**BIOLGY**

### Faculty Position

Faculty position available for fall 1995 at the rank of ASSISTANT PROFESSOR (tenure-track). Ph.D. required. We seek candidates who demonstrate strong, dynamic teaching skills and will develop an active research program. They also seek candidates interested in participating vigorously in a new environmental science major. Teaching responsibilities include animal physiology, plant physiology, and environmental science for majors and non-major courses, and two additional courses depending upon candidate's interest, such as biochemistry, environmental science, or environmental physiology. Candidates are expected to hold a Ph.D. in biology, environmental science, or animal science.

**Philadelphia College of Textiles and Science (PCT&S)** is a fully accredited, four-year, independent, career-oriented institution. Our science department offers B.S. degrees in biology, biochemistry, environmental science, physician assistant, and applied mathematics and computer science.

**Review of applications will begin February 1, 1995. Candidates should submit a letter of application, curriculum vitae, statement of research interests, and names and telephone numbers of three current references to: Dr. Richard A. Nigro, Vice President for Academic Affairs, Philadelphia College of Textiles and Science, School House Lane and Henry Avenue, Philadelphia, PA 19144.**

**PCTES is an Affirmative Action/Equal Opportunity Institution.**

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**ASSISTANT/ASSOCIATE PROFESSOR**

**Biology** (Search continued)

Applications are being accepted for a tenure track faculty position in Geophysics at the California Institute of Technology.

**Applications:**

**Position:** Assistant Professor in Geophysics.

**Requirements:**

- Ph.D. in Geophysics or related field.
- Ability to teach introductory courses in geophysics and advanced courses in geophysics.
- Experience in research and teaching.
- Strong background in both theoretical and experimental aspects of geophysics.
- Strong commitment to student mentoring and advising.
- Excellent verbal and written communication skills.
- History of publishing research in peer-reviewed journals.

**Responsibilities:**

- Teaching undergraduate and graduate courses in geophysics.
- Conducting and publishing research in geophysics.
- Participating in departmental and institutional service.

**Preliminary deadlines:**

- Applications are due on February 1, 1995.
- Interviews will be conducted on the Caltech campus.

**Important Dates:**

- February 1, 1995: Application deadline.
- March 1, 1995: Deposit of remaining materials.

**Additional Information:**

- The selection process is ongoing, and applications will be reviewed as they are received.
- Initial interview dates will be announced as they are scheduled.

**Contact Information:**

- Applications should be addressed to: Search Committee, Department of Geophysics, California Institute of Technology, Mail Code 102-40, Department of Geophysics, California Institute of Technology, Pasadena, CA 91125.

**The California Institute of Technology is an Equal Opportunity/Affirmative Action Employer.**

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**ASSISTANT/ASSOCIATE PROFESSOR**

**Biology**

**Position:** Assistant Professor in Biology.

**Responsibilities:**

- Teach courses in biology.
- Conduct research in biology.
- Participate in service to the department and college.

**Qualifications:**

- Ph.D. in biology or related field.
- Experience in teaching and research.
- Ability to communicate effectively.

**Applications:**

Applications are now being accepted for the position of ASSISTANT/ASSOCIATE PROFESSOR in Biology.

**Responsibilities:**

- Teach courses in biology.
- Conduct research in biology.
- Participate in service to the department and college.

**Qualifications:**

- Ph.D. in biology or related field.
- Experience in teaching and research.
- Ability to communicate effectively.

**Applications:**

- Send letter of application, curriculum vitae, and names of three references to: Assistant Professor in Biology, Science Department, California Institute of Technology, Pasadena, CA 91125.

**Additional Information:**

- The California Institute of Technology is an Equal Opportunity/Affirmative Action Employer.

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**ASSISTANT PROFESSOR**

**Cell Biology**

The University of Nevada, Reno invites applications for a tenure-track position beginning July 1, 1995.

**Responsibilities:**

- Conducting independent research.
- Teaching undergraduate and graduate courses.
- Participating in service to the department.

**Qualifications:**

- Ph.D. in cell biology or related field.
- Experience in research and teaching.
- Ability to communicate effectively.

**Applications:**

- Send letter of application, curriculum vitae, and names of three references to: Professor John P. Driscoll, Department of Biology, University of Nevada, Reno, NV 89557.

**Additional Information:**

- The University of Nevada, Reno is an Equal Opportunity/Affirmative Action Employer.
Tenure-Track And Postdoctoral Opportunities.

Listed below are a few of the outstanding opportunities for conducting research that are now available at the National Institutes of Health.

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**Tenure-Track Position**

**Assistant Professor Equivalent**

**Immunology**

Stephen E. Strauss, MD

A tenure-track position is available for an MD or MD/PhD scientist to develop an independent research program on the nature and regulation of mucosal immune responses to viruses or bacteria. A record of imaginative bench research is required. Subspecialty training in Allergy/Immunology or Infectious Diseases is desirable. Space, resources, and competitive salary are committed. Applicants must be US citizens or permanent residents. A two-page statement of research interests and goals should be submitted in addition to three letters of recommendation. Laboratory of Clinical Investigation (OE-65), NIAID, Building 10, Room 11N228, 10 CENTER DR MSC 1888, BETHESDA MD 20892-1888.

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**Postdoctoral Positions**

**Biochemical Solid State NMR**

Robert Tycko, PhD

New solid state NMR methods for studying the structure and dynamics of biochemical systems are being developed. These methods will be applied to the characterization of proteins and polypeptides involved in biochemical signal transduction. Applicants must have exceptional backgrounds in either NMR or biophysical chemistry and have less than five years of postdoctoral experience. Laboratory of Chemical Physics (OE-65), NIDDK, Building 5, Room 112, 5 CENTER DR MSC 0520, BETHESDA MD 20892-0520.

**Gene Expression**

Richard J. Marala, MD

The regulation of Alu retrotransposed elements is being studied to better understand the impact of their expression on cell growth. Cloned factors which affect Alu RNA metabolism and regulation of re-initiation by RNA polymerase III are being characterized. Experience in biochemistry and molecular biology, and less than five years postdoctoral experience, are required. Laboratory of Molecular Growth Regulation (OE-65), NICHD, Building 6, Room 416, 6 CENTER DR MSC 2753, BETHESDA MD 20892-2753.

*(See Mol Cell Biol 14:3939 and Mol Cell Biol 14:2147)*

**Human Genetics**

Daniel L. Kastner, MD, PhD

Research is primarily directed at understanding the genetic basis of rheumatic diseases. A major objective is the positional cloning of the gene causing familial Mediterranean fever (FMF). Other ongoing projects include the genetic analysis of complex rheumatic diseases and the mutational analysis of amino acid transporters in cystinuria. Applicants must have less than five years of postdoctoral experience. Genetics Section (OE-65), NIAMS, Building 10, Room 9N214, 10 CENTER DR MSC 1820, BETHESDA MD 20892-1820.

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**Molecular Biology and Genetics**

Stephen J. Marx, MD

The genes regulating growth and secretion in endocrine-related tissues are being studied. Emphasis is upon processes whose disruption causes acquired or hereditary disease in man. Major interests include the parathyroid glands and the fibroblast growth factor gene family. Another interest is multiple endocrine neoplasia type I, as a model for simultaneous dysfunction in several glands. Applicants must have less than five years of postdoctoral experience. Genetics and Endocrinology Section (OE-65), NIDDK, Building 10, Room 9C101, 10 CENTER DR MSC 1802, BETHESDA MD 20892-1802.

**Molecular Biology of POU Proteins**

W. Scott Young, III, MD, PhD

POU transacting factors within the hypothalamus are being investigated. Problems under analysis include specific POU-protein and POU-DNA interactions and transcriptional regulation of POU genes. Applicants should have a strong background in molecular biology and have less than five years of postdoctoral experience. Laboratory of Cell Biology (OE-65), NIMH, Building 36, Room 2D10, 36 CONVENT DR MSC 4068, BETHESDA MD 20892-4068.

**Molecular Endocrinology**

Sheue-yann Cheng, PhD

Molecular mechanisms mediating thyroid hormone induced growth, differentiation, and differentiation are being studied with particular emphasis on the interaction of thyroid hormone receptors with the basal transcription factors. The tissue specific factors/adaptors/mediators which regulate the transcriptional activity of the thyroid hormone receptors will also be identified and characterized. A strong background in molecular biology and biochemistry is preferred. Applicants must have less than five years of postdoctoral experience. Laboratory of Molecular Biology (OE-65), NCI, Building 37, Room 2D24, 37 CONVENT DRIVE MSC 4255, BETHESDA MD 20892-4255.

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**Additional Postdoctoral Fellowship Opportunities**

For an on-line listing of additional postdoctoral openings, you may access the NIH EDNET Bulletin Board POSTDOC conference via Internet (wdbur.cu.nih.gov) or modem (1,301-402-2221 or 1,800-358-2221) with parameters set at "7,Even,1." When connected to NIH, type in "v100" for terminal emulation, "fse" for initials, and "AJL" for account number.

The Postdoctoral Research Fellowship Opportunities catalog, which describes intramural laboratories at the NIH, is also available by request. An electronic version of the catalog may be accessed via the Internet using either the Gopher Information System (gopher.nih.gov) or the World Wide Web (http://www.nih.gov). When connected, select Research Opportunities at the NIH Office of Education. If you would like to request a catalog or have further questions, please contact the Office of Education, Building 10, Room 1C129, 10 CENTER DR MSC 1158, BETHESDA MD 20892-1158, 301-402-1603, Fax 301-402-0483.

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**To Apply**

If you hold a doctoral degree (e.g., PhD, MD/PhD, MD, DO, DDS, DMD or DVM) accompanied by previous laboratory research experience, and would like to be considered for one of these positions, please send a cover letter, curriculum vitae, bibliography, and statement of research interests to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three scientists who can provide an evaluation of your qualifications.
The Department of Biological Sciences, Mississippi State University invites applications for two tenure-track, nine-month FACULTY POSITIONS to begin 16 August 1995. We are seeking broadly trained individuals for each position. For at least one position, preference will be given to applicants who demonstrate approaches to study community or ecosystem ecology. The successful applicants will be expected to develop a strong, externally funded research program. Teaching responsibilities include undergraduate and graduate courses in botany, plant ecology, general biology, introductory zoology, and in zoology, ichthyology, and general ecology for the Fish Ecologist. Qualifications for both positions include a completed Ph.D. in a relevant field and an established record of research productivity, teaching and postdoc- toral experience are desirable. Applications should include a curriculum vitae, a concise statement of research and teaching interests, three letters of reference sent to the Search Committee Chair: Dr. Michael J. Sullivan, Department of Biological Sciences, P. O. Box 614, Mississippi State, MS 39762. Telephone: 601-325-7857. Screening of candidates will begin 15 February 1995 and will continue until both positions are filled. Mississippi State University is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION THE WEIZMANN INSTITUTE OF SCIENCE

The Department of Biochemistry at The Weizmann Institute of Science, Rehovot, Israel is seeking applicants for a tenure-track position at the SENIOR SCIENTIST (ASSISTANT PROFESSOR) level starting in the fall of 1995 or later. The Department of Biochemistry provides an excellent and stimulating research environment with groups conducting research in Molecular Genetics (gene expression, DNA modification, cell cycle, and differentiation), Bioenergetics (membrane transport systems and photosynthesis), and Cell Biology (cell division, signal transduction, and cell mechanics). The successful applicant should have strong scientific skills and be an excellent mentor and leader of a research group. For further information please contact: Professor Dr. A. Awwar, Department of Biochemistry, Weizmann Institute of Science, Rehovot 76100 Israel.

ASSISTANT PROFESSOR OF Medical Genetics. The University of Pennsylvania School of Veterinary Medicine announces a tenure-track faculty position for a Veterinarian, Ph.D. or M.D. with training in molecular genetics and experience in basic research. The selected candidate will be responsible for basic research in molecular mechanisms and/or treatment of genetic diseases. Opportunities to participate in an expanding program involving the study of animal homologs of human genetic disease. Clinical experience is desirable. Teaching responsibilities include instruction in medical and molecular genetics in the School of Veterinary Medicine, and the large university-wide biomedical graduate program. Applicants should submit a letter of intent, a statement of personal goals, curriculum vitae, and the names of three references, and should be sent to: Prof. Zvi Livneh, Head, Department of Biochemistry, Weizmann Institute of Science, Rehovot 76100 Israel.

MOLECULAR BIOLOGY

Pacific University, Forest Grove, Oregon invites applications for an ASSISTANT PROFESSOR of Biology for a tenure-track position to begin August 1995. Teach lecture and laboratory courses in Molecular Biology, Genetics and Evolution and General Biology sequence (includes Botany). A broad background in biology, evidence of success in teaching, and Ph.D. or M.D. are expected. Research in molecular biology with undergraduate students expected. Send curriculum vitae, all transcripts, a statement of teaching philosophy, and three current letters of reference by February 22, 1995, to: Dr. Richard Carter, Department of Biology, Pacific University, Forest Grove, OR 97116. Email: Rich.Carter@PacificU.edu or FAX: 503-359-2933.

ASSISTANT PROFESSOR PLANT BIOLOGIST FISH ECOLOGIST

The Department of Biological Sciences, Mississippi State University invites applications for two tenure-track, nine-month FACULTY POSITIONS to begin 16 August 1995. We are seeking broadly trained individuals for each position. For at least one position, preference will be given to applicants who demonstrate approaches to study community or ecosystem ecology. The successful applicants will be expected to develop a strong, externally funded research program. Teaching responsibilities include undergraduate and graduate courses in botany, plant ecology, general biology, introductory zoology, and in zoology, ichthyology, and general ecology for the Fish Ecologist. Qualifications for both positions include a completed Ph.D. in a relevant field and an established record of research productivity, teaching and postdoc- toral experience are desirable. Applications should include a curriculum vitae, a concise statement of research and teaching interests, three letters of reference sent to the Search Committee Chair: Dr. Michael J. Sullivan, Department of Biological Sciences, P. O. Box 614, Mississippi State, MS 39762. Telephone: 601-325-7857. Screening of candidates will begin 15 February 1995 and will continue until both positions are filled. Mississippi State University is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION THE WEIZMANN INSTITUTE OF SCIENCE

The Department of Biochemistry at The Weizmann Institute of Science, Rehovot, Israel is seeking applicants for a tenure-track position at the SENIOR SCIENTIST (ASSISTANT PROFESSOR) level starting in the fall of 1995 or later. The Department of Biochemistry provides an excellent and stimulating research environment with groups conducting research in Molecular Genetics (gene expression, DNA modification, cell cycle, and differentiation), Bioenergetics (membrane transport systems and photosynthesis), and Cell Biology (cell division, signal transduction, and cell mechanics). The successful applicant should have strong scientific skills and be an excellent mentor and leader of a research group. For further information please contact: Professor Dr. A. Awwar, Department of Biochemistry, Weizmann Institute of Science, Rehovot 76100 Israel.

ASSISTANT PROFESSOR OF Medical Genetics. The University of Pennsylvania School of Veterinary Medicine announces a tenure-track faculty position for a Veterinarian, Ph.D. or M.D. with training in molecular genetics and experience in basic research. The selected candidate will be responsible for basic research in molecular mechanisms and/or treatment of genetic diseases. Opportunities to participate in an expanding program involving the study of animal homologs of human genetic disease. Clinical experience is desirable. Teaching responsibilities include instruction in medical and molecular genetics in the School of Veterinary Medicine, and the large university-wide biomedical graduate program. Applicants should submit a letter of intent, a statement of personal goals, curriculum vitae, and the names of three references, and should be sent to: Prof. Zvi Livneh, Head, Department of Biochemistry, Weizmann Institute of Science, Rehovot 76100 Israel.

MOLECULAR BIOLOGY

Pacific University, Forest Grove, Oregon invites applications for an ASSISTANT PROFESSOR of Biology for a tenure-track position to begin August 1995. Teach lecture and laboratory courses in Molecular Biology, Genetics and Evolution and General Biology sequence (includes Botany). A broad background in biology, evidence of success in teaching, and Ph.D. or M.D. are expected. Research in molecular biology with undergraduate students expected. Send curriculum vitae, all transcripts, a statement of teaching philosophy, and three current letters of reference by February 22, 1995, to: Dr. Richard Carter, Department of Biology, Pacific University, Forest Grove, OR 97116. Email: Rich.Carter@PacificU.edu or FAX: 503-359-2933.
The Fellowship Program in Academic Medicine for Minority Students
Sponsored by Bristol-Myers Squibb Company
Established by The Commonwealth Fund

In Recognition of the 1994 Academic Medicine Fellows
The following students were selected from a pool of applicants from 55 medical schools to receive grants for academic medicine and biomedical research.

Angela Alford
Indiana, ’95
Suzanne Jones
Duke, ’95

Quentin Allen
Duke, ’95
Anthony Loffredo
UCLA, ’96

Tina Antoine-Mandler
Iowa, ’95
John Lopez
Albany, ’96

Wayne Berryhill
Minnesota, ’96
Luis Lovato
UCLA, ’96

Daria Brooks
Case Western Reserve, ’96
Daniel Martinez
Loyola of Chicago, ’95

Duane Bryan
Yale, ’96
Jennell Nelson
Meharry, ’96

Eric Burdge
Cornell, ’95
Frederica Overstreet
Washington, ’96

Kecia Carroll
Vanderbilt, ’96
Kathie-Ann Ramsay
Columbia P&S, ’95

Yvonne Carter
Columbia P&S, ’95
Ivan Sabio
Rochester, ’96

Kingsley Chin
Harvard, ’96
Jose Saldivar
Illinois at Chicago, ’95

Monica Escarzaga
Yale, ’96
Wesley Schooler
North Carolina, ’95

Cheryl Farmer
North Carolina, ’96
Ezequiel Silva III
Baylor, ’96

Paul Gladden
Columbia P&S, ’96
Monica Simmons
Albany, ’95

Yolanda Heman-Ackah
Northwestern, ’95
Vincent Smith
Stanford, ’96

Dora Hughes
Vanderbilt, ’96
Sean Sue
Duke, ’95

Tracey Irvin
Florida, ’96
Pierre Theodore
Virginia, ’95

Juan Jimenez
UCLA, ’96
Patricia Turner
Bowman Gray, ’96

Timothy Johnson
Yale, ’96
Derrick Wallace
Mount Sinai, ’96

Sponsored by Bristol-Myers Squibb Company and established by The Commonwealth Fund, the Fellowship Program in Academic Medicine for Minority Students provides opportunities for men and women of four under-represented groups in American medicine (African-American, mainland Puerto Rican, Mexican-American and Native American) to pursue careers in academic medicine and research.

Students honored as fellows receive a stipend to use for a research project under the guidance of experienced biomedical researchers. Fellows present their findings at an annual symposium, providing valuable experience in preparing and discussing research.

Bristol-Myers Squibb Company is a research-based, diversified health care organization specializing in pharmaceuticals, consumer products, nutritional and medical devices. The Company has supported the Fellowship Program in Academic Medicine for Minority Students since 1990.

The Commonwealth Fund, a national philanthropy located in New York City, was founded in 1918 to enhance the common good. Celebrating its 76th anniversary, the Fund’s major programs focus on health, aging and youth issues.

If you are approaching your second or third year of medical school and are of African-American, mainland Puerto Rican, Mexican-American or Native American descent, information can be obtained from The Fellowship Program in Academic Medicine for Minority Students, National Medical Fellowships, Inc., 254 West 31st Street, 7th Floor, New York, NY 10001. (212) 714-0933.

Bristol-Myers Squibb Company
Bristol-Myers Squibb Company continues to show its commitment to quality education and opportunity for minorities through financial support to nonprofit institutions including scientific, medical, educational, charitable and cultural organizations.
Molecular Cell Biologist/Plant Biologist

Applications are invited for two positions at the Assistant Professor level. Both positions are two-year appointments with possibility of renewal. Responsibilities include teaching introductory courses for majors and non-majors, directing undergraduate research, and advising.

We seek a Molecular/Cell Biologist from any area of cell or molecular biology to teach our core undergraduate and upper-division courses, and to demonstrate expertise in modern techniques to teach the core cell and molecular biology course and course(s) in specialization. We also seek a Plant Biologist with special expertise in basic and applied skills to teach general botany, a section of biodiversity, and plant physiology or plant morphology/systematics.

Send curriculum vitae, statement of teaching and research interests, transcripts, and three letters of reference to: Dr. Terry Matthews, Department of Biology, Millikin University, Decatur, IL 62522. Email: tmatthews@millikin.edu. Review of applications will begin February 6, 1995, and will continue until the positions are filled. An Equal Opportunity Employer.

Cell or Molecular Biology [No. 20828]. The Department of Biological Sciences at the University of Northern Colorado, invites applicants for a tenure-track appointment at the Assistant Professor level. Candidates will have a Ph.D. degree from an accredited institution with emphasis in cell or molecular biology, molecular genetics or microbiology. Excellence in teaching and an active research program are desirable, as are postdoctoral experiences. Preference will be given to candidates with research interests and experience in evaluating humoral/mucosal immunological responses and correlates of protection conferred by vaccination. Candidates must have demonstrated excellence in independent research. The successful candidate will join a faculty active in research on the development and use of vaccines against respiratory viruses and other mucosal pathogens. This position involves the conduct of independent and collaborative research, and teaching and training graduate students in the Department of International Health (Division of Vaccine Science) and Molecular Biology and Immunology. Send letter of application, including current and future research plans, curriculum vitae and names and addresses of three references to: Mary Lou Clements, M.D., M.P.H., Director, Johns Hopkins University Center for Immunization Research, Room 125, 624 North Broadway, Baltimore, MD 21205. Telephone: 410-955-4376. FAX: 410-550-6898.

Electrophysiologist

Tenure-Track Faculty Position in the Department of Psychiatry and Human Behavior, Division of Neurobiology and Behavior Research at the University of Mississippi Medical Center. Candidates should have a Ph.D. or M.D. degree. Preference will be given to candidates with expertise in vivo neuronal electrophysiology. Teaching in the CNS active drugs and a funding track record. Experience with teaching on laboratory courses and in preparing lesson plans for lectures is desirable. Salary commensurate with experience. Applicants should submit a curriculum vitae and a statement of research interests and three letters of recommendation to: Dr. Angelos Halaris, Chairman, Department of Psychiatry and Human Behavior, University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216. Equal Opportunity Employer. Male/Female/Disabled/Veterans.

FACULTY POSITION
DIVISION OF BASIC SCIENCES

The Division of Basic Sciences of the Fred Hutchinson Cancer Research Center (FHCRC) is soliciting applications to fill an open FACULTY POSITION. Depending upon the expertise and successful applicant, the level of the appointment may be either the Assistant, Associate or Full Member level. Applicants with demonstrated research competence in any field of modern molecular and cellular biology will be considered. Applications for appointment at the Assistant and Associate Member levels will be received until March 1, 1995. Applications at the Full Member level will be received until the position is filled. Candidates should send a curriculum vitae, a concise statement of their research plans, and three letters of reference to: New Staff Committee, Fred Hutchinson Cancer Research Center, Division of Basic Sciences, B1-030, 1124 Columbia Street, Seattle, WA 98104. FHCRC is an Equal Opportunity Employer committed to work force diversity and provides a smoke-free environment.

DEPARTMENT HEAD
FOREST ENGINEERING
OREGON STATE UNIVERSITY

Applications to lead educational and research programs in forest resource management. Required is a doctoral degree in forestry, hydrology, or a related field; an understanding of education and research concepts, operations, and administration; and an ability to interact effectively with others. Position available 1 September 1995.

Applications, including curriculum vitae and three references, will be received until 15 March 1995, or until the position is filled, and may be directed to: Dr. Paul W. Adams, Forest Engineering Department, OSU, 213 Peary, Corvallis, OR 97331. Telephone: 503-737-4952. Oregon State University is an Affirmative Action/Equal Opportunity Employer and is responsive to the needs of dual-career couples.

UNIVERSITY OF LOUISVILLE
SCHOOL OF MEDICINE

Department of Microbiology and Immunology

A tenure-track FACULTY POSITION in Molecular Immunology is available for the fall of 1995. The level of appointment is open, and the salary is commensurate with experience. Candidates should hold a Ph.D., M.D. or equivalent degree at least two years postdoctoral research experience and a record of research expertise and productivity in molecular aspects of immunology or related areas. The successful applicant will receive good start-up support, and will be expected to carry out an active, independent research program. Candidates will also be expected to participate in the teaching of immunology to medical, dental, and graduate students. Send a curriculum vitae, statement of research interests, and the names of three references to: Dr. Richard D. Miller, Acting Chairman, Department of Microbiology and Immunology, University of Louisville, Louisville, KY 40292. An Equal Opportunity/Affirmative Action Employer.

NATURALIST AND DEPARTMENT CHAIR
Hendrix College

Applications or nominations are sought for a broadly trained field biologist to teach five undergraduate courses per year in the area of botany, ecology and evolution. Preference will be given for experience as departmental chair, in directing undergraduate research and in obtaining outside funding. Rank and salary commensurate with experience. Send three letters of recommendation; curriculum vitae; transcripts; a statement of teaching, research and personal philosophy; and one letter of approval of your teaching, research and interpersonal skills to: Dr. Bruce Haggard, Search Committee, Department of Biology, Hendrix College, 1601 Harkrider, Conway, AR 72032. Email: Haggard@alpha.hendrix.edu. Applications accepted through February 15, 1995. Hendrix College is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION
Massachusetts General Hospital
Harvard Medical School
Cutaneous Biology Research Center

The Cutaneous Biology Research Center (CBRC) seeks a molecular, cellular or developmental biologist to establish a program in fundamental research relevant to skin pigmentation. Areas of research can include but are not limited to pigment synthesis and transfer in melanocytes, genetics of mouse coat color and development/migration of neural crest cells. Applicants must have a Ph.D. and/or M.D. degree and relevant postdoctoral experience. Only applicants with a strong research record and those who plan to apply supported research programs will be considered. Individuals with a demonstrated ability to develop imaginative approaches to research are particularly encouraged to apply. Rank: salary/start-up funding vary and are negotiable depending on experience and qualifications. The CBRC occupies 45,000 square feet of fully equipped laboratory space.

Interested individuals should send curriculum vitae, reprints, a statement of research and future directions, along with three letters of recommendation and telephone numbers of three references to: Paul F. Goebbisch, Ph.D., Chair, Faculty Search Committee, Cutaneous Biology Research Center, Massachusetts General Hospital-East Building 149, 13th Street, Charlestown, MA 02129.

The Massachusetts General Hospital Cutaneous Biology Research Center is an equal opportunity/Affirmative Action Employer. Minorities, women, disabled and veterans are encouraged to apply.

CHAIRPERSON
Department of Microbiology and Immunology
Uniformed Services University of the Health Sciences

The Edward Hébert School of Medicine of the Uniformed Services University of the Health Sciences (USUHS) invites nominations and applications for the position of Professor and Chairperson, Department of Microbiology and Immunology. The Department has particular research strengths in molecular mechanisms of microbial pathogenesis and host responses to infectious diseases. It participates in the education of medical students, Ph.D. candidates in programs encompassing bacteriology, immunology, virology, and parasitology, and interdisciplinary subjects, and postdoctoral fellows. USUHS provides a strong environment for academic growth and excellence. Applicants for this position must have a doctoral degree (Ph.D., M.D., or equivalent). They should demonstrate record of research accomplishment, strong commitment to excellence in education, successful experience as a mentor for junior faculty, and demonstrated managerial and teaching skills. The new Chairperson will be expected to build upon the existing strengths of the Department while adding new depth to the Department’s activities. Review of applications will begin in February 1995; applications should be received by March 10, 1995. Applicants should submit a curriculum vitae with bibliography and history of grant support, a cover letter describing their investigative, didactic, and administrative experiences, and the names of three references to: Brian M. Cox, Ph.D., Chairperson, Uniformed Services University of the Health Sciences, Attention: CHB (MI), 4301 Jones Bridge Road, Bethesda, MD 20814-4799. Nominations for the position are also invited. Foreign nationals will be considered only if qualified United States citizens are not available. USUHS is an Equal Opportunity/Affirmative Action Employer strongly committed to racial, cultural and ethnic diversity.

Plant Ecology. The HUXLEY RESEARCH INSTITUTE, an institute combining research and modest teaching, seeks a collaborative or independent research ecologist combining research and teaching skills in the areas of applied or theoretical ecology. Candidates will be expected to develop an independent research program and to participate in the teaching of students at the Ph.D. level. An M.S. degree is required. Demonstrated ability to develop a strong and lively research program and to obtain outside funding is desirable. Rank and salary commensurate with experience. Submit a curriculum vitae, statement of teaching and research interests, and three letters of reference to: P. A. Harcombe, Search Committee, Department of Ecology and Evolutionary Biology, Rice University, P.O. Box 1892, Houston, TX 77251, by March 1, 1995. An equal opportunity/affirmative action employer. Rice University is an Equal Opportunity/Affirmative Action Employer.
FACULTY POSITIONS IN OCEANOGRAPHY

Skidaway Institute of Oceanography (SKIO) seeks to fill several positions at the ASSISTANT PROFESSOR OR POSTDOCTORAL level. The successful candidates will be expected to develop their own research programs, and participate in collaborative studies of biogeochemical cycling or physical-biological-chemical couplings in estuarine, coastal or shelf environments. SKIO is uniquely situated on the Intracoastal Waterway, near Savannah, Georgia, giving access to a variety of estuarine and continental shelf environments. SKIO is a research unit of The University System of Georgia.

MARINE MICROBIAL ECOLOGIST. Applications are encouraged from scientists with expertise in water column and/or benthic processes, and who are able to conduct field as well as experimental studies. Scientists with broad backgrounds and wide ranges of interest are encouraged to apply, especially those with training or demonstrated expertise in molecular approaches.

PHYSICAL OCEANOGRAPHER. Applications are encouraged from scientists with expertise in theory, modelling, or field or laboratory measurement, especially as related to coastal physical processes.

BENTHIC BIOLOGICAL OCEANOGRAPHER. Applications are encouraged from scientists interested in conducting innovative research in marine benthic biology. Scientists with a demonstrated interest in process-oriented research and the interactions between benthic fauna and geochemical and physical processes are encouraged to apply.

MARINE ORGANIC CHEMIST. Applications are encouraged from scientists who can carry out innovative research into the sources, behavior and biogeochemical cycling of organic matter, preferably at the molecular level, in water column and/or sedimentary marine systems.

ENVIRONMENTAL ORGANIC CHEMIST. Applications are encouraged from scientists who can carry out research on organic contaminants in the marine environment, including the development of analytical techniques. Scientists with a background in ecotoxicology are especially encouraged to apply.

Applications will be accepted through 15 March 1995, and should include a statement of research interests, a CV, and names of at least three references. Send applications to: Director, Skidaway Institute of Oceanography, 10 Ocean Science Circle, Savannah, Georgia 31411 (FAX: 912-998-2310). Skidaway Institute of Oceanography is an equal opportunity/affirmative action employer.

Dean
Division of Natural Sciences, Mathematics, and Engineering

The University of Denver is a major, private, doctorate-granting institution, established in 1864 and enrolling more than 8,000 students. It is financially healthy and programmatically vibrant. The Division of Natural Sciences, Mathematics, and Engineering has approximately 65 full-time faculty, enrolls 540 undergraduates and 150 graduate majors, and carries out sponsored research totaling approximately $4.8 million annually. Departments are biological sciences, chemistry, geography, engineering, mathematics and computer science, and physics and astronomy. Interdepartmental programs include environmental science and materials science.

The Dean is responsible for the intellectual and administrative leadership of the Division and reports directly to the Provost of the University. The Dean must be committed to excellence in both graduate and undergraduate education and in research, to working effectively with other areas of the University, to the enhancement of student recruitment strategies, and to professional and community outreach.

The candidate should have:
• a commitment to high intellectual and ethical standards
• a substantial record of experience and accomplishment in both teaching and research
• experience with curricula to provide science education to non-science majors
• strong organizational, administrative, and communication skills
• an earned doctorate in one of the disciplines of the Division
• experience in fund raising and promoting grant-sponsored research
• a record of high achievement commensurate with appointment as a tenured full professor in one of the departments in the Division.

Nominations and applications must include a cover letter, current resume, and the names and telephone numbers of five references who may be called. Applicants should also be prepared to send five letters of reference upon request. To ensure full consideration, apply by February 15, 1995. The position will become available July 1, 1995. Submit materials to Provost William Zaranka, University of Denver, Denver, Colorado, 80208 (Attention: NSME Dean Search).

UNIVERSITY OF DENVER
The University of Denver is an affirmative action and equal opportunity employer. Women and minorities are encouraged to apply.

Molecular Biologist
National Institutes of Health

Molecular Biologist needed with experience in cloning, sequencing, and expression of rotavirus genes. Also required is experience in the structure-function analysis of rotavirus proteins and elucidation of the role of individual rotavirus proteins in virus replication and morphogenesis. This is a tenure-track position. Position targeted for EEO recruitment efforts. U.S. citizenship required.

Salary range: $51,557 to $67,021

Qualified and interested scientists should send their curriculum vitae and names and addresses of three (3) references to: Joann Martin, NIH, Bldg 31, Room 7A27, 9000 Rockville Pike, Bethesda, MD 20892; Fax: (301) 496-1940

Applications will be accepted for two weeks only after the last publication.

NIH is an Equal Opportunity Employer
**POSI TIONS OPEN**

**MONMOUTH COLLEGE BIOLOGY CHAIR**

Applications are invited for a tenure-track appointment at the Assistant Professor level as the Biology Chair. The Chair is responsible for the Biology Program and will have a demonstrated record of excellence in teaching and research. Candidates are expected to have a Ph.D. in Biology with a strong emphasis on genomics and bioinformatics. Applications are encouraged from individuals who are committed to diversity and to teaching in an environment that values and supports faculty development.

**DEVELOPMENTAL BIOLOGIST**

The Department of Biology at The Citadel invites applications for a full-time position as Assistant Professor of Developmental Biology. The candidate will be expected to establish a research program in developmental biology and to teach courses in the field. Applicants are expected to have a Ph.D. in a related field and to be committed to teaching and research in an undergraduate liberal arts institution. The starting date is September 1, 2014. Interested candidates should submit a letter of application, curriculum vitae, and three letters of recommendation to: Dr. Robert E. Baldwin, Department of Biology, The Citadel, Charleston, SC 29409; Telephone: 843-953-7572. Application review will begin on February 20, 2015, and will continue until the position is filled.

**FACULTY POSITIONS DEPARTMENT OF PATHOLOGY**

Texas A&M University Health Science Center, College of Medicine, is seeking candidates for faculty positions at the rank of Assistant Professor. A PhD and successful undergraduate teaching experience are required. Applicants should submit a letter of interest, curriculum vitae, and three letters of recommendation to: Dr. Julius A. Gordon, Department Chair, College of Medicine, Texas A&M University Health Science Center, College Station, TX 77843.

**ANATOMIST/NEUROSCIENTIST BOSTON UNIVERSITY**

The Department of Anatomy and Neurobiology at Boston University is seeking candidates for a tenure-track position. The successful candidate will have a strong research background in cell and molecular biology and must have a Ph.D. in neuroscience, with a strong record of publication. Applicants should submit a letter of application, curriculum vitae, and three letters of recommendation to: Dr. John S. W. Gross, Department Chair, Department of Anatomy and Neurobiology, Boston University, 715 Commonwealth Avenue, Boston, MA 02215.

**POSI TIONS OPEN**

**DOCTORAL POSITION Molecular and Structural Biology:**

Evolution Of Drug Resistant Mutations In HIV

Applications are invited for a position to work on a project to investigate the structural basis for HIV-1 reverse transcriptase (RT) resistance to nucleoside analogs. The project involves structural and biochemical characterization of the HIV-1 RT enzyme and its drug-resistant mutants. The successful candidate will be expected to contribute to the design and execution of experiments and to the analysis of data. The position is available immediately and the appointment will be for one year, with the possibility of renewal for a second year. Interested candidates should submit a letter of application, curriculum vitae, and three letters of recommendation to: Dr. Michael H. Diamond, Department of Biochemistry and Molecular Biology, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205. Applications will be reviewed on a continuing basis until the position is filled.

**POSTDOCTORAL POSITION Molecular and Structural Biology**

The University of Chicago is seeking a postdoctoral fellow to study the structural basis for HIV-1 reverse transcriptase (RT) resistance to nucleoside analogs. The project involves structural and biochemical characterization of the HIV-1 RT enzyme and its drug-resistant mutants. The position is available immediately and the appointment will be for one year, with the possibility of renewal for a second year. Interested candidates should submit a letter of application, curriculum vitae, and three letters of recommendation to: Dr. Michael H. Diamond, Department of Biochemistry and Molecular Biology, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205. Applications will be reviewed on a continuing basis until the position is filled.
POSTDOCTORAL POSITIONS

National Institute of Allergy
and Infectious Diseases

National Institutes of Health
Announcement No.: PA-14

Postdoctoral Positions are available to study antigen processing/MHC recognition and NK recognition; structure/function of integrins; γδ T cells; and transcription factors of immune relevance. Applicants must have less than three years of postdoctoral experience. Salary range $25,000 to $30,000, depending on experience.

Qualified and interested candidates should send curriculum vitae and names and addresses of three (3) references to:

John E. Coligan, Ph.D.
Chief, Laboratory of Molecular Structure
National Institute of Allergy and Infectious Diseases
National Institutes of Health
Twinbrook II
12441 Parklawn Drive, Room 103
Rockville, MD 20852-1727

(301) 496-3213 phone
(301) 402-0284 fax

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ASSOCIATE DIRECTOR
MATTHAEI BOTANICAL GARDENS

University of Michigan

The University of Michigan’s Matthaei Botanical Gardens invites applications for the position of Associate Director. The Associate Director provides the ongoing administrative supervision to the programs of education, research and public outreach. Preference will be given to candidates with demonstrated management skills including supervision of budgets and personnel, an understanding of the business operations of a research university, and advanced training in the plant sciences; Ph.D. preferred. A familiarity with issues of biodiversity, conservation and horticulture is necessary. The position is available immediately and applications will be accepted until the position is filled. Applicants should send a curriculum vitae, statement of interest, and names and telephone numbers of four references to:

Dr. J. A. Teerl, Department of Biology, Natural Science Building, University of Michigan, Ann Arbor, MI 48109.

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

The University of Michigan
Human Resources / Affirmative Action

ASSISTANT SCIENTISTS

Who hold a BS/MS and have 2+ years relevant experience

Antibody Discovery
As a part of a team responsible for the generation of monoclonal antibodies. The ideal candidate should have experience in immunization protocols, hybridoma generation, screening methodologies and antibody characterization. Experience in molecular biology, especially in phage antibody combinatorial libraries, would be advantageous. Code FM001

Atherosclerosis
The selected candidates will study the pathophysiology of genes involved in the development of atherosclerosis. Experience using state-of-the-art molecular biology techniques, such as gene knock out, eukaryotic gene expression, in situ hybridization, mammalian tissue culture and lipoprotein analysis is desirable. Molecular Biology laboratory experience is required. Code OF002

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For confidential consideration, please send your curriculum vitae, identifying your position of interest with proper code, to: Employee Resources Dept., Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340.

We are an equal opportunity employer. M/F/DV.
POSTDOCTORAL POSITION

POSTDOCTORAL POSITION IN MOLECULAR ONCOLOGY

A POSTDOCTORAL POSITION is available immediately to work with Dr. Steven Brenner at the Dana-Farber Institute for Medical Research-McGill University, Jewish General Hospital, 3755 Côte Ste-Catherine Street, Montreal, QC, H3T 1C5. Phone: 514-340-2860, ext. 4504; FAX: 514-340-7586. Closing date is March 15, 1995. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and landed immigrants.

POSTDOCTORAL POSITION

A POSTDOCTORAL POSITION is available immediately at the Dana-Farber Cancer Institute. The project involves studying the interaction of retroviruses with cells and host organisms, and the generation and evaluation of DNA vaccines to prevent retroviral infection and disease. We are seeking a molecular biologist with expertise in studying gene expression systems; working knowledge of molecular biology techniques; and knowledge of retroviral biology. Send curriculum vitae and names of three references to: Dr. Ruth M. Ruprecht, Chief, Laboratory of Viral Pathogenesis, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115. Dana-Farber Cancer Institute is an affiliate of Harvard Medical School; Affirmative Action/Equal Opportunity Employer. Women and minorities encouraged to apply.

POSTDOCTORAL POSITION IN Plant and Animal Interactions

Applications are invited for a Postdoctoral Fellow (Drs. Lorna H. G.观音, 9:1407; In Silico Dev. Biol., 30A:303). In particular the analysis of gene expression during differentiation will be explored. Recent Ph.D. in Molecular Biology is required. Send curriculum vitae and names of three references to: Dr. Michael Lieberman, Department of Molecular Genetics, Biochemistry, and Microbiology, Department of Internal Medicine, Cleveland Clinic Foundation, Cleveland, OH 44106. Phone: 216-445-5465; FAX: 216-445-2275; Email: lieberman@ccf.org. Cleveland Clinic Foundation is an equal opportunity employer.

POSTDOCTORAL POSITION

A POSTDOCTORAL POSITION is available immediately to work with Dr. Steve Brenner at the Dana-Farber Institute for Medical Research-McGill University, Jewish General Hospital, 3755 Côte Ste-Catherine Street, Montreal, QC, H3T 1C5. Phone: 514-340-2860, ext. 4504; FAX: 514-340-7586. Closing date is March 15, 1995. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and landed immigrants.

POSTDOCTORAL POSITION

A POSTDOCTORAL POSITION is available immediately to work with Dr. Ruth M. Ruprecht at the Dana-Farber Institute for Medical Research-McGill University, Jewish General Hospital, 3755 Côte Ste-Catherine Street, Montreal, QC, H3T 1C5. Phone: 514-340-2860, ext. 4504; FAX: 514-340-7586. Closing date is March 15, 1995. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and landed immigrants.
Situated in downtown Seattle, overlooking Puget Sound, Immunex Corporation offers professional challenge and the opportunity to live in one of the most desirable places in America. As a biopharmaceutical company focused on the discovery, development, manufacture and marketing of products to treat immune system disorders, we are also well positioned in a critical industry where innovative ideas help save lives.

**STAFF SCIENTIST**

**Gut Biology**

The successful candidate will be involved with developing a program of research in the biological and immunological aspects of intestinal epithelial cell growth and function or mucosal immunology with specific focus on the gastrointestinal system. Knowledge of intestinal disease models is advantageous. Requires a Ph.D., a minimum of 3 years' post-doctoral experience and demonstrated research ability. Reference Job #7215.211A.

**STAFF SCIENTIST**

**Cellular Immunology**

The successful candidate will direct a research program focusing on the discovery and functional characterization of cytokines and other immunoregulatory molecules, with particular emphasis on human immune response models. Requires a minimum of 3-5 years' post-doctoral experience and a solid research background in human immunology. Reference Job #7215.211C.

For consideration, please submit C.V., specifying the appropriate job number, three references and a list of publications to: IMMUNEX CORPORATION, Attn: Human Resources Dept., 51 University Street, Seattle, WA 98101. An equal opportunity employer.

**Jobline (206) 389-4060**

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An excellent opportunity to play an important role in the company's drug discovery/lead optimization efforts. We are currently seeking an MS or PhD in Biochemistry with 2-4 years of experience in the area of enzymology. Responsibilities will include designing and performing kinetics studies in different enzymatic assays, as well as evaluation/prioritization of lead compounds. Broad knowledge of protein biochemistry, structure-activity-relationship and organic chemistry would be desirable.

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**Weyerhaeuser Company**

**Environmental Forestry Research and Development**

**Opportunities for Employment**

Weyerhaeuser Company is recruiting five technical specialists to conduct cumulative effects assessments in watersheds in Oregon. These specialists will work both independently and as a team to: (1) identify watershed sensitivities to forest management activities, (2) work with forest land managers to develop prescriptions appropriate to address the identified sensitivities, and (3) lay the foundation for effectiveness monitoring programs that follow the implementation of these prescriptions. The primary focus of the team will be to complete the watershed analyses. Team members will also be involved in development and testing of new approaches to watershed assessment.

The five positions to be filled are: (1) a slope stability geomorphologist, (2) a stream channel geomorphologist, (3) a soil scientist, (4) a fish biologist and (5) a riparian/hydrology specialist. The team and one technical assistant will be headquartered at the Weyerhaeuser facilities in Springfield, Oregon. The team will work together to complete level 2 resource assessments in each watershed, consistent with methods and procedures described in Washington's Watershed Analysis Manual, version 2.1 (available from Weyerhaeuser and the Washington State Department of Natural Resources). Each team member will be responsible for performing all work necessary to achieve the objectives outlined in the Module they are assigned to, plus additional team duties as needed.

These are full-time positions. The starting date is mid to late February 1995.

**Special Qualifications and Abilities**

- Minimum B.S. or equivalent experience. M.S. desired in one of specialized fields.
- Knowledge of forest practices and resource issues in the Pacific Northwest.
- Ability to work effectively as a member of a team of technical specialists, with a full workload and a tight schedule.
- Ability to work openly and cooperatively with individuals from a wide range of occupations and technical expertise.
- Ability to set priorities and complete projects on schedule.
- Physical ability to work in forested hillslopes and streams of semi-remote areas.
- Knowledge of physical and biological processes in watersheds and how they interact.
- Experience in applied research.
- GIS knowledge and experience desired.
- A valid driver's license.
- Drug screen required.

To apply for any of these opportunities, send resume/cover letter by February 3, 1995 indicating position of interest to: Staffing Coordinator, Weyerhaeuser Technology Center (WTC 1G42), Tacoma WA 98477
POSITIONS OPEN

The Chesapeake Biological Laboratory (CBL), of the University of Maryland Center for Environmental and Estuarine Studies (CEES), announces a postdoctoral position (POSTDOCTORAL INVESTIGATOR) for an Environmental Toxicologist. We seek an aquatic toxicologist who uses experimental approaches to understand mechanistic responses as they relate to population-level processes. This individual will be part of our programs in aquaculture research needed to implement ongoing environmental research programs especially with our toxicology, fisheries, and ecology programs. We are interested in progressing the effects of sublethal stresses on reproduction, growth, survival, and resultant population dynamics of marine organisms. The position is for 12 months and is renewable for one year. Applicants should submit a statement of research expertise and accomplishments, curriculum vitae, publications, and names of four references. Applications received before February 28, 1995, will be given full consideration; however, the search will remain open until a suitable candidate is found. Please submit inquiries and applications to: Chair, Environmental Toxicologist Search Committee, University of Maryland System, Chesapeake Biological Laboratory, P.O. Box 38, Solomons, MD 20688.

Chesapeake Biological Laboratory is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION BIOLOGICAL CONTROL, UC BERKELEY

POSTDOCTORAL POSITION available immediately to study Trichogramma augmentation against the codling moth on apple, pear, and walnut orchards in California. A coordinated in-the-field study will be used to examine the ecology and behavior of Trichogramma in orchards and to develop field trials of Trichogramma augmentation. Experience in parasitoid behavior, biological control or orchard entomology desirable. One year appointment with possibility of extension. Send curriculum vitae, statement of research interests and names of three references no later than February 20, 1995, to: Dr. Nick Mills, University of California at Berkeley, Laboratory of Biological Control, 1050 San Pablo Avenue, Albany, CA 94706. An Affirmative Action/Equal Opportunity Employer.

UNIVERSITY OF CALIFORNIA AT LOS ANGELES

Human Gene Therapy Program

Postdoctoral Fellowships

The UCLA Human Gene Therapy Program invites applications for POSTDOCTORAL POSITIONS. Postdoctoral positions are available in the areas of gene therapy of cancer, HIV, hematopoiesis and inborn errors. Fellows will be integrated into a multi-laboratory consortium at the UCLA Gene Therapy Program. Applicants should submit a curriculum vitae, names of references and a statement of past and future research interests to: Dr. Jonathan Menofsky, Ph.D., UCLA Gene Therapy Search Committee, 54-140 CHS, UCLA Medical Center, Los Angeles, CA 90024-1782. Fax: 310-829-7875. UCLA is an Equal Opportunity Employer.

POSTDOCTORAL POSITION HIV RESEARCH

POSTDOCTORAL POSITION available immediately to study cytokine and cytokine antagonist control of HIV replication and immune response. The in vitro research is oriented toward designing therapeutic approaches for in vivo use. A Ph.D. or M.D. degree is required and a strong background in HIV research or molecular biology is highly desirable. Send curriculum vitae and names of three references to: Paul Skolnik, M.D., Division of Infectious Diseases, Tufts University-New England Medical Center, 750 Washington Street, NEmCH 67, Boston, MA 02111. New England Medical Center is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL RESEARCH POSITION, Columbia University, College of Physicians & Surgeons: Molecular biology of oncology and expression of cytokine and cytokine receptor genes. Familiarity with phase dye technology highly advantageous. Salary commensurate with experience. Please send curriculum vitae and names of three references to: Dr. Donald E. Landry, Columbia University, Department of Medicine, 630 West 168th Street, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION DEPARTMENT OF BIOLOGY/EMORY UNIVERSITY

The Angiotensin II Receptor and Phosphorylation

An NIH-funded position is immediately available to study the intracellular signaling initiated by the angiotensin II receptor. The angiotensin II receptor is a G protein-coupled receptor, angiotensin II can stimulate an intracellular cascade of protein phosphorylation. Applicants will be expected to work with graduate students and technicians and to take a substantial role in developing a program investigating angiotensin II mediated signaling. Applicants should have a Ph.D. or M.D. with experience in molecular biology or protein phosphorylation. Send curriculum vitae, reprints and references to: Ken Bernstein, M.D., Room 711 WMB, Emory University, Atlanta, GA 30322.

Emory University is an Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP: Studies on Stromal-Epithelial Interactions in Human Cell Cultures

Project seeks to identify normal mediators of communication and interactions between stromal and epithelial cells and changes that develop during malignant transformation. Preference given to applicants with experience in culture of primary human normal and/or finial human cell lines. Reverse-transcription PCR, signal transduction, cell co-cultivation experience useful. Send letter, curriculum vitae, description of experience and career objectives, and names, addresses, and telephone numbers of three references to: Dr. David G. Kaufman, Department of Pathology (BC095), University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-7825. Preference given to candidates who can qualify for support from an NIH training grant (U.S. citizens and permanent residents). An Affirmative Action/Equal Opportunity Employer. Members of underrepresented minorities and women are encouraged to apply and identify themselves.

Senior POSTDOCTORAL/RESEARCH ASSOCIATE: Position is available immediately to work on the isolation, sequencing and cloning of novel protein/peptide hormones. Candidates must have training and several years of experience in protein/peptide characterization and basic skills in molecular biology. Send curriculum vitae and names of three references to: Dr. N. Ben-Jonathan, Department of Cell Biology, University of Cincinnati Medical School, 231 Bethesda Avenue (ML 521), Cincinnati, OH 45267. Telephone: 513-558-4821; FAX: 513-558-4823. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS are available immediately to study the molecular mechanisms regulating the differentiation and proliferation of hematopoietic stem cells. A strong background in molecular biology and an interest in developmental biology is required. Please send a curriculum vitae and names of the three references to: William H. Fleming, M.D., Ph.D., or Edmund K. Waller, M.D., Ph.D., Stem Cell Biology Lab, Bone Marrow Transplantation Program, Drawer AR, Emory University, Atlanta, GA 30322. FAX: 404-732-3520.

POSTDOCTORAL RESEARCH position available to study the mechanism by which integrin mediated cell adhesion generates signals which control myogenic cell differentiation and participates in the differentiation/apoptosis of prostatic epithelial cells. Interested candidates should send curriculum vitae and names of three references to: David Boettiger, Department of Microbiology, University of Pennsylvania, Philadelphia, PA 19104-6076. Email: boettiger@pobox.upenn.edu. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE: Desire Ph.D. with experience in HIV molecular biology to be a research associate in a laboratory using the porcine picornavirus TGEV as a model for HIV. Person will help direct laboratory-based program involved in studies in humans and primates of natural history of HIV infection, and experience with PCR, cloning, sequencing and other molecular biologic assays with HIV essential. Experience with making vaccinia constructs is also desired. Contact: Lawrence Corey, M.D., University of Washington, c/o Pacific Medical Center—ZB 30, 1200 12th Avenue South, Room 9301, Seattle, WA 98144. The University of Washington is an Affirmative Action/Equal Opportunity Employer.

INVESTIGATOR

The Pulmonary Division of Wayne State University School of Medicine is recruiting for a RESEARCH POSITION at the level of Investigator. Applicants should have a Ph.D. degree in cell biology, biochemistry or molecular biology. Previous research experience in cloning, expression of recombinant proteins and site directed mutagenesis is required. Experience with transgenic mice is desirable. Initial participation in ongoing programs is required. Support is available for independent research depending on qualifications. Reply to: James H. Fisher, M.D., The Detroit Medical Center, Harper Hospital, 3900 John R, 3-Hudson, Detroit, MI 48201. Affirmative Action/Equal Opportunity Employer.

Sienna Biotech, Inc. is seeking specific expertise (M.S./Ph.D.) in metal colloidal chemistry to develop novel applications for analysis of components in serum and receptors on cells. Immunoassay experience in diagnostic industry preferred. POSTDOCTORATES welcome to apply. Please fax or mail your resume to: Dr. Anne Bodner, Director, Research and Development, Sienna Biotech, Inc., 9115 Guilford Road, Suite 180, Columbia, MD 21046. FAX: 301-497-8796; Telephone: 301-497-0007.

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Molecular Biologist/Virologist

A postdoctoral scientist position for either a foreign applicant (Fogarty Visiting Fellowship Program) or a U.S. citizen (intramural Research Training Appointment) is available immediately to study molecular mechanisms of tumorgenesis at the Laboratory of Immunopathology, National Institute of Allergy and Infectious Diseases. Research projects are aimed at identification and characterization of disease genes associated with murine AIDS (MAIDS)-lymphomas and B-cell lymphomas of ecotropic viruses-congenic NFS mice. Experience in molecular biology, especially in genomic- and cDNA-library construction, and less than five years postdoctoral experience are required. Salary range $25,000 - $32,000 will be commensurate with experience.

Qualified and interested candidates should send curriculum vitae and names and addresses of three (3) references to:
Dr. Herbert Morse or Dr. Xiaobel Liao
Laboratory of Immunopathology
NIAID - National Institutes of Health
Building 7, Room 302
7 Center Drive MSC-0760
Bethesda, MD 20892-0760
Phone: 301-496-4436 Fax: 301-402-0077

Applications must be received by February 28, 1995

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California Institute of Technology
Postdoctoral Fellowships
in Earth and Planetary Sciences

The California Institute of Technology announces two fellowships in Earth and Planetary Sciences:

The O.K. EARL POSTDOCTORAL FELLOWSHIP, and the TEXACO POSTDOCTORAL FELLOWSHIP.

These awards are from funds endowed by ORRIN K. EARL, JR. and by the TEXACO PHILANTHROPIC FOUNDATION. Each fellowship carries an annual stipend of $34,000 and offers a research expense fund of $1,000 per year and one-way travel to Pasadena. The duration of each appointment will normally be for two years, contingent upon good progress in the first year, and beginning with the 1995-96 academic year. Fellows are eligible to participate in Caltech’s health and dental program.

These fellowships have been established to support the research of scientists, typically within two years after receipt of the Ph.D. The intent of the program is to identify and support innovative and creative work in the earth and planetary sciences, with particular emphasis on interdisciplinary work. Applicants with training in physics, chemistry, biology or computer sciences are urged to apply. The Caltech faculty is currently active in Geobiology, Geochemistry, Geology, Geophysics, Petrology, Seismology and Atmospheric and Planetary Sciences. It is expected that each fellowship holder will be hosted by a Division professor (designated by the Division Chairman) who will contribute to the fellowship support both financially and by providing intellectual guidance.

Application forms may be obtained by writing to Prof. E.M. Stolper, Chairman, Division of Geological and Planetary Sciences, Mail Code 170-25, California Institute of Technology, Pasadena, California 91125 (email: stover@arms.gps.caltech.edu).

APPLICATIONS MUST BE RECEIVED AT CALTECH BY FRIDAY, MARCH 17, 1995.

Fellowship candidates will automatically be considered for other available postdoctoral positions at Caltech in their fields of interest.

Caltech is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and disabled persons are encouraged to apply.
Flinn Foundation Fellowships in the Mathematics of Biological and Biomedical Systems at the University of Arizona

Applications are invited for graduate fellowships to support studies involving the application of mathematical approaches to research in biological and biomedical areas which will lead to the Ph.D. degree. Participating Ph.D. programs include Applied Mathematics, Ecology and Evolutionary Biology, Molecular and Cellular Biology, Genetics and Physiological Sciences. Fellowship support at competitive levels will be provided by the Arizona-based Flinn Foundation. Fellows will pursue their studies in their chosen degree programs and will be expected to participate, with the other Fellows, in interdisciplinary training activities in mathematics and biology. Broad areas of current research include cardiovascular dynamics, population and epidemiological processes, biological structures, pattern formation, and complexity.

Applicants will be considered for invitation to a workshop on Current Ideas in the Mathematical Sciences, to be held at the University of Arizona, March 4-7, 1995. A session devoted to biological mathematics and provide an opportunity to meet participating faculty. Limited financial support will be available for attendees.

Application for graduate studies at the University of Arizona must be made to the Graduate Admissions Office. Forms are available from the address below. When requesting forms, please state your interest in the Flinn Fellowships in the Mathematics of Biological and Biomedical Systems and which doctoral program(s) interest you. Applications review will begin February 1; therefore, please ensure that complete applications are received as soon as possible.

Flinn Fellowships in the Mathematics of Biological and Biomedical Systems, c/o Program in Applied Mathematics
University of Arizona
Tucson, AZ 85721
Phone (602) 621-2016 or 4664
Email: applmath@ccit.arizona.edu

The University of Arizona is an EEO/AA/ADA Employer.

University of California-Davis Insect Biologist (Mosquito Biology/Medical Entomology)
The Department of Entomology invites applications for a tenure-track faculty position on the Davis Campus and the Directorship of the UC Mosquito Control Research Laboratory at the Kearney Agricultural Center (KAC) (approximately 180 miles south of campus). Appointment will be as the Assistant/Associate/Professor (15% teaching) in the College of Agricultural and Environmental Sciences and Assistant/Associate/Entomologist (85% research) in the Agricultural Experiment Station. Applicants must have a Ph.D. in a biological science with background appropriate to the development of a comprehensive research program in a field relevant to the biology and control of mosquitoes. The successful candidate will be required to present formal courses related to his/her area of specialization as well as contribute to courses in the departmental and campus programs. The successful candidate will be expected to develop a comprehensive research program to develop innovative strategies for understanding and controlling mosquito populations. Permanent state funding is available to this program, including a research staff and operating funds. The successful candidate will be expected to develop extramural and intramural sources of funding from other state and federal sources. Office and laboratory space will be provided on the Davis campus in addition to a completely equipped, modern laboratory at KAC. Salary will be according to the University of California faculty pay schedule for the Assistant/Associate/Professor rank with possibility of adjustment of within-rank steps in recognition of prior accomplishments.

This position is available July 1, 1995. Letter of application, curriculum vitae, transcripts, reprints of published scientific work and the names and addresses of three individuals familiar with the professional accomplishments of the applicant should be sent to Chair, Search Committee, Department of Entomology, University of California, Davis, CA 95616. Open until filled but to assure consideration, applications should be submitted by February 15, 1995.

The University of California-Davis is an equal opportunity/affirmative action employer.

College of Pharmacy
Postdoctoral Positions
Basic Training on HIV and AIDS

Positions are available in an NIH sponsored interdepartmental training program on basic research on HIV and AIDS. Research programs include: J.W. Belmont, Regulation of immune deficiencies; W. Chiu, 3-D analysis of retroviruses; L.A. Donehower, Tumor suppressors; R.A. Gibbs, HIV sequence variation; J.W. Harper, Structure and function of HIV tat and rev; D.E. Lewis, CD8 cells in HIV pathogenesis; S.J. Marrriott, Transcription of HTLV-1; A.P. Rice, Mechanism of HIV tat function; R.D. Rosens, Adhesion molecules and HIV infection; W.T. Shearer, Pediatric AIDS; T.H. Tan, HIV expression and T cell activation; J.S. Butel, Retrovirus (MMTV) LTR ORF protein. Interested candidates should send curriculum vitae and names of 3 references to: Dr. Janet S. Butel, Director of HIV and AIDS Training Program, Division of Molecular Virology, Baylor College of Medicine, Houston, Texas 77030. Fax: (713) 798-5075. Email: jbutel@bcm.tmc.edu.


Yale University School of Medicine and Yale-New Haven Hospital

are seeking an individual to be Chair of the Department of Anesthesiology and Chief of the Anesthesiology Service respectively. The department is comprised of ambulatory, cardiac, general, obstetrical and gynecological and pediatric anesthesiology sections and acute and chronic pain management services. Currently the department has 51 full-time and 31 voluntary faculty and is actively engaged in the training of residents, clinical and research fellows. Candidates should submit their curriculum vitae to: Peter Jatlow, M.D., Chair, Department of Laboratory Medicine, Yale University School of Medicine, 333 Cedar Street, P.O. Box 208035, New Haven, CT 06520-8035 by March 1, 1995.

Yale University is an Affirmative Action/Equal Opportunity employer. Women and minority group members are encouraged to apply.

Yale University School of Medicine and Yale-New Haven Hospital

Professor/Chair Department of Physiology & Biophysics

The University of Alabama at Birmingham Schools of Medicine and Dentistry invite applications and nominations for a tenured professorial position as CHAIR of the Department of Physiology and Biophysics. The person filling this position will assume the leadership of a strong, well-funded, nationally recognized department with major areas of expertise including the fields of membrane transport, neuroendocrinology, and cardiovascular physiology. The CHAIR will have the opportunity to expand the department in new directions. The department presently includes 18 full-time faculty members and a well-established graduate program with 30 trainees.

The applicant must have Ph.D., M.D. or equivalent degree, be internationally recognized for research in any aspect of physiolog-try, have a commitment to graduate and medical education, and have a record of demonstrated leadership in administrative activities. The successful candidate is expected to be an established scientist with a strong on-going, independent, and well-funded research program. Interested applicants should submit a curriculum vitae including the names by April 1, 1995 to: Amy W. Thompson, Director of Administrative Services, University of Alabama School of Medicine, MEB 310F, University Station, Birmingham, Alabama 35294-3293.

An Affirmative Action/Equal Opportunity Employer.
HOURS OF OPERATION

17 February, Friday
SCIENCE CAREER DAY Job Fair- 11:00 am-5:00 pm
Employer/Candidate Registration, Interview Scheduling

18 February, Saturday
Career Development Seminars - 8:30 am-4:00 pm
"How to Give Technical Presentations"
presented by Dr. Paul Antaki, Antaki & Associates, Inc. [8:30-11:45 am]
"Your Personal Marketing Campaign - Insider's Secrets to Finding A Job in Science"
presented by Dave Jensen, Search Masters International, Inc. [12:45-2:15 pm]
"Tactics for Surviving Corporate Downsizing"
presented by Ed Bocko, Jr., ProTran Resources, Inc. [2:30-4:00 pm]
Employer/Candidate Registration - 10:00 am-6:00 pm
Interview Scheduling/Interviews

19 February, Sunday
Career Development Seminars - 8:30 am-5:30 pm
"White Shirts and Birkenstocks: How to Succeed in Today's Biotech Workplace Environment"
presented by Dave Jensen, Search Masters International, Inc. [8:30-10:00 am]
"Projection on Job Outlook in the Biotech Industry"
presented by Ed Bocko, Jr., ProTran Resources, Inc. [10:15-11:45 am]
"Career Change Issues: From Academia to Industry"
presented by Ed Bocko, Jr., ProTran Resources, Inc. [12:45-2:15 pm]
"Resume Writing Seminar and Workshop: Resume Writing/Critique"
presented by Alison French and Greg Stokes, AAAS Human Resources Office [2:30-5:30 pm]
Employer/Candidate Registration - 10:00 am-6:00 pm
Interview Scheduling/Interviews

20 February, Monday
Career Development Seminars - 8:30 am-5:30 pm
"Your Personal Marketing Campaign - Insider's Secrets to Finding a Job in Science"
presented by Dave Jensen, Search Masters International, Inc. [8:30-10:00 am]
"Interview and Presentation Skills"
presented by Alison French and Greg Stokes, AAAS Human Resources Office [10:15-11:45 am]
"Resume Writing Seminar and Workshop: Resume Writing/Critique"
presented by Alison French and Greg Stokes, AAAS Human Resources Office [2:30-5:30 pm]
Employer/Candidate Registration - 10:00 am-6:00 pm
Interview Scheduling/Interviews

21 February, Tuesday
Scheduled Interviews Only - 9:00 am-1:00 pm

DON'T MISS THE AMSIE95 EMPLOYMENT EXCHANGE! THERE IS STILL TIME TO ENROLL!!
For enrollment forms and more information, contact: Kevin M. Bullock, AAAS Employment Exchange, 1333 H Street, NW, Suite 1159, Washington, DC 20005. Or via phone: 202-326-7049; via fax: 202-289-4021; via internet: kbullock@aaas.org. Recruiters wishing to reserve booth space for the SCIENCE CAREER DAY Job Fair should contact Kevin Bullock immediately! Limited space is still available.

Onsite enrollment for the Employment Exchange begins at 11:00 am, Friday, 17 February.
On 17 March, *Science* will publish a special advertising section titled *Careers in Biotechnology and Pharmaceuticals: Beyond Discovery - Science Careers Up and Down the Production Stream*. This is a popular annual advertising section dedicated to biopharmaceutical employment matters with bonus distribution to two U.S. job fairs, one on each coast. This section will explore the exciting next phase of the biotech industry. It will look at how the manufacturing, regulatory, and service sectors of the modern biopharmaceutical company are growing, and it will highlight career paths in areas such as:

- Clinical Trials
- Research and Development
- Regulatory Affairs
- Quality Assurance and Quality Control
- Production and Manufacturing
- Formulations and Chemistry
- Validation

*Careers in Biotechnology and Pharmaceuticals: Beyond Discovery* is a "must-read" section for scientists at every level. Don't miss this chance to be part of one of the biggest and most industry-relevant advertising sections of the year!

**Job Fair Bonus Distributions**

This highly visible issue will be distributed at two job fairs:

- Biotech/Pharmaceutical Job Fair, 24-25 March, La Jolla, California.
- Biotech/Pharmaceutical Job Fair, 28-29 April, Cambridge, Massachusetts.

**Benefits of Full Page Advertisements**

This section is an excellent opportunity for full page advertisers to get extra attention. Full page recruitment advertisements in the 17 March issue will receive placement throughout this career-related special advertising section. Names of the companies or institutions placing full page advertisements will be listed on an index affixed to the covers of the magazines distributed at the job fairs.

**Advertising space reservation deadline:**

28 February 1995

To advertise, call:

In the U.S., Janis Crowley at (212) 496-7704 or fax to (202) 682-0816.

In Europe, Gordon Clark at (+44) 01223 302 067 or fax to (+44) 01223 302 068.
NEW ENGLAND BIOLABS

New England Biolabs, Inc., a world leader in the production of restriction endonucleases and other related products for the recombinant DNA field, is seeking applicants for:

Neural Plasticity/Gene Expression - A postdoctoral level scientist to work in our Cell Signaling Laboratory to study the regulation of neurotransmitter gene expression in cell culture and transgenic animal models. The project will involve analysis of intracellular signaling pathways and transcription factors regulating neuropeptide gene expression. Minimum requirements include a Ph.D. degree in Molecular Biology, Biochemistry, Neuroscience, or a related field with some experience in the molecular biology of signal transduction and gene regulation.

Research Technician - Minimum requirements include a B.S. in Molecular Biology, Chemistry, Biochemistry and some experience in molecular biology and protein biochemistry.

Interested candidates should submit a resume with three references to: Michael Comb, Ph.D.

In addition to a competitive salary, New England Biolabs offers a very generous fringe benefits package. Attendance at meetings, publication of research results and open communication with others are encouraged.

New England Biolabs, Inc.
32 Tozer Road
Beverly, MA 01915-5510
An Equal Opportunity Employer
The International Centre for Research in Agroforestry (ICRAF) is an international research organization supported by the CGIAR Fund and the Consultative Group on International Agricultural Research (CGIAR). Its ultimate purpose is to help mitigate tropical deforestation, land depletion and rural poverty through the better use of trees and shrubs in crop and livestock production systems in humid, sub-humid and semi-arid tropics.

ICRAF is seeking to fill an internationally-recruited senior scientist position of Regional Coordinator for Latin America. The objective of this position is to coordinate and manage ICRAF’s programme in Latin America in collaboration with other international centers, national and regional organizations undertaking agroforestry research and training.

The incumbent will therefore be expected to guide and monitor the output of the various projects in the region, and supervise ICRAF scientific and support staff working in this region. He/she will also ensure a focused, efficient and collaborative development of ICRAF research efforts in Latin America; synthesize research output to develop guidelines for policy and decision makers, and for ICRAF’s participation in the Alternative to Slash-and-Burn Initiative. He/she will actively contribute to fund raising from donors and will also be responsible for ICRAF’s annual programme of work and budget for Latin America. The position will be located in Porto Velho, Rondonia, Brazil.

The successful candidate must have a PhD degree or equivalent with at least 10 years of scientific and practical experience in wildlife or animal husbandry research in Latin America and be a recognised scientist in the region. He/she should have experience of successful collaborative work with Regional, National Institutions and policy makers; demonstrated ability to design, establish and coordinate research programmes. The candidate should have excellent command of English and be fluent in Spanish and/or Portuguese. Teaching experience and/or training and preparation of training material would be an asset. Ability to work in a cross-cultural and multi-disciplinary environment is essential.

Salary and perquisites are highly competitive. Benefits include housing and education allowances, annual leave, personal car and an excellent retirement and health insurance package. ICRAF offers a collegial and gender-sensitive working environment. Initial appointment is for two years, renewable with satisfactory performance.

Applicants are invited to send a detailed curriculum vitae, including date of birth, salary details and the names and addresses of three referees (including telephone and fax numbers or E-mail addresses). All correspondence should be addressed to the Head of Human Resources, International Centre for Research in Agroforestry, P.O. Box 30677, Nairobi, Kenya. Tel: (254-2) 521450; E-Mail: K.Lecuyer@CGNET.COM Fax: (254-2) 52100.

Applications will be considered until 1 April, 1995 or until position is filled.

ICRAF IS AN EQUAL OPPORTUNITY EMPLOYER

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**ATTENTION: NON-U.S. ADVERTISERS!**

**SCIENCE** announces the 1995 pounds sterling rate card! Advertisers not based in the United States may choose to pay in U.S. dollars or pounds sterling.

**SCIENCE** continues its surge in the global marketplace, meeting the needs of advertisers! We are proud of our 71% growth in the non-U.S. market since 1991!

Contact your advertising representative for more information:

- **In the U.S.**, call Janis Crowley at (212) 496-7704, or fax to (202) 682-0816.
- **In Europe**, call Gordon Clark at (44) 0223 302067, or fax to (44) 0223 302068.
- **In Japan**, call Mashy Yoshikawa at (81) 3 3235-5961, or fax to (81) 3 3235-5852.
- **In Australia**, call Keith Sandell at (61) 02 922 2977, or fax to (61) 02 922 1100.

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**NOTICE**

**HUMAN LIVER FOR SCIENTIFIC INVESTIGATION**

**NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES**

The Liver Tissue Procurement and Distribution System (LTPADS) is a National Institute of Health (NIH) service contract to provide human liver from regional centers for distribution to scientific investigators throughout the United States. These USA regional centers have active liver transplant programs with human subjects liver for which the transplant is performed. Therefore frozen or fresh tissue is available from subcontractors for the usual forms of childhood and adult cirrhosis, fulminant liver failure chronic rejection, and certain inborn errors of metabolism. Human pathologic liver prepared according to the investigator’s specifications provides the opportunity to verify if animal liver investigations are relevant to human liver pathobiology. The preparation of these livers has been excellent for the usual molecular biologic techniques for the past eight years. "Normal" liver specimens may be requested, however supply is proportionately much more limited and completion of proposal requests take a longer time than for most pathologic liver specimens. NIH investigators are given preference for identical specimen requests.

Further information and proposal forms for interested investigators can be obtained from:

- Harvey L. Sharp, M.D.
  - Regional Investigator, LTPADS
  - c/o Manke  Ndozi
  - Box 279 UMHC
  - University of Minnesota Hospitals
  - Minneapolis, Minnesota 55455
  - Telephone: (612) 624-1133
  - Fax: (612) 624-2682
Ph.D. Neuroscientist/Cell Biologist, 0-4 years past receipt of Doctorate, with experience in mammalian CNS neuronal development. Experience in cell-surface interactions or material science a plus.

Ph.D. Chemical Engineer, 0-4 years past receipt of Doctorate, with experience in biosensors or cell biology. Experience in surface chemistry or material science a plus.

M.S., B.S. Cell Biologist with 2-4 years experience in rat cortical cell culture.

B.S., B.E. Electrical Engineer with 1-2 years experience in sensors.

Please send complete Curriculum Vitae including publications as well as salary requirements to:

Science Applications International Corporation
1710 Goodridge Drive
Department JHB64
McLean, Virginia 22102

Applicants selected will be subject to a background investigation.

Oceanography Faculty Positions. The Department of Oceanography at Texas A&M University in College Station invites applications for two tenure-track faculty positions available 1 September 1995. We are expanding in the area of interdisciplinary studies, with emphasis on shelf and coastal oceanography. We seek candidates with a Ph.D. degree in the areas of phytoplankton dynamics or biogeochemical processes. Applicants should have interest in sea-going field programs and experience in oceanography that complements our current research activities, summarized on the Internet/Web at URL http://www.ocean.tamu.edu. The Department of Oceanography includes about 45 faculty, 100 graduate students and 130 undergraduate students at the main campus in College Station or the coastal campus in Galveston. The department operates the 55m research vessel Gyre and coastal vessels of various sizes.

With a student body of about 43,000, Texas A&M University ranks among the 10 largest in the United States in enrollment and research expenditures. The Oceanography Department resides in the College of Geosciences and Marine Studies, which is also home to the Geochemical and Environmental Research Group, the Ocean Drilling Program, the Texas Institute for Oceanography, the Texas Center for Climate Studies, the Sea Grant program, and the Texas State Maritime Program.

The positions carry nine months per year of State salary support. Successful candidates will be encouraged to excel in teaching in their specialty areas and in general oceanography, and in addition develop vigorous interdisciplinary research programs with extramural funding. We expect to fill the positions at the assistant professor level but will consider exceptions. We actively seek women and minority candidates. A partner placement program is available. To apply, send a current curriculum vitae, a description of research and teaching interests, and the names and addresses of three professional references to: Department of Oceanography Search Committee, Texas A&M University, College Station, TX 77843-3346. The Search Committee will begin screening candidates on 1 March 1995.

Texas A&M University is an equal opportunity affirmative action employer.

ASSOCIATE RESEARCH SCIENTIST
COLUMBIA UNIVERSITY

The Columbia-Presbyterian Cancer Center of Columbia University's Health Sciences Division is seeking an individual with experience in all aspects of transgenic technology to operate a core facility for the production of transgenic and chimeric mice, under the supervision of Dr. Frank Costantini. Expertise in both DNA and cell microinjection, and embryonic stem cell culture, is required, as is the ability to assist investigators with experimental design and interpretation. The applicant should have a Ph.D. and two years of relevant postdoctoral experience, although qualified individuals with a Master's degree and extensive experience will be considered. Send letter of application, including curriculum vitae and names of three references to Corrine Constantine, Columbia-Presbyterian Cancer Center, 630 West 168th Street, PH 18-200, New York, NY 10032. EOE

Grinnell College is accepting applications for a two-year appointment and a one-year leave replacement position in Biology. ASSOCIATE PROFESSOR preferred, ASSOCIATE PROFESSOR possible. Beginning in August, 1995. Ph.D. required. Post-doctoral experience preferred. Excellent facilities and financial support for student-faculty research are available. Letters of application should address interest in undergraduate teaching in a liberal-arts environment.

BIOLOGIST. Two-year (third year possible) appointment. Broadly trained and able to teach two introductory biology courses, "Structure and Function of Organisms" and "Evolution and Ecology", non-majors environmental science course, and an advanced course. Send curriculum vitae, three letters of recommendation and copies of all transcripts to Lenore Durkee, Biology Search Committee, Department of Biology, Grinnell College, Grinnell, IA, 50112-0806 (durkeel@ac.grin.edu, fax 515-269-4285). To be assured of full consideration, applications must be complete by March 20, 1995.

ANIMAL PHYSIOLOGIST. One-year sabbatical-replacement position. Ability to teach an upper-level course in animal physiology and an introductory course in the organismal biology of plants and animals. Send curriculum vitae, three letters of recommendation and copies of all transcripts to: Clark Lindgren, Animal Physiologist Search Committee, Department of Biology, Grinnell College, Grinnell, IA 50112-0806 (LINDGREN@ac.grin.edu, fax 515-269-4285).

To be assured of full consideration, applications must be complete by March 1, 1995.

Grinnell College

Grinnell College is an Equal Opportunity, Affirmative Action employer and especially seeks women and minority candidates.
RAISA, a five year broad spectrum research project by the National Research Council of Italy, reaffirming the scientific interest of the former scheme, has the pleasure to offer senior scientists from abroad the opportunity to work, for a period of 3-11 months, in any Italian Institution affiliated to the project. RAISA activities are carried out by some hundred research teams, structured into four Subprojects:

- SP1 agricultural systems and environment;
- SP2 biotechnologies in crop production;
- SP3 biotechnologies in livestock production;
- SP4 biotechnologies in agricultural produce and by-product processing.

The main goal is to acquire the basic knowledge to foster the evolution of the Agricultural System toward a more equitable farmers’ income, more sustainable exploitation of resources, better fulfillment of consumers’ preference and nutritional demand.

A list of research trusts and teams is available upon request. The gross salary is from 3.0 million Lit. per month, according to the qualification, plus economy return ticket from home Institution to Italy.

Applicants should present a research proposal of about 3 pages, with their application, CV, and a letter of acceptance from a RAISA host team, to: C.N.R. P.F. RAISA, Fellowship Program, Via Tiburtina 770, I 00159 Rome, Italy. Facsimile (+39 6) 4075883.

Deadline for receipt of applications is February 28th, and successful candidates will be notified in March: they are expected to start their research in Italy within 1995.
Applications are invited for appointments as Junior Research Fellows, Research Fellows and Principal Investigators.

The Institute of Molecular Agrobiology (IMA) was recently established by the National Science and Technology Board under the parentage of the National University of Singapore. Its mission is:

To spearhead agricultural research at the genetic and molecular levels to establish Singapore as a world-class centre for agrotechnology industries.

The Institute wishes to set up about 20 independent laboratories focusing on, but not limited to, the following research areas:

- **Plant Cell Biology**
- **Plant Developmental Biology**
- **Virul, Bacterial and Fungal Pathogens of Plants**
- **Defense Mechanisms of Plants**
- **Yeast Molecular Genetics**
- **Fish Developmental Biology**
- **Fish Immunology**
- **Mechanisms of Pathogenesis in Fish**
- **Animal Cytokines**
- **Poxviruses and Insect Viruses**
- **Genome Analysis**
- **Mechanism of Pathogenesis in Animals**

Gross annual emoluments range as follows:

- **Junior Research Fellow (Doctoral Students)**: $S$18,570 - 35,970
- **Research Fellow (Postdoctoral Fellows)**: $S$55,910 - 71,400
- **Principal Investigators**
  - **Senior Scientist**: $S$65,200 - 122,820
  - **Associate Professor**: $S$108,820 - 151,480

The commencing salary will depend on the candidate’s qualifications, experience and the level of appointment offered. In addition, a 13th month Annual Allowance (of one month’s salary) and an Annual Variable Component (of normally 2 months’ salary) are payable at year end, under the flexible wage system, to staff on normal contracts. Leave, medical and other benefits will be provided.

Principal Investigators who will be heads of independent laboratories will be appointed at the rank of Associate Professor or Senior Scientist (equivalent to Assistant Professor), depending on experience. Teaching responsibilities are modest and limited to graduate level. Investigators using innovative approaches to explore the mechanisms of basic biological processes in model organisms (e.g. Arabidopsis and zebrafish) are encouraged to apply.

Depending on qualification and seniority, Principal Investigators will be provided with up to 5 fully funded postdoctoral positions.

Applications for positions of **Principal Investigators** should include a copy of the curriculum vitae, a brief description of past research experience and accomplishments, the proposed research programme at IMA and names of three to five referees and those for positions of **Research Fellows** and **Junior Research Fellows** should include a copy of the curriculum vitae along with the names of three referees. **Junior Research Fellows** are expected to enroll in the University’s PhD programme.

Applications should be sent to the following address: **The Acting Director, The Institute for Molecular Agrobiology, c/o Dean’s Office, Faculty of Science, National University of Singapore, Lower Kent Ridge Road, Singapore 0511**

Enquiries may also be sent through INTERNET to: zookhw@nuss.sg, or through Telefax: (65) 7774279

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**THE UNIVERSITY OF THE WEST INDIES**

St. Augustine, Trinidad

**LECTURER/ASSISTANT LECTURER IN BIOCHEMISTRY**

Applicants should have a first degree in Medicine, Biochemistry, Molecular Biology or Microbiology as well as a PhD in Biochemistry/Molecular Biology and research experience.

**ANNUAL SALARY RANGES**: (Medical): Lecturer $TT$78,064 - $TT$86,880 (B) - $TT$100,824; Assistant Lecturer $TT$65,412 - $TT$69,540 plus an Institutional Allowance ranging from 10% to 30% of basic salary depending on post. (Non-Medical): Lecturer $TT$67,056 - $TT$79,440 (B) - $TT$95,456; Assistant Lecturer $TT$92,560 - $TT$96,628; Special Allowance (Medical and Non-Medical): Lecturer Below Bar $TT$1,680 per annum. Above Bar: $TT$3,024 per annum. (£1 = $TT$8.84; US$1 = $TT$5.92).

Passages, Pension, Housing Allowances, Study and Travel and Book Grants.

Applications naming three referees and detailing qualifications and experience to the Registrar, The University of the West Indies, St Augustine, Trinidad (fax [1 809] 663 9684) as soon as possible.

Further particulars will be sent to all applicants and are also available from the Appointments Department, Association of Commonwealth Universities, 56 Gordon Square, London WC1H 0PF, UK (tel. 0171 587 8572 ext. 206; fax 0171 383 0368; email appxs.acu@ucl.ac.uk).
Science Advertising Calendar of Events

Mark Your 1995 Calendar for These Exciting Advertising Opportunities

27 January
Bonus Distribution to the Biotechnology/Pharmaceutical Job Fair in San Francisco, California, 3-4 February 1995.
Bonus distribution to nearly 1,000 scientists at the ’95 Miami Bio/Technology Winter Symposia, 5-6 February 1995.

3 February
Editorial Focus, Gordon Research Conference. Scientists look to the Gordon Research Conference issue when planning their attendance at these acclaimed sessions.

10 February
Bonus Distribution to the AAAS Annual Meeting in Atlanta, Georgia, 17-20 February 1995. Over 3,500 scientists from around the globe will attend.

24 February
Special Advertising Section, Euroscience at Work: Career Opportunities in European Biotechnology and Pharmaceuticals. SCIENCE explores the life sciences career market in Europe and tells readers where to find the best career opportunities. Full page recruitment ads will be positioned with the editorial. Fractional advertisements for positions outside the U.S. will be placed under a Global Careers Banner in the classified section.

3 March
Bonus Distribution to the Biotechnology/Pharmaceutical Job Fair, 10-11 March, New Jersey.
Bonus Distribution to the American Physical Society meeting, 22-24 March, San Jose, California.

10 March
Editorial Focus, Molecular Biology: Cellular Regulation I.
Bonus Distribution to attendees at the American Association for Cancer Research meeting, 19-21 March, Toronto, Canada.
Bonus Distribution to USGEB, 30-31 March, Fribourg, Switzerland.

17 March
Special Advertising Section, Careers in Biotechnology and Pharmaceuticals: Manufacturing & Regulatory Affairs.
Bonus Distribution to two Biotechnology/Pharmaceutical Job Fairs:
24-25 March, La Jolla, California and 28-29 April, Cambridge, Massachusetts.

24 March
Bonus Distribution to the American Chemical Society, 3-5 April, Anaheim, California.

31 March
Editorial Focus, Frontiers in Materials Science.
Bonus Distribution to the Materials Research Society meeting, 18-20 April, San Francisco, California.

For Recruitment Advertising:
Call (202)326-6541, FAX (202)682-0816.

For Product Advertising:
Call (202)326-6542, FAX (202)682-0816.

Advertising Internet Address:
science_classifieds@aaas.org
RESEARCH ASSOCIATE
Reproductive Biologist
Ph.D. with at least three years of experience in tissue culture, radioimmunoassay, and molecular biology procedures utilizing fetal tissues and placenta, myometrium and cervix. Experience with time series, spatial analyses, wavelets and nonlinear techniques essential. Ph.D. in statistics or mathematics required. Excellent benefits. Please send resume to: Dr. Elliot Rosen, Head of Section Research, Department of Radiation Oncology, Long Island Jewish Medical Center, 11040. Long Island Jewish Medical Center is the Long Island Campus for the Albert Einstein College of Medicine. An Equal Opportunity Employer.

POSTDOCTORAL RESEARCH SCIENTIST: Position available for a Molecular Biologist to study the molecular mechanisms by which scatter factor (hepatocyte growth factor) and the c-met receptor function in biological and pathological processes. Ph.D. in biological sciences with experience in molecular biology required. Competitive salary and benefits program. Please send resume to: Dr. Elliott Rosen, Head of Section Research, Department of Radiation Oncology, Long Island Jewish Medical Center, 11040. Long Island Jewish Medical Center is the Long Island Campus for the Albert Einstein College of Medicine. An Equal Opportunity Employer.

MATHEMATICAL STATISTICIAN
To join in national collaborative study at a major medical school in New York. The work is focused on the statistical analysis of event related brain potentials in humans. Experience with time series, spatial analyses, wavelets and nonlinear techniques essential. Ph.D. in statistics or mathematics required. Faculty appointment possible. Salary $38,000 to $45,000. Excellent benefits. Please send resume to:

Dr. Henri Begleiter
Department of Psychiatry
SUNY Health Science Center at Brooklyn
450 Clarkson Avenue, Box 1203
Brooklyn, NY 11203
718-270-2024 718-270-4081 FAX
An Equal Opportunity Employer.

ENDOCRINOLOGY, DIABETES AND HYPERTENSION
The School of Medicine at University of Southern California seeks applicants for PHYSICIAN/SCIENTIST track in Medicine, Division of Endocrinology, Diabetes and Hypertension. Rank: Assistant to Full Professor, M.D. or M.D./Ph.D. with preparation in molecular cellular biology, preferred minimum of five years of full-time teaching/research experience. For more information, send inquiries and curriculum vitae to: Dr. William H. Hasch, M.D., Professor of Medicine, Chief of Endocrinology, Diabetes and Hypertension, LAC + USC Medical Center, 1200 North State Street, Room 8250, Los Angeles, CA 90033.

BIOCHEMISTRY/CELL BIOLOGY
RESEARCH SCIENTIST position available requiring a strong background in organic and inorganic chemistry. Experience in polymer syntheses required. Ph.D. or equivalent. Excellent benefits. Please send resume to:

Dr. Harold R. Miller
Department of Medicine
1120 North State Street, Suite 421
Chicago, Illinois 60610

POSITIONS OPEN
RESEARCH ASSOCIATE
The Division of Infectious Diseases, University of Pittsburgh School of Medicine, is currently seeking an outstanding applicant for a RESEARCH ASSOCIATE to investigate the molecular basis of HIV drug resistance. Candidates should have a Ph.D. or equivalent, full-time, non-tenured track position (salary range $25,000-$35,000). Send curriculum vitae and names of three references to: John Mellors, M.D., 403 Parnassus Hall, University of Pittsburgh, Graduate School of Public Health, 130 DeSoto Street, Pittsburgh, PA 15261. FAX: 412-883-8926. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.

R.S. DOW NEUROLOGICAL SCIENCES INSTITUTE
Basic discoveries of the nervous system leading to improved care.

RESEARCH ASSOCIATE
The S.W. Dow Neurological Sciences Institute is opening a new position in the field of subcellular and cellular neurobiology. The Institute is committed to a strong interdisciplinary research environment. Candidates with research interests in the fields of biochemistry, molecular biology, pharmacology, and cell biology are encouraged to apply. Generous start-up funds, equipment availability and level of appointment will depend upon research accomplishments.

Candidates should submit curriculum vitae, three letters of reference, and a brief statement of research goals by March 15, 1995, to: Neurobiology Research Search Committee, R.S. Dow Neurological Sciences Institute, 1120 N.W. 20th Avenue, Portland, OR 97209. An Equal Opportunity Employer.

The Seattle Biomedical Research Institute (SBRI) invites applications for SENIOR or STAFF SCIENTIST positions with corresponding appointments as Regular or RESEARCH ASSISTANT or ASSOCIATE PROFESSORS in the Department of Pathobiology at the University of Washington-Downe. Applicants must have an independently funded research program on pathogens and/or host systems with which they interact and be willing to participate in graduate student training. The applicants' research should examine host cell processes that are perturbed by pathogens, mechanisms of pathogenesis or properties of pathogens or hosts that can be exploited to develop disease control measures. Please send curriculum vitae, statement of proposed research and three recommendation letters to: SEARCH COMMITTEE, SBRI, 411 12th Avenue, Suite 409, Seattle, WA 98109-1651. Closing Date: 15 February 1995. The UW is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. SBRI and UW are Equal Opportunity/Affirmative Action Employers.

 Eyes on the future of endocrinology, diabetes and hypertension. How can you help? Contact Doctor E. Hasche, Department of Medicine, University of Southern California, 1200 North State Street, Room 8250, Los Angeles, CA 90033.

POSITIONS OPEN
UNDERGRADUATE RESEARCH
Several paid RESEARCH POSITIONS are available to minority undergraduates during summer 1995. Students will participate in ongoing biological research at the University of Oregon on topics involving evolution, genetics, development, molecular biology, population and conservation biology. These positions are funded as part of a NSF Training Grant on the Genetic Mechanisms of Evolution. To apply, send letter of application, transcript, resume including statement of interests, and two letters of recommendation to: Summer Program for Undergraduate Research, Department of Biology, University of Oregon, Eugene, OR 97403. The University of Oregon is an Affirmative Action/Equal Opportunity Employer committed to cultural diversity and compliance with the Americans with Disabilities Act.

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POSTDOCTORAL POSITIONS (Ph.D. or M.D.) are available for two years of specialized training in the methods and models of cellular biology. This program is directed by a consortium which includes The Medical College of Pennsylvania and Hahnemann University (Dr. V. J. Cristofalo, E. Friedman and J. Roberts), Thomas Jefferson University (Dr. R. Baas), Merck, Sharp and Dohme Research Labs (Dr. W. W. Nichols), Temple University (Dr. N. Duker) and the Wistar Institute (Dr. E. Kritchewski). Research emphases include: cell cycle kinetics/dynamics; growth factor regulatory mechanisms; growth/senescence regulatory genes; cellular transformation and immortalization, regulation of gene expression; DNA repair; cytogenetic aspects of cell senescence/immortalization; nutrition, aging and cancer; stochastic; stochastic; subcellular localization; cardiovascular physiology/pharmacology and adren al neurotransmission. Minority candidates are especially encouraged to apply. Only those who meet National Research Service Award citizenship requirements are eligible. Address applications (curriculum vitae, three letters of recommendation and graduate school transcripts) to: Vincent J. Cristofalo, Ph.D., Audrey Meyer Mars Professor and Director, Center for Gerontological Research, The Medical College of Pennsylvania and Hahnemann University, 2900 Queen Lane, Philadelphia, PA 19129.

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