working knowledge of and experience with advanced light microscopic techniques are desirable. It is also desirable for the candidate to be able to apply electron microscopy to other fields.

Rank and Salary: Appointment is a non-tenure track research fellow position.

The position is a 2-year appointment, renewable upon satisfactory performance and available funding. Salary is commensurate with training and experience.

Qualifications: Ph.D. in the biological sciences with an emphasis in electron microscopy.

Responsibilities: This position involves both research and teaching. The appointee is expected to manage and operate an electron microscope facility that has a Zeiss DSM 940 scanning electron microscope that is equipped with an X-ray unit, a Zeiss EM-10 transmission electron microscope, and ancillary equipment such as Porter-Blum microtomes, critical point dryer, vacuum evaporator, sputter coater, etc. Assist faculty, staff and graduate students in sample preparation and operation of the electron microscopes. Teach and/or assist in teaching courses in electron microscopy. Collaborate with researchers and actively participate in writing research proposals and performing research. Write competitive research proposals and conduct original research. Take the lead role in writing equipment proposals for upgrading the electron microscope facility. Interact well with users of the electron microscope facility and provide outreach to members of the community. Establish a working relationship with and attract funds from industry.

Application: Please send a resume and names, addresses and telephone numbers of three references to:

Christine W. Curtis, Chair, Search Committee
Office of the Associate Provost and Vice President for Research
202 Samford Hall, Auburn University, AL 36849-5112
(334) 844-4784 (Phone), (334) 844-5971 (Fax)
curtwc@mail.auburn.edu

Review of candidates will begin on February 15, 1997.

Auburn University is an Affirmative Action/Equal Opportunity Employer

MINORITIES AND WOMEN ARE ENCOURAGED TO APPLY

UNIVERSITY OF DELAWARE

BIOLOGY

Mercer University has two positions open in the biological sciences. A tenure-track assistant professor position requires a Ph.D. in the biological sciences with broad training in vertebrate biology and promise of excellence in teaching and scholarly activity. Duties will consist of teaching five courses per year to include introductory biology and comparative vertebrate anatomy and one or more of the following: ecology, field biology (e.g., ornithology, herpetology), and conservation biology. A visiting assistant professor or visiting instructor position requires a graduate degree (Ph.D. preferred) with broad training in molecular biology or genetics and promise of excellence in teaching and scholarly activity. Duties will consist of teaching five courses per year to include introductory biology and genetics. In both positions, we are especially interested in candidates able to contribute to general science education and/or the University’s interdisciplinary studies programs. Faculty are expected to assist in advising, and in department and university service. Research involving undergraduates is encouraged. Salary is commensurate with experience and qualifications.

Send a letter of application (clearly indicating the position of interest), a current c.v., and statements of teaching philosophy, teaching interests and experience, and research interests, and arrange to have official graduate transcripts and three confidential letters of reference sent to: Thomas A. Huber, Chair, Department of Biology, Mercer University, 1400 Coleman Avenue, Macon, Georgia 31207. Review of applications will begin on January 1, 1997, and will continue until the positions are filled.

Mercer University is a comprehensive institution of 6,800 students enrolled in eight colleges and schools. The historic core of the University, the College of Liberal Arts, is a selective, residential institution serving nearly 1,900 students and enrolling 1,450 undergraduate majors. The University and College are associated with a rich Baptist heritage and educational programs distinguished by their rigor and their commitment to academic freedom. An AA/EOE Employer, Mercer strongly encourages applications from females and members of minority groups.
International Organizing Committee

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Shigetoh Miyachi, Tokyo, Japan
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Harold Rosenthal, Kiel, Germany
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Holger W. Jannasch, Woods Hole, USA
Peter Murphy, Townsville, Australia
Jay Parsons, St John’s, Canada
Manfred Schartl, Wurzburg, Germany
Kazuo Tachibana, Tokyo, Japan

IMBC’97 will be held in Southern Italy starting in Sorrento on September 22, 1997. This very innovative Conference has been designed to develop a multidisciplinary, highly interactive program. It will consist of two phases: Phase I will take place in Sorrento from September 22 to 25 and will focus on research presentations and poster sessions - the program will be based on the abstracts selected after stringent peer review by an ad hoc International Program Committee; Phase II will consist of a four-day scientific working tour of southern continental Italy: Stopovers are scheduled in Paestum on September 25, in Capo Rizzuto on 26, in Otranto on 27 and finally in Pugnochiuso on September 28. In the evenings, Keynote Lectures will be delivered by: B.S. Blumberg, Philadelphia, USA, A. Kornberg, Stanford, USA, J. Lederberg, New York, USA, M. Rodbell, Research Triangle Park, USA, H.K. Schachman, Berkeley, USA, M. Smith, Vancouver, Canada. The Keynote Lectures will be followed by round-table discussions and interactive sessions with representatives of local marine biotechnology industries and research facilities. Phase II has been designed to generate new collaborations and improve academia, industry and to identify opportunities where Biotechnology can contribute sustaining marine natural generate the economic marine biotechnology industries, communicate to society in Marine Biotechnology can play quality of life and the Speakers will be selected from Abstracts may be submitted in the box below. Acceptance is review by the International presentations will be allotted 10 minutes Abstracts selected for poster presentation will also undergo strict peer review. Each participant may submit only one abstract and may not coauthor more than two abstracts. Deadline for abstract submission is January 15, 1997. Conference accommodation, meals and transportation during the program will be covered by a grant from the European Union, the Italian Government and the Stazione Zoologica ‘Anton Dohrn’. The program is totally integrated and attendance for both phases is mandatory. A fee of US$ 300 (not refundable) is due for organizational expenses. A limited number of fees will be waived for scientists from developing countries and emerging investigators including students. No travel grants are foreseen, consequently, participating scientists need to obtain travel funds from their own sources.

Topics

I. Marine Organisms as Biological Models for Marine Biotechnological Biomedical Applications
   -Cell and Molecular Biology
   -Developmental Biology
   -Biomedical Implications
   -Environmental Adaptation and Evolution
   -Others

II. Natural and Cultural Industrial Marine Resources in Marine Biotechnology
   -Aquaculture
   -Fisheries: Biology and Management
   -Natural Products
   -Conservation
   -Others

III. Marine Biotechnological Interactions
   -Biotreatment
   -Extremophiles
   -Host-Pathogen Interactions
   -Biodiversity
   -Symbiosis
   -Viruses
   -Others

IV. Social-Economic and Regulatory Aspects of Marine Biotechnology
   -Marine Policy Issues
   -UN Convention of Law of the Sea
   -Intellectual Property
   -UN Convention on Biodiversity
   -Others

For further information and advance registration contact: IMBC ‘97, Attn. Donatella Capone, Stazione Zoologica ‘Anton Dohrn’, Villa Comunale, I-80121 Naples, Italy. Tel.: +39-(0)81-5833.215 - Fax: +39-(0)81-764.1355 E-mail: imbc@alpha.szn.it
UNIVERSITY OF ROCHESTER
SCHOOL OF MEDICINE AND DENTISTRY

Position Announcement
Chair, Department of Pathology and Laboratory Medicine

The University of Rochester School of Medicine and Dentistry is accepting applications for the position of Chair of the Department of Pathology and Laboratory Medicine. We seek a dynamic and visionary academic leader with a commitment to excellence in research and educational programs. The successful candidate will possess superior administrative skills and will also have significant accomplishments in research, teaching, and patient care. A letter of interest or nominations together with an updated curriculum vitae should be sent to:

Lawrence A. Tabak, D.D.S., Ph.D.
Chair, Search Committee for the Chair of the Department of Pathology and Laboratory Medicine
University of Rochester
School of Medicine and Dentistry
Department of Dental Research
601 Elmwood Avenue, Box 611
Rochester, New York 14642

The University of Rochester is an equal opportunity employer.

POSTDOCTORAL RESEARCH OPPORTUNITIES
IN BREAST CANCER RESEARCH

Lombardi Cancer Center

Georgetown University Medical Center

An integral component of the Specialized Programs of Research Excellence in Breast Cancer grant (SPORE) awarded to the Lombardi Cancer Center is the training of new investigators for a career in translational research. The goals of the program include the development of individuals having the capability to move basic research findings into applied research settings with patients and populations. Two postdoctoral positions are immediately available. Successful applicants will have the opportunity to choose a mentor from among an interactive group of 14 peer reviewed and funded investigators who are currently committed to breast cancer research. Research programs cover the development of novel anticancer therapies, the evaluation of prognostic indicators, dissemination of the genetic and molecular mechanisms that underlie the malignant progression, prevention models, loss of estrogen sensitivity, and increased metastatic potential of breast cancer cells. Complete descriptions of individual research programs are available upon request. Salary is competitive and commensurate with qualifications and experience.

Applications from women and minorities are encouraged. Applicants should have a Ph.D. or M.D. Please send curriculum vitae, a short statement of research interests and goals, and the name and addresses of three references to:

Breast Cancer SPORc Postdoctoral Training Program
e/o: Marc E. Lippman, M.D.
Lombardi Cancer Center
Research Building, 3970 Reservoir Rd., NW
Washington, DC 20007-2197

A National Cancer Institute Designated Comprehensive Cancer Center

BEHAVIORAL BIOLOGIST

William Paterson College supports a welcoming and nurturing campus climate for a diverse faculty, staff and student body. In this spirit, we invite talented, committed professionals to join our college community.

The Department of Biology at William Paterson College invites applications for a tenure-track position at the level of Assistant Professor in Behavioral Biology, to begin September 1, 1997. A Ph.D. degree is required and postdoctoral experience is preferred. We seek someone whose research and teaching interests are in the molecular bases of behavior, preferably in mammals. The successful candidate will join a group whose interests are in the genetics of the nervous system and behavior, and a department with faculty in biochemistry, behavioral biology and ecology. The department is committed to faculty-student research collaboration. Teaching responsibilities will include: service courses (e.g., anatomy and physiology), an upper level course(s) in his or her specialty and graduate teaching in molecular biology. Applications will be accepted until the position is filled. Please send curriculum vitae, a statement of teaching and research interests, selected reprints and three letters of reference to: Dr. Jane Voos, Chair, Department of Biology, WILLIAM PATerson COLLEGE, 300 Pompton Road, Wayne, NJ 07470.

William Paterson College is an affirmative action/equal opportunity institution and actively seeks applications from women and minorities.
A SHORT LIST OF SESSION TOPICS FOR THE RESEARCHER:
- Positive and Negative Signaling through Receptors
- Immunology and Immunotherapy of Cancer
- Molecular Pathways of Autoimmunity
- Hematopoietic Stem Cells: Biology, Lymphopoiesis and Transplantation
- HIV Pathogenesis
- Mucosal Immunology and Tolerance
- Effector Cells in Allergic Inflammation

A SHORT LIST OF SESSION TOPICS FOR THE PRACTITIONER:
- Strategies for the Allergist in Managed Care
- Dermatologic Aspects of Allergic Disease
- Risks and Benefits of Asthma Therapies: Addressing the Bookends of the Patient Population
- Childhood Asthma: Causes and Concepts
- The Skin as an Immune Effector Organ in Clinical Disease
- Immunotherapy for the Future
- Role of the Clinical Immunology Laboratory in Monitoring and Evaluation of Disease
FACULTY POSITION

MOLECULAR BIOLOGY/BOTANY

The Department of Biology at Carthage College invites applications for a TENURE-TRACK, Assistant Professor position in molecular biology and botany. Carthage is a dynamic liberal arts college with a commitment to developing the potential of each student. The college is located between Chicago and Milwaukee, allowing the faculty to take advantage of the academic environments of both cities. The successful candidate will have a strong background in experiential biology, experience in applying molecular techniques to problems in botany, commitment to teaching at the undergraduate level, enthusiasm for developing research projects, and a desire to pursue external funding. The Department is well-equipped for state-of-the-art teaching and research. Applications, including a current curriculum vitae, transcripts, and three letters of reference, should be submitted to:

Dr. Charles C. Clement
Division of Natural Sciences
Carthage College, Kenosha, WI 53140

Review of applications will begin on December 15, 1996.

Carthage is an Equal Opportunity Employer and specifically invites and encourages applications from women and minorities.

LANDSCAPE ECOLOGIST

The Department of Biological Sciences in the Faculty of Science at the University of Alberta invites applications for a tenure-track position in landscape ecology. Large scale studies of terrestrial systems are a major focus of this Department and we seek applicants who will add strength at both the landscape scale to our existing group of researchers. However, excellent candidates in related areas are also encouraged to apply. The effective date of employment will be aennounced in 1997. The Department will consider candidates at the level of ASSISTANT PROFESSOR and candidates must have a Ph.D. and postdoctoral research experience. Candidates should forward a curriculum vitae, list of publications, a one page statement of research and teaching interests, and the names of three referees to:

Dr. Susan E. Jensen, Department of Biological Sciences, University of Alberta, Edmonton, Alberta T6G 2E9 Canada. Email: susan.jensen@ualberta.ca. Closing date: January 31, 1997.

The University of Alberta is committed to the principle of equity in employment. As an employer we welcome diversity in the workplace and encourage applications from all qualified women and men, including Aboriginal peoples, persons with disabilities, and members of visible minorities.

ORNITHOLOGIST

The Department of Biological Sciences, University of North Carolina at Wilmington, welcomes applications for an assistant professor position at the ASSISTANT PROFESSOR level. A Ph.D. with postdoctoral experience in teaching and research is required. Primary responsibility is teaching undergraduate and graduate courses in ornithology, vertebrate natural history, and coastal ecology. The successful candidate is also expected to develop and maintain an externally funded, field-oriented research program involving coastal or marine birds. Send curriculum vitae, statement of teaching interests, graduate transcripts, and names of three references by 15 February 1997 to: Ornithologist Search Chair, Department of Biological Sciences, University of North Carolina, Wilmington, NC 28403-0014. Equal opportunity Employer.

FACULTY POSITION

BIOLGICAL (PLANT ECOLOGY)

Keuka College invites applications for a tenure-track ASSISTANT PROFESSOR position to begin August 1997 in the Department of Biological Sciences. A Ph.D. in plant ecology is required; postdoctoral experience is desired. Salary is commensurate with rank and experience. Guidelines for application are available at: http://www.keuka.edu/keuka.scsa. Deadline is January 15, 1997. Send letter of application, curriculum vitae, and names of three references to: Dr. Gary Hickenell, Chair, Natural Sciences, c/o Personnel Office, Keuka College, Keuka Park, NY 14478. Minority candidates are encouraged to apply.

UCLA

TENURE-TRACK FACULTY POSITION

Molecular and Cellular Cardiovascular Physiology (Second Announcement)

The Department of Physiology at the UCLA School of Medicine invites applications for a tenure-track faculty position, preferably at the level of ASSISTANT PROFESSOR, for an individual with a Ph.D. and/or M.D. degree interested in applying modern approaches to understand physiology of the cardiovascular system. Candidates are expected to have had research training and basic research experience in the biomedical sciences. The successful candidate will be expected to develop an independent research program as part of the UCLA Cardiovascular Research Laboratory and to participate in the teaching mission of the Department. An excellent environment exists in the Laboratory, Department, and School to build an academic career. This includes laboratory space, set-up funds, core resources, and other active research programs in molecular, membrane, cell, and cardiovascular biology. Applicants should send a letter with a statement of research interests and goals, their curriculum vitae, and names of three references to: Chair, Cardiovascular Search Committee, UCLA School of Medicine, Department of Physiology, 10833 Le Conte Avenue, Los Angeles, CA 90095-1751. Email: dmoorehe@physiology.medsch.ucla.edu.

Send application materials by February 28, 1997 and continue until a suitable candidate has been identified.

FACULTY POSITIONS

STRUCTURAL BIOLOGY

The State University of New York at Stony Brook has allocated several TENURE-TRACK positions for a new initiative in Structural Biology. This program, with state-of-the-art instrumentation in X-ray crystallography, high-resolution NMR spectroscopy, and computational biology, will be housed in the Center for Molecular Medicine. A close working relationship is envisioned between Stony Brook faculity and the Brookhaven National Laboratory and Cold Spring Harbor Laboratory.

Initial faculty recruitment will take place in the area of X-ray crystallography. The successful candidate is expected to have or to establish externally funded research program and to participate in departmental teaching activities. A Ph.D. degree and postdoctoral research experience are required. Salary will be commensurate with qualifications and experience.

A curriculum vitae, list of publications, description of research interests, and names of four referees should be sent to:

Dr. Arthur Grossman, Search Committee Chair, Department of Chemistry, State University of New York at Stony Brook, Stony Brook, NY 11794-8651. FAX: 516 444-7641; Email: apg@pharm. som.sunysb.edu. Priority deadline is January 3, 1997. The search will remain open until filled.

The University at Stony Brook is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

The Department of Physiology, University of Florida College of Medicine, seeks an outstanding individual to become a tenure-track faculty member at the level of Assistant Professor. Initial support will be provided by the Howard Hughes Medical Institute Research Resources Program for Medical Schools. Applicants must have an M.D., Ph.D., or equivalent and postdoctoral experience, and should develop a high quality, independent research program with extramural support in the area of growth factors and growth-related processes. We are seeking individuals with expertise in molecular biology, gene expression, and protein biochemistry to work in this area.

The primary appointment will be in the Department of Physiology and it is expected that the successful candidate will also hold an appointment in the Department of Biological Sciences. A five-year renewable contract, with promotion potential, is anticipated. Successful candidates will be expected to develop a program of research in the area of growth factors and growth-related processes. Candidates will also be expected to develop an active program of education; curriculum vitae; statement of teaching and research interests; official transcripts from all institutions conferring graduate degrees; three representatives of teaching; and research; and three letters of reference.

A curriculum vitae and a statement of research plans and interests should be sent to:

Dr. Colin Sumner, Search Committee Chair, Department of Physiology, University of Florida, Gainesville, FL 32610-0274.

Applications are invited for an Assistant Professor position with the Department of Environmental Microbiology and Biotechnology in the School of Biological Sciences in the College of Biological Sciences at The University of Minnesota, Twin Cities Campus, a highly productive community engaged in a broad range of research and educational activities. The position will have an initial five-year renewable contract, with promotion potential, and will be expected to develop an active program of education; curriculum vita; statement of teaching and research interests; official transcripts from all institutions conferring graduate degrees; three representatives of teaching; and research; and three letters of reference. Applications are invited to:

Professor Ralph L. Bras
Head, Department of Civil and Environmental Engineering
MIT, Room 1-290
Cambridge, MA 02139

Applications are due by January 15, 1997.

MIT is an Equal Opportunity/Affirmative Action Employer.

Physical limnology/oceanography. The University of Minnesota has established the Large Lakes Observatory (LLO) in Duluth, Minnesota, as part of its nationwide, wide lake studies program. The mission of LLO is to study large lakes of the world. The LLO invites applications for a TENURE-TRACK FACULTY position at the Assistant Professor level in Aquatic Ecology and Limnology. The tenure-track positions, carrying nine-month salaried appointments, are being filled between 1995 and 2000. Three of these positions have been filled in the areas of isotope geometry, geophysics, and circulation dynamics. Two more are to be filled in physical limnology and the other position will be filled in aquatic chemistry.

We are particularly interested in candidates with previous research experience in remote sensing, combining biological/chemical and physical processes, or the use of remote sensing and optics or tracers to examine physical processes in oceans and lakes. Candidates should have a strong background in physics and hold a Ph.D. in oceanography, limnology, or a related field.

The appointment will be split between the LLO and the Physics Department on the Duluth Campus, where the tenure line will reside. A commitment to teaching at the graduate and undergraduate levels is required. The teaching load will be commensurate with the departmental needs of the appointment.

Send a statement of research and teaching interests, curriculum vitae, and names, addresses, and telephone numbers of at least three references by January 15, 1997 to:

Dr. Bob McCourt, Director, Large Lakes Observatory, University of Minnesota, Duluth, MN 55812.

Prospective candidates with questions about the position may view our web site at http://www.d.umn.edu/ko or contact Tom Johnson, Email: tjc@d.umn.edu.

The University of Minnesota is an Equal Opportunity Employer and Employer.

WILDLIFE PHYSIOLOGIST

The Department of Biology at Montana State University-Bozeman invites applications for a teaching/research, position, tenure-track, ASSISTANT PROFESSOR, starting August 15, 1997. Salary is commensurate with experience and qualifications; five-month appointment expected. Assistant Professor candidates must hold a Ph.D. in biological sciences with training or experience as a systems physiologist and experience collecting field data. Primary responsibilities include teaching undergraduate courses in physiology, wildlife physiology, ecology, and nutrition, and developing a nationally competitive research program in wildlife physiology. Applicants must have an active research program and a strong interest in the development of applications; curriculum vitae; statement of teaching and research interests; official transcripts from all institutions conferring graduate degrees; three representative letters of recommendation; and three letters of reference. Applications are invited to:

Dr. Bill Stott, Search Committee Chair, Wildlife Physiology, Montana State University, Bozeman, MT 59717.

Tenure-Track Positions
Assistant Professor Equivalent

Developmental Biologist
An independent position is available in the Laboratory of Reproductive and Developmental Toxicology for a creative and productive investigator to develop a research program in cellular and molecular mechanisms of mammalian development. Applicants should have an interest in using rodent models to study cell interactions, imprinting or other basic biomedical problems relating to the impact of the environment on development. Submit applications by January 3, 1997 to Ms. Lisa Rogers (HNV96-23) (OE-122), NIEHS, Mail Drop 1-01, P.O. Box 12233, Research Triangle Park, NC 27709.

Protein X-Ray Crystallographer
A position with intramural funding is available to conduct an original research program and to interact with other scientists within the NIH intramural program. PhD and MD applicants should have a record of achievement in solving protein structures by X-ray crystallography. Salary and appointment commensurate with credentials and research experience. Qualified and interested candidates should send curriculum vitae including three letters of reference by December 31, 1996 to Chair, X-ray Crystallography Search Committee (OE-122), NIAID, Building 10, Room 4A31, 10 CENTER DR MSC 1356, BETHESDA MD 20892-1356.

Signal Transduction in Endocrine Cells
The Endocrinology and Reproduction Research Branch seeks an MD or PhD investigator to establish an independent research program in the area of molecular endocrinology. Applicants should have a strong background in endocrine research and expertise in the investigation of signal transduction mechanisms, including receptor activation, polyphosphoinositide metabolism, and calcium signaling. Current research areas include the renin-angiotensin system, regulation of pituitary function, molecular characterization of GPCRs, and identification of new components of the phospholipid-calcium system. Applications must be submitted within six weeks to Dr. Michael Beaven, ERRB Search Committee (OE-122), Building 49, Room 6A36, 49 CONVENT DR MSC 4510, BETHESDA MD 20892-4510.

To Apply
Please send a cover letter, curriculum vitae, bibliography, a one- to two-page statement of research interests and goals, and selected publications to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three references who can provide an evaluation of your professional qualifications.

New WWW Site
Visit the new NIH Office of Education web site listing tenure-track positions, postdoctoral positions, and much more. Converse by e-mail with NIH investigators and apply electronically. Find us at http://helix.nih.gov:8001/oe

National Institutes Of Health
Office Of Education
http://helix.nih.gov:8001/oe
The NIH is an Equal Opportunity Employer

UNIVERSITY OF CALIFORNIA, SANTA CRUZ
Ph.D. PROGRAM IN MOLECULAR, CELLULAR AND DEVELOPMENTAL BIOLOGY
The Ph.D. program in MCD Biology at UC Santa Cruz provides rigorous training opportunities in basic biological research. The hallmarks of our program are an outstanding, young and highly interactive faculty. Research in the MCD Biology program is organized in clusters of faculty with related interests, including:
- Molecular Biology of RNA
- Cell Biology
- Developmental Genetics
- Structural Biology
- Plant Molecular Biology

Financial support covering stipends, tuition and health costs is available from a variety of fellowships. We believe diversity in our student body is important, and encourage applications from students of diverse backgrounds, including women and members of under-represented minority groups. For further information, contact:
Susan Thuringer (408) 459-4715
susan@biology.ucsc.edu
Visit the UCSC Biology Web site at:
http://www-biology.ucsc.edu/
For application forms, contact:
Graduate Admissions, 399 Applied Sciences Bldg,
UCSC, Santa Cruz CA 95060
gradadm@cats.ucsc.edu
http://graddiv-19.ucsc.edu/GradStudies/index.html

R&D Scientist
Molecular Genetics
Promega Corporation, an established world leader in biotechnology, consistently recognized as one of the country's most progressive employers, has an immediate opening for an experienced Research Scientist in Molecular Genetics. This person will perform research and development of products related to analysis of nucleic acids.

Qualified candidates will have a B.S. or M.S. in molecular biology or related area and a minimum of 5 years laboratory experience with molecular biology of nucleic acids. Preference will be given to candidates with experience with DNA sequencing, cloning, DNA probes, nucleic acid purification and amplification methods; experience handling clinical or forensic materials is beneficial, but not required.

Promega, recently cited as one of "The Best Companies To Work For In Dane County" by "In Business" magazine and designated "Top 100 Companies for Working Mothers" by "Working Mother" magazine, strives to provide a rewarding work experience for our employees and to provide unparalleled excellence, quality and productivity in our business. We seek to preserve a balance between work and life activities, reflected in our on-site fitness and daycare facilities and comprehensive benefit package. To apply, please send a resume with salary requirements to: Promega Corporation, Human Resources (11100JS), P.O. Box 7879, Madison, WI 53707-7879. EOE

Promega
To hear about current employment opportunities, please call our Career Opportunities Line at 800-356-9526 or visit our home page at www.promega.com.
HEAD, BIO-MATERIALS SPECIALIST
Required Immediately

There is an immediate opening for a bio-materials specialist with extensive experience in the field. Extensive experience in development, testing, and utilization of bio-materials. Knowledge of a wide range of bio-materials currently in use in the laboratory and in devices; Research analysis and interpretation of data from material testing techniques; materials surface analysis, and material biological response; design and develop new reliability and biocompatibility tests and associated procedures for materials used in implantable, tissue, and blood contracting devices; ability to formulate and develop bio-materials suited for use in implantable medical devices. Information Processing: Synthesizes, analyzes information, and conducts computer searches and reference searches using various technical means; computer modeling of mechanical properties of biomaterials and biological systems; mechanical influences on tissues in vitro and in vivo using cultures using various proven techniques; mechanical testing.

We are looking for a HEAD of a section to continue development of an implantable medical device that is moving into a critical development phase. It is a hands-on position for a results-oriented person. There is an attractive compensation package to match capabilities and experience. Position is in Ottawa, Ontario, Canada. Please contact:

The Search Committee
962 Chaleur Way
Orleans, Ontario K1C 2S1 Canada
Telephone: 613-637-9761
FAX: 613-824-0724

RESEARCH ASSOCIATE/RESEARCH ASSISTANT PROFESSOR

The Living State Physics Group in the Department of Physics and Astronomy at Vanderbilt University invites applications for a RESEARCH ASSOCIATE or RESEARCH ASSISTANT PROFESSOR. Responsibilities include: conducting theoretical and experimental studies of cardiac and smooth muscle electrophysiology. The candidate should have experience in both high resolution multisite optical mapping of transmembrane potentials in isolated and cultured heart preparations and advanced analysis of real-time and slow events in cardiac tissue. Interested individuals should submit a current vitae and names of three references to: Dr. John P. Wikswo, Department of Physics and Astronomy, Vanderbilt University, Box 1807, Station B, Nashville, TN 37235 U.S.A. Email: wikswojp@ctrvax.vanderbilt.edu. Review of applications will begin on December 15, 1996 and will continue until the position is filled.

Equal Employment Opportunity

RESEARCH SPECIALISTS

FOREST TREE GENETIC TRANSFORMATION
Westvaco Corporation, Forest Science Laboratory
Summerville, South Carolina, U.S.A.

The Genetics and Biotechnology Section of Westvaco Forest Research has two openings for RESEARCH SPECIALISTS in its forest tree genetic transformation program. These positions are available immediately and will involve laboratory research on genetic transformation of southern pine species. Responsibilities include assisting in all phases of research, keeping detailed records, and maintaining equipment and lab supplies. Applicants should possess a B.S. or M.S. degree. A strong background in molecular techniques is required. U.S. citizenship or permanent residency is required. Please send resume, college transcripts, and three letters of recommendation by December 20, 1996 to: Cindy L. McCord, Forest Science Laboratory, Westvaco Corporation, P.O. Box 1950, Summerville, SC 29484. Westvaco is an Equal Opportunity Employer; Minority/Females.

RESEARCH POSITIONS

RESEARCH positions available in the areas of molecular biology and genetics. Ph.D. required. Applicants should have experience in current virology, reference laboratories, and in the interpretation of research involving transgenic plant research. Please send resume to Lynn Egloff, Department of Molecular Biology, Princeton University, Lewis Thomas Laboratory, Princeton, NJ 08544. Princeton University is an Equal Opportunity/Affirmative Action Employer.

BioGenex

BioGenex, a leader in the development, manufacturing, and worldwide distribution of cellular and molecular diagnostic products, has the following openings:

MANAGER, Molecular Probe Diagnostics
The candidate should have a doctoral degree (Ph.D., M.D., or equivalents) and several years of postdoctoral experience in molecular biology, microbiology, or biochemistry. Responsibilities include: developing new business strategies, managing a high performance team, and motivating members to achieve project goals. Opportunities to work with leading experts in the field and to contribute to the growth and success of the company.

RESEARCH SCIENTIST

MK Industries (MKi) is a multidisciplinary research, development, and applied company located in Tucker, Georgia, an Atlanta suburb. MKi’s mission is to create, develop, and commercialize a variety of innovative technologies, including biomedical materials and devices. Xcelx dominates the market in this sector, and both subsidiaries of MKi are currently looking for applicants to fill several positions. Xcelx concentrates on the separation of various biomolecules, e.g., cells, bacteria, proteins, viruses, etc. using laser-based (LIF) and electrical (EIT) technologies. The unique system to target and control the release of therapeutic reagents essential to both human and veterinary medicine. Applicants must have a Ph.D. in one of the following fields: immunology, molecular biology, biochemistry, or microbiology. Postdoctoral experience is not a requirement. For prompt, confidential consideration, we invite you to forward your curriculum vitae to either Dr. Cameron Foster, President for Xcelx: cameronfoster@xcelx.com; or Dr. Mark E. Rothenberg for MKI, President for TFL: Mark.E.Rothenberg@mk-inc.com, at MK Industries, 2137 E Flintstone Drive, Tucker, GA 30084. MKI is an Equal Opportunity/Affirmative Action Employer.

RESEARCH SPECIALIST

X-RAY CRYSTALLOGRAPHY

The Howard Hughes Medical Institute (HHMI), the nation’s largest private philanthropic organization, conducts scientific research in leading academic medical centers throughout the United States. Currently, we have an opening for a RESEARCH SPECIALIST to work with Dr. J. Michael Blatt, a dynamic group studying protein structure-function, protein folding, protein design, and viral membrane fusion at our site at MIT/Whitehead Institute.

Responsibilities include designing and solving high-resolution protein structures by X-ray crystallographic methods, including operation of an X-ray crystallography equipment and data analysis with crystallographic software. Duties also include the maintenance of personnel. Requirements include M.S. and four years of relevant experience or Ph.D. and two years of relevant experience, prior experience with macromolecular X-ray crystallographic methods, computer programming skills, and excellent interpersonal skills.

HHMI offers a competitive salary and excellent benefits package. Please forward your resume and the names of three references to: J. O’Connor, Job 5258, HHMI/ MIT, 77 Massachusetts Avenue, 68-171, Cambridge, MA 02139. Equal Opportunity Employer.

IMMUNOLOGIST/PHYSIOLOGIST

The Department of Biological Sciences at California State University, Chico, invites applications for a tenure-track assistant professorship beginning in the 1997-98 academic year. Candidates must have a Ph.D. specialization in immunology/physiology, experience with both traditional and molecular immunological techniques, or a demonstrated knowledge of the discipline. Experience in developing a research program, teaching experience at the undergraduate level, and a strong interest in teaching excellence. Responsibilities include teaching courses in immunology and human physiology, developing a graduate course in area of specialization, establishing a research program with potential for external funding that will involve undergraduate and graduate students, and participation in the departmental program as needed. Normal faculty duties include undergraduate advising and teaching two to three classes per semester. Applicants should submit a letter of application, curriculum vitae, a statement of teaching philosophy, a statement of research interests, curriculum vita and manuscripts, two letters of recommendation, a teaching dossier, and any other materials that will make any basis other than objective qualifications and demonstrated merit.

LECTURER IN BIOLOGY

A non-tenure-track position (annually renewable) is available in the Department of Biological Sciences at UCSB. Responsibilities include teaching sections of Principles of Biology I and II, coordinating all laboratory sections of these courses, and assisting with the training of graduate assistants. A Ph.D. is preferred, and some university-level teaching experience is expected. Experience with laboratory computer integration would be an asset.

NEUROPHYSIOLOGIST

A TENURE-TRACK position is available at the Assistant Professor level for a neurophysiologist, contingent upon funding. Teaching responsibilities will include an introductory neuroscience course, contribution to the lower-division curriculum, and supervision of upper-division electives and laboratory courses in the candidate’s area of specialty. A Ph.D. is required and an active research program is expected. By February 4, 1997, submit curriculum vitae, up to three references, teaching statement, and a research statement with plans, and the names of three references to: Dr. Paul Hamilton, Department of Biology, University of Central Arkansas, Conway, AR 72035. An Equal Opportunity/Affirmative Action Employer.
**Director of Research**

Aeiveos Sciences Group is a start-up venture in Seattle, Washington, focusing on the genomics of aging. We are seeking a talented, entrepreneurial, and aggressive molecular biologist who is searching for an opportunity to further a career in senior scientific management and organizational leadership.

This opportunity requires prior experience managing a research team focused on gene discovery and gene expression.

Requirements for this position are:

- Experience designing, establishing, and staffing a state-of-the-art research laboratory.
- Experience designing, planning, and monitoring multi-year research programs.
- Experience managing research budgets tied to performance milestones.
- Experience establishing and collaborating with a Scientific Advisory Board.
- Ability to participate in a multidisciplinary senior management team.
- Demonstrable ability to identify, evaluate, and integrate new technologies in the areas of gene discovery, gene expression, functional analysis, and bioinformatics.
- Excellent publication record.
- Excellent interpersonal skills.
- Excellent entrepreneurial desire.

We offer a very competitive compensation package, equity participation, and an opportunity to shape your own destiny. Please send or fax your resume in confidence to: (206) 547-3380, ATTN: DOR. Aeiveos Sciences Group, P.O. Box 31083, Seattle, WA 98103-1083. EOE.

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**Research Investigator**

An opportunity is currently available for a research investigator to join a multi-disciplinary team focused on the discovery of novel oncology therapeutics. The successful candidate will provide expertise and experimental support including the conceiving, designing and conducting of experiments.

We seek an individual with a Doctoral degree in a relevant area along with experience in tumor biology of angiogenesis or vascular biology and 0-5 years post-doctoral training. Skill with animal models of solid tumor growth is expected, as is experience in cell-based models of tumor and endothelial cell function. You must be an innovative, adaptable person with strong communication skills.

When you consider our record financial performance and commitment to innovation, you'll see that the global Monsanto Company is positioned for even more success. We can offer a competitive compensation package and exceptional career opportunity. For consideration, please send a resume to: The Monsanto Company, LMII, Job Code--RIWW, 800 N. Lindbergh Blvd., Mall Zone C2NB, St. Louis, MO 63167. EEO/AA Employer M/F/D/V.

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**Environmental Scientist**

The Department of Geological and Marine Sciences is seeking an Assistant Professor in programs offering the BS degree in both Marine Sciences and Geosciences. The position is tenure-track in a growing department and requires a Ph.D. in addition to Ground Water Hydrology, teaching may include Environmental Geology, other environmentally oriented courses, team-taught field marine science courses, and supervision of student research in the area of specialty of the applicant. Excellence and versatility in teaching, use of sophisticated instrumentation, and computer skills are required. Information about the department is available at www.rider.edu. Rider University is an affirmative action/equal opportunity employer, and does not discriminate on the basis of age, race, sex, disability, sexual orientation, national origin, religion, or any other non-job related criteria. Applications and names/addresses of three references must be received by February 17, 1997 and sent to: Dr. Richard R. Alexander, Chair, Department of Geological and Marine Sciences, Rider University, 2083 Lawrenceville Road, Lawrenceville, NJ 08648-3099.

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**Postdoctoral Research Associate**

Position is available immediately for a project on DNA-repair gene transfer as a means to protect bone marrow against anticancer alkylating agent toxicity (see Blood 88:2298-2305, 1996). Qualified candidates must have a recent Ph.D in biochemistry, molecular biology or related field and a strong background in molecular genetics. Experience with use of viral vector systems is highly desirable.

Send c.v. and names (e-mail address, fax and phone numbers) of three references to: Dr. Thomas P. Brent, Department of Molecular Pharmacology, St. Jude Children's Research Hospital, 332 N. Lauderdale, Memphis, TN 38105. e-mail: brent@stjude.org Fax: 901-521-1668. An equal opportunity/affirmative action employer.
POSTDOCTORAL POSITION
MOLECULAR BIOLOGY

Study of reverse transcription by retroviruses with a focus on the roles of RNRase H and the mechanism of strand displacement synthesis. Emphasis will be on understanding enzyme design in relation to substrate and accessibility of products. Applications to local standard cloning techniques, PCR, mutagenesis, protein expression and purification, macromolecular crosslinking, enzyme kinetics, and gel analyses. Position available immediately; applications will be considered until the position is filled. Please send curriculum vitae, a brief statement of prior research experience, and three references to: Dr. James J. Champoux, Department of Microbiology, Box 157242, University of Washington, Seattle, WA 98195.

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

TRANSPORT AND FATE MODELERS

Sciences International, Inc. is seeking transport and fate modelers with at least four years of experience in risk assessment. Applicants must have strong quantitative, statistical, programming, and communication skills. We are looking for:

1) JUNIOR-LEVEL: Individual with extensive experience in applying EPA-approved models and developing or refining models for site-specific applications, to address the relationship between exposure and risk in coordination with the project team.

2) JUNIOR-LEVEL: Fate and transporter modeler with at least two years of experience in the application of exposure and fate transport models. Emphasis is on emission and air dispersion models applicable to industrial sources preferred.


POSTDOCTORAL AND RESEARCH ASSOCIATE POSITIONS

Fluorescence Analysis of Transcription Complexes

Available immediately for application of fluorescence methods (FP, FRET, NSOM, FRET) in analysis of protein-protein and protein-nucleic acid interactions in transcription complexes. Requires experience in at least two of the following areas: 1) IF, FP, FRET, NSOM, stopped-flow; 2) characterization and quantitation of purines and pyrimidines, preparation and modification of nucleic acids. Salary: $22,000 or above (postdoctoral fellow), or $32,648 or above (research associate) plus benefit package. Send curriculum vitae and names of three references to: Debbie S. Ehrlicht, Waksman Institute, Rutgers University, New Brunswick, NJ 08855. FAX: 908-445-5785.

POSTDOCTORAL ASSOCIATE: Position available to study the cell biology of HIV infection in T-cell lines, peripheral blood T-cells, and lymph node tissue and to work on related projects including the role of synctium formation, chemokine receptors, and chemokines in the pathogenesis of AIDS. Requires a Ph.D. in cell biology or a related field. Extensive experience in one or more of the following areas: highly desirable: immunology, tissue culture, molecular biology, virology, electron microscopy. Send curriculum vitae and names of three references to: Dr. David R. Soll, Department of Biological Sciences, 138 Biology Building, University of Iowa, Iowa City, IA 52242-1324. The University of Iowa is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

A POSTDOCTORAL POSITION is available for an animal pharmacologist starting January 1, 1997 to study carbohydrate mediated targeting in animals (M. Chiu et al., J. Biol. Chem., 272:1995). This position would have demonstrated technical skill in working with mice and rats and familiarity with pharmacokinetic and biodistribution experiments. A starting salary of $25,000 per year or more. Benefits include medical and is renewable for up to three years. To apply, please send your curriculum vitae and the names of three references to: Dr. Kevin Rice, College of Pharmacy, University of Michigan, 428 Church Street, Ann Arbor, MI 48109-1065. The University of Michigan is a non-discriminatory Affirmative Action Employer.

UNIVERSITY OF CALIFORNIA
SAN FRANCISCO
POSTDOCTORAL POSITION

Available for recent Ph.D. to study mechanisms of chromosome healing by addition of telomeres to the ends of broken mammalian chromosomes. Candidates should have strong biology and expertise in techniques in molecular biology required. Applicants must be U.S. citizens or permanent residents. Send curriculum vitae and names of three references to: Dr. John Durkin, Radiation Oncology Research Laboratory, University of California, San Francisco, 1855 Folsom Street, MCB 200, San Francisco, CA 94103.

POSTDOCTORAL FELLOWSHIP available immediately to investigate the effects of alcohol on hepatocyte function and the liver cytoskeleton with chemically defined reagents. Applicants should have an M.D. or Ph.D. degree, and be citizens or permanent residents of the U.S. Please send your curriculum vitae and the names and telephone numbers of three references to: Dr. Estaban Mezey, Professor of Medicine, 921 Ross Research Building, The Johns Hopkins University School of Medicine, 720 Rutland Avenue, Baltimore, MD 21205.

POSTDOCTORAL POSITIONS

Available (Ph.D. or M.D.) for research training in experimental hematology and vascular biology in an NIH-sponsored training program at the Cardeza Foundation for Hematologic Research, Thomas Jefferson University. Areas of interest include: molecular and cellular aspects of blood cell development, differentiation, and function; and normal and abnormal growth and smooth muscle cells, vascular biology of the platelet and endothelial GpIb complexes, megakaryopoiesis and gene expression during megakaryocytic development, oxygen dependent gene expression, the role of lipid-binding proteins in thrombosis, and immunology of bone marrow transplantation. Please send curriculum vitae to: Cardeza Foundation for Hematologic Research, 1005 Walnut Street, Philadelphia, PA 19107-5999. U.S. citizenship or permanent residency required. Equal Opportunity Employer.

POSTDOCTORAL RESEARCH position available immediately to study the use of peptides as ligands for the large-scale affinity purification of proteins from human serum, and for the development of sensor-based assays. This is a joint industry/university research project aimed at identifying suitable peptide sequences from chemically synthesized combinatorial peptide libraries, and to optimize operating conditions for purification and detection of proteins of interest. Experience in protein purification or biochemistry with prior experience in protein purification and characterization, affinity chromatography, and peptide synthesis is desirable. Salary $38,000 per year; position available immediately. Send curriculum vitae and three letters of recommendation to: Prof. Ruben G. Carbonell, Department of Chemical Engineering, North Carolina State University, Box 7905, Raleigh, NC 27695-7905. N.C. State University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

Two POSTDOCTORAL positions are available in an NIH-funded project, one immediately and one in the next several months, to determine the mechanism by which vitamin K-dependent proteins are post-translationally modified by the gamma-carboxylase using combined biochemical and molecular approaches. Studies will include structure-function analysis of the carboxylase and vitamin K-dependent proteins and defining the role of these proteins in hemostasis and other biological systems. Experience in protein purification and/or biochemistry is preferred. Send curriculum vitae and the names of three references to: Dr. Kathleen L. Berken, Department of Cell Biology, NC 10, Cleveland Clinic Foundation, Researcher in 5010 Euclid Avenue, Cleveland, OH 44195. FAX: 216-444-9404; Email: berkenke@ccf.org.

POSTDOCTORAL RESEARCH ASSOCIATE

Position available immediately for candidate with experience in genetic linkage analysis and positional cloning, to study a novel human tumor suppressor gene locus. Ph.D. should be in molecular biology, genetics, or a related field. The candidate will have experience in genetic research, excellent communication skills, and the ability to work well with a variety of people. Mail curriculum vitae (no telephone calls accepted) to: Carolyn Cole, University of Washington Comprehensive Cancer Center, K4/666, 600 Highland Avenue, Madison, WI 53792-0001.

POSTDOCTORAL POSITION
HEMOSTASIS AND THROMBOSIS

POSTDOCTORAL POSITION available immediately to study the protein chemistry/enzymology of coagulation factors and related molecules. Candidate should have experience in chemistry or biochemistry and relevant research experience. Send curriculum vitae, a description of research experience and interests, and three letters of reference to: Dr. Paul E. Moore, Department of Medicine, Harvard Medical School, College of Medicine, University of Virginia, Burlington, VT 05405.

POSTDOCTORAL POSITION

For Ph.D./M.D. to study neural gene expression and regulatory mechanisms from gene transcription through functional protein. Requires experience in molecular biology, biochemistry, neurosciences, and in vivo and in vitro methodologies. Salary commensurate with experience. Send curriculum vitae and three letters of reference to: Dena Lee Wong, Ph.D., Nancy Pritzker Laboratory, Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, MSLS Building, P-106, Stanford, CA 94305-5485.
Department of Physiology and Biophysics
The University of Iowa
Iowa City, Iowa

Postdoctoral Opportunities

The Department provides training for selected individuals who have demonstrated promise for research at the postdoctoral level. Openings are advertised individually as they become available. The emphasis of research in the Department is in molecular and cellular physiology, neurobiology, and genetics. Training faculty of the department and their research interests are:

- **Francois M. Abboud**—Mechanisms of activation of baroreceptors and regulation of sympathetic nerve activity.
- **Brett A. Adams**—Physiological roles and structure-function relationships of voltage-gated ion channels.
- **Nikolai O. Artemyev**—Molecular mechanisms of sensory signal transduction; photoreceptors and visual transduction.
- **Kevin P. Campbell**—Molecular studies of voltage-gated calcium channels and the dystroglycan complex in skeletal muscle.
- **Carl Gisolfi**—Molecular mechanisms of thermotolerance, and the effects of age on catecholamine and amino acid brain neurotransmitters.
- **Toshinori Hoshi**—Biophysical and molecular mechanisms of ion channel protein function.
- **Wayne A. Johnson**—Developmental neurobiology; regulation of neuron-specific transcription.
- **Gary Koretsky**—Signal transduction; regulation of T-cell antigen receptor-mediated production of second messengers.
- **W. Scott Moye-Rowley**—Transcriptional control of oxidative stress tolerance; eukaryotic multidrug resistance.
- **Jeffrey E. Pessin**—Regulation of the glucose transport system and intracellular targets of insulin action nutritional states.
- **Andrew F. Russo**—Transcriptional control of phenotypic specification in the neural crest.
- **Thomas J. Schmidt**—Subunit structure of glucocorticoid receptors; pharmacology of glucocorticoid antagonists; regulation of receptor gene expression.
- **Deborah L. Segaloff**—Mechanism of action and regulation of the LH/CG and FSH receptors in the ovary.
- **Erwin F. Shibata**—Molecular and cellular cardiac electrophysiology; receptor mediated signal transduction; coronary artery smooth muscle ion channels.
- **Curt D. Sigmund**—Transgenic and knockout models of human cardiovascular disease; regulation of gene expression in transgenic mice.
- **Michael J. Welsh**—Biology of Cl− and Na+ channels and their dysfunction in diseases such as cystic fibrosis and hypertension; gene transfer to the lung.

For further information contact:
**Dr. Robert E. Fellows**, Professor and Head
Department of Physiology and Biophysics
5-660 Bowen Science Building, Iowa City, Iowa 52242
http://www.physlog.uiowa.edu

The University of Iowa is an Equal Opportunity Affirmative Action Employer.
LOGAN RESEARCH FELLOWSHIPS

Applications are invited, from suitably qualified women and men, for five Logan Research Fellowships for 1997. Monash University is among the top research institutions in Australia with one of the highest records of published research in recent years compared with other universities in the country.

To build on its research reputation and to mark the retirement in December 1996 of vice-chancellor, Professor Mal Logan, Monash University last year established the Logan Fellowship scheme to attract the best postdoctoral researchers in the world in any field. The terms and conditions of appointment compare very favourably with other schemes at this level. Depending on experience, the initial appointment salary is based on a research fellow Level B (A$46,269 - $51,113 pa) with the opportunity to advance to a level C (commencing salary is A$52,726). Applicants should have at least two and not more than six years of postdoctoral research experience. The initial appointment is for three years, extendable to six years. Commencement date is 1 July 1997. Research support grants are equally attractive and range from A$5,000 to $20,000 pa depending on the needs of the research program. Applications must be lodged by Friday, 28 February 1997.


Inquiries: (email) christina.perrett@adm.monash.edu.au
(fax) 61 3 9905 3831; (telephone) + 61 3 9905 9016.

UNIVERSITY OF ST. ANDREWS
Research Fellowship
Structural and Molecular Biology
A three-year Wellcome Trust funded position is available immediately. The fellow will work with Dr. Jim Naismith and Professor Ron Hay on proteins essential in adenoviral replication. Postgraduate experience in molecular biology is required; manipulation of baculovirus/insect cell expression systems would be a considerable advantage. Experience in protein crystallography is NOT required, but would be helpful.

Salary will be at the appropriate point on the RAIA scale, i.e. £14,317-£21,519 per annum.

Inquiries to Jim Naismith (naismith@st-and.ac.uk. tel: (44) 1334-403792).

Application forms and further details from Personnel Services, University of St. Andrews, College Gate, North Street, St. Andrews, Fife KY1 6AJ (tel: (44) 1334-462572; fax: (44) 1334-462570; email: jobline@st-andrews.ac.uk).

Applications cannot be made by email. Please quote reference ML129/ACHO. Closing date: Friday 20 December 1996.

The University operates Equal Opportunities and No Smoking Policies.
The ZMBH (Zentrum Für Molekulare Biologie Heidelberg) at the University of Heidelberg (FRG) invites applications from young scientists for a five-year GROUP LEADER POSITION.

The successful candidate will have the opportunity to establish an independent research group. It is expected that his/her research program will contribute to the ZMBH’s research activities which focus on molecular aspects of gene regulation and development, cell biology, neurobiology, and mechanisms of pathogenicity. The holder of the position is expected to participate in the department’s teaching program.

The ZMBH presently houses 15 independent research groups and offers excellent central facilities which include DNA- and peptide synthesis, protein micro-sequencing, transgenic facility, biocomputing, and centralised administrative services.

Further details may be obtained from Prof. Dr. Stefan Jentsch, telephone 49-6221-548716, telefax 49-6221-545891. Applications should be sent to the Director of the ZMBH, Im Neuenheimer Feld 282, D-69120 Heidelberg by December 30, 1996.

The MIT-WHOI Joint Program in Oceanography and Applied Ocean Sciences and Engineering

The MIT-WHOI Joint Program in Oceanography and Applied Ocean Sciences and Engineering offers the following opportunity:

POST-DOCTORAL RESEARCH ASSOCIATE

Crop Protection - Disease Resistance (Job #CP-702)

The successful candidate will join a team to identify and characterize the proteins responsible for remodeling chromatin in response to pathogen attack. Engineering the genes that encode these proteins to provide disease resistance is a long-term goal. We are employing a reverse genetics approach that exploits our maize EST database. The candidate will identify and characterize ESTs that are likely to play a role and then evaluate mutants in the corresponding genes. The candidate will be expected to integrate the data from all relevant systems, propose innovative experiments, and conduct research with the highest rigor. Proper record keeping, scientific interpretation of results, clear and timely reports, preparation of publication-quality manuscripts and patent applications, and productive interaction with colleagues is required. Ph.D. in molecular biology or a related discipline is required. The candidate must be skilled at conducting and interpreting DNA and protein sequence homology searches; PCR primer and reaction design and radioactive-based Southern blotting for complex genomes; immunology experience is desirable.

RESEARCH ASSOCIATE

Crop Protection Disease - Resistance (Job #CP-704)

The successful candidate will join a team investigating the biology of maize endomolds and mapping and cloning disease resistance genes. The candidate will contribute to the design, execution and reporting of experiments. The candidate will also manage routine lab operations and train and supervise part-time help. M.S. in plant sciences or B.S. with equivalent experience. Requirements include: research experience in plant pathology and genetics, efficient use of computers, solid mathematical skills, experience in critical analysis of data and preparation of manuscripts for publication, proven organizational skills, capacity to drive experiments to successful completion, excellent interpersonal skills. Working knowledge of statistics and molecular biology techniques will be an asset.

Pioneer Hi-Bred International, Inc. offers an opportunity to interact among hundreds of scientists with diverse backgrounds. We offer competitive salaries and excellent, comprehensive benefits. Des Moines is a prospering heartland city that ranks well above the national averages in affordability and education. For confidential consideration send 3 copies of your current resume and cover letter indicating job number by December 16, 1996 to: Pioneer Hi-Bred International, Inc., Attn: PERSONNEL, 92037, Attn: Professional Staffing, N. Torrey Pines Rd., La Jolla, CA 92037, Attn: Professional Staffing Req. 21098-96R. AA/EOE.

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An Equal Opportunity Employer.

University of California
San Diego School of Medicine
Tenure Track or Tenured Position in Immunology

The deadline for an available faculty position in immunology has been extended to February 1, 1997. Areas of interest should include: signal transduction in immunological functions, protein trafficking related to receptor assembly and antigen presentation, structure related to function in immunospecific molecules, the role of cytokines, cell adhesion molecules and inflammatory reactions in immune responses, mechanisms of host-pathogen interactions, development of immune systems, functional organization of immunity-relevant organs and mechanisms, and genetics of autoimmune responses. Academic rank and salary will be based on qualifications and experience based on UC scale.

Applicants should have M.D. or Ph.D. degrees with relevant postdoctoral experience and demonstrated ability to conduct an independent research program using modern techniques. They should also have skills and interest in teaching. Submit curriculum vitae, bibliography, statement of professional goals and research interests, and names and addresses of 5 references to:

Immunology Search Committee
o/c Gordon N. Gill, M.D.
University of California, San Diego
9500 Gilman Drive
#119, CMM-W Bldg.
La Jolla, CA 92039-0650

FQ/AA

The MIT-WHOI Joint Program in Oceanography and Applied Ocean Sciences and Engineering

NSF GRADUATE RESEARCH TRAINEESHIPS IN COASTAL OCEAN PROCESSES

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; Benthos processes and benthos-water column interactions; Rivers and the coastal ocean; Plankton dynamics.

For more information and application forms, please contact: Education Office, MS 31 Woods Hole Oceanographic Institution Woods Hole, MA 02543-1541 Phone: (508) 289-2219 Email: education@whoi.edu.

MIT and WHOI are Equal Opportunity/Affirmative Action Employers. MIT and WHOI are non-smoking environments.
Does this describe you?

If it does, then plan to attend the AAAS bioSCIENCE Career Fair on February 18, 1997 from 11am-5pm in Seattle, WA at the Washington State Convention Center. This fair, sponsored by the American Association for the Advancement of Science and SCIENCE, offers the perfect opportunity for scientific professionals to meet in person with representatives from top organizations.

In addition to the career fair (which is free to all) there will be on-site career development workshops conducted by top science recruiters and human resource professionals (workshops are $10 AAAS member/$25 non-member).

Workshops include:

- Alternative Career Paths: AAAS Fellowship Programs in Science Policy and Mass Medicine: 8:30am - 11:30am
- Requirements for a Successful Career in Science & Technology: 2:30pm - 5:30pm
- New Directions: Transitions to Alternative Careers: 2:30pm - 5:30pm

To pre-register, please submit your resume or CV via fax: (202) 289-6742, or via e-mail: bioscience@aaas.org. Please remember to bring multiple copies of your CV or resume with you to the Career Fair, a copy will be necessary to register. Admission to the event is free.

AAAS bioSCIENCE CAREER FAIR

For more information, please call (202) 326-7018.

bioSCIENCE Career Fair Information On-Line: http://www.sciencemag.org
(Choose SCIENCE Classified Advertising from the menu)
The College of Oceanic and Atmospheric Sciences (COAS) announces the availability of two tenure-track positions at the Assistant or Associate Professor level. Applicants within the following fields of expertise will be considered:

**Benthic Ecology**, with emphasis on subtidal or deep habitats, and interactions of Benthic communities with oceanographic processes.

**Isotope Biogeochemistry**, with emphasis on application of isotopes in water and sediments as tracers of oceanographic and biogeochemical processes.

**Physical Oceanography**, with emphasis on theory and observation of large- and regional-scale ocean circulation processes and ocean-atmosphere interaction.

The appointee(s) will be expected to develop and maintain a vigorous, externally funded research program in his/her specialty, to interact with faculty colleagues and graduate students, and to participate in the teaching program of COAS. Essential qualifications include a Ph.D. in a relevant science, a record of significant and exciting research within an appropriate field, and either the potential or the demonstrated ability to attract external funding. Rank and salary will be commensurate with qualifications.

Starting date is anticipated to be summer 1997, but is negotiable.

COAS is one of the leading oceanographic graduate research institutions in the country, with more than 200 faculty and staff, and a wide variety of analytical and oceanographic facilities, including excellent computing facilities, a variety of modern analytical laboratories, and two research vessels. OSU is located in an area known for its beauty and quality of life. For more information about the college, OSU, Corvallis, and the environment please consult our web page at http://www.oce.orst.edu.

Applications should consist of a letter of interest, a current curriculum vitae that includes a description of current research interests, funding history, list of publications, and the names and addresses of at least five references, and should be sent to G. Brent Dalrymple, Dean, College of Oceanic and Atmospheric Sciences, 104 Ocean Admin. Bldg., Corvallis, OR 97331-5803, by 15 February 1997. Inquiries should be addressed to Dr. Dalrymple by phone at (541) 737-5195, fax (541) 737-2064 or email gbd@oce.orst.edu. OSU is an AA/EEO employer and has a policy of being responsive to the needs of dual career couples.

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**REGENERON PHARMACEUTICALS, INC.**

**Two Postdoctoral/Scientist Positions Available**

Several Research Associate Positions Available

Regeneron Pharmaceuticals, Inc. is a leader in the application of molecular and cell biological approaches to the discovery of novel trophic factors. The two Postdoctoral/Scientist positions are part of our Discovery laboratory. One position requires skills in the areas of ELISA development & execution, the ability to write an IACUC protocol and perform in vivo experiments such as IV and IP injections into mice, inoculation of rodents with human tumors, SDS PAGE and Western Blotting. Particular consideration will be given to those with experience in setting up models of human disease in rodents. We are looking for a Ph.D. with 0-3 years of postdoctoral experience.

The second opening requires skills in the areas of ELISAs, mammalian cell culture and transfection, gene induction reporter assays, design and engineering of cDNA constructs, SDS PAGE and Western Blotting. We are seeking a Ph.D. with 0-3 years postdoctoral experience. Particular consideration will be given to candidates with experience in Signal Transduction and Cytokine Receptors.

Successful candidates for both available positions will have a proven publication record and demonstrate the ability to integrate into, and work well with, a project team. Good oral and written communication skills are also crucial.

**Research Associates**

We are always looking for skilled RAs to join our company in full-time and long-term temporary assignments. Our entry-level positions require a BA/BS in a science related field and 0-3 years of lab experience. Some other positions require more specific skills/experience, such as molecular cloning, recombinant DNA, tissue cultures, cell cultures, fermentation and bioreactors.

Regeneron’s modern research facilities are located in a suburban setting with ready access to the cultural and business centers of New York City.

Qualified candidates should send their resumes, including salary requirements, to: Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, Tarrytown, NY 10591. Post Doc/Scientist applicants send to Bin NS, Research Associates applicants send to Bin RA. Fax: (914) 347-2847. EOE/M/F/H/V No phone calls please.

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**CALIFORNIA STATE UNIVERSITY**

Department of Biology

Assistant Professors

The Department of Biology, California State University, Northridge, invites applications for two tenure track faculty positions available August 1997. **Application deadline is January 29, 1997.**

**Eukaryotic Molecular Biologist** — The successful applicant will be expected to teach cell biology, techniques in recombinant DNA research, genetics, molecular genetics, molecular biology, and introductory biology. A Ph.D. in biology or related field is required with postdoctoral experience preferred. Candidates must show 1) teaching experience with undergraduate and/or graduate students, 2) evidence of outstanding teaching skills, 3) a commitment to teaching, supported by the innovative use of teaching technology, 4) research experience in eukaryotic molecular biology, with publications, 5) strong potential for establishing an externally funded research program in molecular biology that interfaces with the diverse interests of the department and that involves both undergraduate and graduate students.

**Microbiologist** — The successful applicant will be expected to teach courses in undergraduate general microbiology, graduate-level microbiology in area of specialty, and occasionally undergraduate general biology. Applicants must have a Ph.D. in microbiology or related area, postdoctoral research experience, demonstrated research ability, evidence of teaching effectiveness, and strong commitment to teaching. Candidates must have extensive background in microbiology and in protein structure and function (e.g. protein analysis, expression, folding and assembly; recombinant, cell surface, or viral proteins; microbial toxins). The appointee will be expected to develop a research program involving undergraduate and graduate students, supervise M.S. graduate research, and solicit extramural funding.

Applicants should send a letter of application outlining research interests, relevant course background, curriculum vitae, summary of teaching experience, copies of publications, and three letters of reference to: Dr. Mary Corcoran, Chair, Department of Biology, CSU, Northridge, 18111 Nordhoff Street, Northridge, CA 91330-8303. CSU/ Northridge is an Equal Opportunity/Affirmative Action Employer.
POSTDOCTORAL POSITION

POSTDOCTORAL POSITION available immediately to study enhanced recognition by modified oligonucleotides. Projects include hybridization to duplex DNA, probing telomerase, and intracellular delivery. Please send curriculum vitae and a brief statement of relevant research interests to:

Dr. David Corey
University of Texas Southwestern Medical Center
5323 Harry Hines Boulevard
Dallas, TX 75339-9050
Email: Corey@howie.swmed.edu
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BIOPHYSICS POSTDOCTORAL POSITIONS
Washington University Medical School

POSTDOCTORAL POSITIONS are available for:
1) computational studies of protein-ligand interactions;
2) site-directed mutagenesis and kinetic studies of thrombin and related serine proteases. Send curriculum vitae and three letters of reference to: Dr. Enrico Di Cera, Department of Biophysics and Molecular Biophysics, Washington University School of Medicine, Box 8231, St. Louis, MO 63110. Email: enrico@caesar.wustl.edu. FAX: 314-362-7183.

POSTDOCTORAL POSITION available immediately to study the nature of protein interactions between cyt P450 and its redox partners cyt b5 and cyt P450 reductase. A molecular biologist with an interest in enzymology is required to generate and characterize the structure and function of mutant proteins. Send résumé and three letters of reference to: Dr. Waskell, Department of Anesthesia, UCSF, VA Medical Center, San Francisco, CA 94121. FAX: 415-758-6946, Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to study protein-protein interactions by NMR. The structure and dynamics of the cyta-b5-cytc complex in solution will be evaluated. Experience with multidimensional NMR and protein purification desirable. Send résumé and three letters of reference to: Dr. Basus, Department of Pharmaceutical Chemistry, University of California San Francisco, San Francisco, CA 94111. Email: basus@picasso.ucsf.edu.

BIOPHYSICS POSTDOCTORAL POSITIONS
Washington University Medical School

POSTDOCTORAL POSITIONS are available for:
1) computational studies of protein-ligand interactions;
2) site-directed mutagenesis and kinetic studies of thrombin and related serine proteases. Send curriculum vitae and three letters of reference to: Dr. Enrico Di Cera, Department of Biophysics and Molecular Biophysics, Washington University School of Medicine, Box 8231, St. Louis, MO 63110. Email: enrico@caesar.wustl.edu. FAX: 314-362-7183.

POSTDOCTORAL POSITION available immediately to study the nature of protein interactions between cyt P450 and its redox partners cyt b5 and cyt P450 reductase. A molecular biologist with an interest in enzymology is required to generate and characterize the structure and function of mutant proteins. Send résumé and three letters of reference to: Dr. Waskell, Department of Anesthesia, UCSF, VA Medical Center, San Francisco, CA 94121. FAX: 415-758-6946, Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to study protein-protein interactions by NMR. The structure and dynamics of the cyta-b5-cytc complex in solution will be evaluated. Experience with multidimensional NMR and protein purification desirable. Send résumé and three letters of reference to: Dr. Basus, Department of Pharmaceutical Chemistry, University of California San Francisco, San Francisco, CA 94111. Email: basus@picasso.ucsf.edu.

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Introducing the first intensifying screen for detection of low-energy isotopes. Use with *BioMax* MS film to achieve sensitivity comparable to direct detection but in one-sixth the time.