POSITIONS OPEN

ASSISTANT PROFESSOR

PHYSIOLOGICAL ECOLOGY

The Biology Department of Gonzaga University invites applications for a tenure-track position in physiological ecology. Gonzaga is a competitive, liberal arts, comprehensive University in the inland Northwest. Applicants should have a Ph.D. in biology and preferably have postdoctoral training and some experience in teaching and commitment to teaching in a traditional liberal arts setting. Research is also expected to be an integral part of our training opportunities. The development of a research program and the involvement of undergraduates is required and the successful candidate will be expected to compete for extramural funding. Teaching assignments will include lower-division courses in the area of ecology as well as comparative physiology and participation in introductory courses for both majors and non-majors. Teaching responsibilities begin September 1993, but the appointment may be initiated as early as June 1, 1993, to facilitate establishment of research and participation in an NSF-funded summer program for high school students interested in research and teaching interests, recent reprints and three letters of recommendation by January 8, 1993, to:

Dr. Robert D. Prosch, Chairman
Biology Department
Gonzaga University
Spokane, WA 99258

Gonzaga University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF BIOLOGY

DePauw University invites applications for the ASSISTANT PROFESSOR position at the ASSISTANT PROFESSOR level beginning August 1993. Ph.D. required. Primary duties include teaching introductory zoology, developing upper-level courses in ecology and in other areas of interest, and supervising undergraduate research. DePauw is a liberal arts institution dedicated to involving undergraduates in research. Summer 1993 the department will be housed in new Olin Biological Sciences building. Review of applications begins January 5, 1993. Please send curriculum vitae, synopsis of teaching and research interests, begin, September, 1993, but the appointment may be initiated as early as June 1, 1993, to: Dr. Wade Hazel, Department of Biology, DePauw University, Greencastle, IN 46135. Affirmative Action/Equal Opportunity Employer. Women and minorities encouraged to apply.

FACULTY/RESEARCH POSITIONS

The University of Puerto Rico Medical School, a fully accredited research and teaching institution, invites applications for two tenure-track faculty positions in biology. The positions are open, in cell/integrative physiology; two ASSISTANT PROFESSOR positions for molecular biologists with research interests related to physiology or pharmacology. Two RESEARCH ASSOCIATE positions are also available for persons with training in cellular physiology/pharmacology and interest in any of the following research areas: gap junctions, intracellular signalling, secretory processes, oxygen biology, membrane transport, mesangial cell function. Send applications, including curriculum vitae and names of three references, to: Dr. Susan Opava-Stitzer, RCMI Program Director, University of Puerto Rico Medical Sciences Campus, PO Box 365067, San Juan, PR 00936-5067.

ASSISTANT PROFESSOR, GENETICS

Department of Biochemistry, University of Alabama at Birmingham. Several tenure-track faculty positions are available in 1993. Areas of particular interest include chromosomal structure and function, transcriptional regulation, RNA processing and control of development in lower and higher eukaryotes; however, outstanding candidates in any area of genetics are encouraged to apply. Successful candidates are expected to be well-trained in genetics and develop a productive research program. Send curriculum vitae, a brief statement of present and future research interests, a list of publications and the names/addresses of three referees by January 31, 1993 to: Dr. Tim Townes, Search Committee Chairman, Department of Biochemistry, Schools of Medicine/Dentistry, University of Alabama at Birmingham, Birmingham, AL 35294. An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

THE UNIVERSITY OF ALABAMA AT BIRMINGHAM (UBA)

The Department of Cell Biology in the schools of Medicine and Dentistry at UAB is seeking a eukaryotic molecular biologist to fill a tenure-track faculty position at the ASSISTANT PROFESSOR level. Applicants should have a Ph.D. or equivalent degree, postdoctoral experience, excellent qualifications for teaching at Undergraduate and Graduate levels, and a strong commitment to training Ph.D. candidates in the area of molecular biology. Research emphasis will be on areas of cell biology and genetics, with an expected salary of $25,000-$30,000 per year. Applications, including the names and addresses of three references, should be sent to: Dr. Richard B. Marchase, Department of Cell Biology, The University of Alabama at Birmingham, Birmingham, AL 35294-0005

The University of Alabama at Birmingham is an Equal Opportunity/Affirmative Action Employer.

PLANT CELL BIOLOGIST

UNIVERSITY OF WISCONSIN–MADISON

The Department of Botany at the University of Wisconsin–Madison invites applications for a tenure-track faculty position at the ASSISTANT PROFESSOR level to become available in January of 1994. We seek an individual who applies techniques of biochemistry, genetics, and molecular biology to the study of significant problems in plant cell biology and who has a strong commitment to teaching at both the undergraduate and graduate levels. The position includes the possibility of participation in a campus-wide Arabidopsis training grant as well as training grants in molecular and cell biology, genetics, and/or biotechnology. Applications should submit a letter of application, complete curriculum vitae, and statements of research plans and teaching interests to: Professor Wayne Becker, Chair, Search Committee, Department of Botany, Biological Sciences Building, University of Wisconsin, Madison, Wisconsin 53706. Applications should also be arranged for three letters of reference to be sent to the same address. Applications received by January 8, 1993 will be assured of consideration. The University of Wisconsin–Madison is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities. Unless confidentiality is requested in writing, information regarding the applicants must be released upon request. Finalists cannot be guaranteed confidentiality.
Listed below are a few of the excellent opportunities for conducting research that are now available with leading scientists at the National Institutes of Health.

**Regulation of Gene Expression**
**Michael Brenner, PhD**

The factors involved in the regulation of gene expression in the central nervous system are being examined using *in vitro* transfection, cell transfection, and transgenic mice. Current studies focus on *gfa*, a gene responsible for encoding an intermediate filament protein found primarily in astrocytes. Experience in molecular biology, biochemistry, or cell culture is desirable. Laboratory of Molecular Biology (OE-23), NINDS, Building 36, Room 3D02.

**Guanine Nucleotide-binding Proteins**
**Martha Vaughan, MD**

Mechanisms of action of guanine nucleotide-binding proteins are studied using a broad range of techniques. Emphasis is placed on elucidating the roles of these proteins in transmembrane signaling, protein trafficking, and the effect of bacterial toxin ADP-ribose-transferases on G protein function. Experience in molecular biology or biochemistry is preferred. Laboratory of Cellular Metabolism (OE-23), NIDDK, Building 10, Room 5N307.

**Molecular Determinants of Drug Sensitivity**
**Robert H. Shoemaker, PhD**

The expression of genes which may serve as determinants of tumor cell response to anti-cancer drugs is being studied. Both conventional chemotherapeutic drugs and new agents emanating from natural product screening efforts are being evaluated. Experience in molecular biology is required. Laboratory of Drug Discovery Research and Development (OE-23), NCI-FCRDC, Building 1052, Room 121, Frederick, Maryland 21702-1201.

**Molecular Hematopathology**
**Mark Raffeld, MD**

Molecular biological approaches are being used to study the molecular pathogenesis of lymphoproliferative diseases and tumor progression. The position includes responsibility for developing the laboratory's clinical molecular pathology unit where molecular approaches for diagnosing lymphomas and other neoplasms are being evaluated for potential clinical use. Laboratory of Pathology (OE-23), NCI, Building 10, Room 2N110.

**Neuropharmacology**
**Joseph M. Masserano, PhD**

Neurotransmitter systems in both human and animal tissues are being studied using neurochemical and molecular biological techniques to understand the biochemical nature of schizophrenia and other neuropsychiatric disorders. Candidates should have experience in neuropharmacology, neurobehavior, biochemistry or molecular biology and have less than three years of postdoctoral experience. Laboratory of Neuropsychiatry (OE-23), NIMH, Neuroscience Center at St. Elizabeths, 2700 Martin Luther King Avenue, SE, Washington, DC 20032.

**Tumor Suppressor Genes**
**B. Zbar, MD and Michael Lenman, MD, PhD**

Positional cloning is being used to identify genes that predispose to human renal cell carcinoma. Emphasis is on von Hippel-Lindau disease, a multi-system neoplastic disease. This project involves identification and characterization of families with hereditary urologic malignancies, the use of linkage analysis to locate disease genes and gene isolation and characterization. Background in biochemistry or molecular biology is preferred with less than five years of postdoctoral experience. Candidates must be U.S. citizens or permanent residents. Laboratory of Immunobiology (OE-23), NCI-FCRDC, Building 571, Room 12-71, Frederick, Maryland 21702.

**Additional Postdoctoral Fellowship Opportunities**

For an on-line listing of additional postdoctoral openings you may access the NIH EDNET Bulletin Board's POSTDOC conference via modem (1,3014922221 or 1,8003582221). The settings for modem access are "7,Even,1". When connected to NIH, type in ",vt100" at the connect message, "PSE" at initial, and "AJLI" at account.

Those interested in receiving information on other postdoctoral opportunities in NIH research laboratories, as well as information on clinical training opportunities, may contact the Office of Education, Building 10, Room 1C129. Phone: 301-496-2427.

**To Apply**

If you hold a PhD, MD, or equivalent degree 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.
POSITIONS OPEN

GEOHYDROLOGY UNIVERSITY OF COLORADO, BOULDER

The Department of Geological Sciences is recruiting for a tenure-track faculty position in geohydrology (ground water and hydrology). The ASSISTANT PROFESSOR preferred, but candidates at all levels will be considered.

For a complete description interested parties should contact the Geohydrology Search Committee, Department of Geological Sciences, University of Colorado, Boulder, CO 80309-0250; Telephone: 303-492-8141. Initial applications will begin on February 28, 1993, and will continue until the position is filled.

The University of Colorado at Boulder has a strong institutional commitment to the principle of diversity. In that spirit, we are particularly interested in receiving applications from a broad spectrum of people, including women, members of ethnic minorities, and disabled individuals.

ENVIRONMENTAL MICROBIOLOGIST TENURE-TRACK

The Department of Biological Sciences, University of Cincinnati, is seeking applications for a tenure-track position at the ASSISTANT PROFESSOR level, starting September 1993. We are a comprehensive state university, with an enrollment of approximately 56,000 students. The department has 35 full-time faculty and 83 graduate students. We are seeking a person who will complement an already strong program in the department, with a primary focus in microbial ecology, biochemistry and/or microbial physiology. The successful candidate will be expected to develop a vigorous, externally funded research program and to teach undergraduate and graduate courses in microbial ecology. The position requires a Ph.D. with postdoctoral experience. Applicants should submit as soon as possible, but not later than 4 January 1993, a curriculum vitae, a statement of teaching interests and future research plans, and arrange to have three letters of recommendation sent to:

Dr. Richard D. Karp Environmental Microbiologist Search Committee Department of Biological Sciences Mail Location #006 University of Cincinnati Cincinnati, OH 45221

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

ASSISTANT PROFESSOR NEUROBIOLOGY

The Department of Anatomy & Neurobiology, University of Kentucky, invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. The position requires a Ph.D. degree with appropriate postdoctoral experience and publications. One position is for a developmental neurobiologist who can integrate molecular and cellular mechanisms in the developing nervous system with behavioral and/or molecular approaches in the area of excitatory amino acids with particular emphasis on glutamatergic systems. Research in the department includes determining how structure regulates function and/or cellular processes in the developing nervous system. The successful candidate will be expected to develop a vigorous, externally funded research program that is distinct from the research program of the mentor. A Ph.D. is required, but postdoctoral experience is preferred. The position will begin on September 1, 1993, and two applications are due. Interested candidates should submit a curriculum vitae, statement of current and future goals, repre- sentative reprints and names and addresses of three references to the Chair of the Search Committee, Department of Anatomy & Neurobiology, University of Kentucky, Lexington, KY 40536–0840. University of Kentucky is an Affirmative Action/Equal Opportunity Employer.

CELLULAR PHYSIOLOGIST

University of Tennessee, Knoxville (UTK)

The Department of Zoology, University of Tennessee, Knoxville, invites applications for a tenure-track position at the ASSISTANT PROFESSOR level, beginning August 1993. The successful candidate will have a Ph.D. degree in cellular physiology. The position requires a Ph.D. with postdoctoral experience. Applicants should submit as soon as possible, but not later than 15 March 1993, a curriculum vitae, a statement of research goals, statement of teaching interests, and arrange to have three letters of recommenda- tion sent to:


FACULTY POSITION IN NEUROSCIENCE

A TENURE-TRACK faculty position is available in the Department of Neuroscience at the Virginia Health Sciences Center. We are seeking to recruit an individual at the ASSISTANT PROFESSOR level with expertise in cellular and molecular neuroscience. The position requires a Ph.D. degree in cell biology, a commitment to teaching excellence and the promise of research. Responsibilities include teaching courses in anatomy and neurobiology, and supervision of student research. Applicants should submit a letter of application, curriculum vitae, three letters of recommendation (including comments on teaching effectiveness), a current statement of teaching philosophy and an outline of future research plans to:

Dr. Bruce B. Criley, Chairman, Department of Biology, Illinois Wesleyan University, Bloomington, IL 61702–2900. Illinois Wesleyan is an Equal Opportunity Employer; women and minorities are encouraged to apply.

OHIO UNIVERSITY ASSISTANT PROFESSOR—VIROLOGY

Applications are being accepted for this tenure-track position available September 1, 1993 (pending adequate funding). We seek a medical virologist to participate in the virology and molecular biology laboratories. The position requires a Ph.D. and postdoctoral experience are required, previous teaching experience in medical virology is desirable. Research area is virology. The department has 50 faculty members, 75 graduate students and good research facilities. Ohio University has approximately 24,000 students. The department has 50 faculty members, 75 graduate students, including an orthopaedic medical school with 100 students in each class. Athens is located in the foothills of rural southeastern Ohio where costs of living are moderate. Please send curriculum vitae, statement of research and teaching interests, a few representative publications and three letters of recommendation by 22 January, 1993, to: Dr. Paula Dehn, Chair, Biology Department, Ohio University, Athens, OH 45701–2979.

OHIO UNIVERSITY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.

DEVELOPMENTAL NEUROBIOLOGIST

ASSISTANT PROFESSOR, tenure-track research position is available for a developmental neurobiologist, whose area of expertise includes neuroendocrinology, and/or neuroendocrinology. The successful candidate will be able to teach a combination of courses in general biology, neurobiology, endocrinology, or developmental biology. An opportunity for developing additional courses in your specialty. The development of a research program involving undergraduates is required and will be supported. Salary is competitive and commensurate with qualifications. The successful candidate must be interested in teaching, publications, plan of proposed research, and 3 letters of recommenda- tion by December 15, 1992, to: Dr. Paul Dehn, Chair, Biology Department, Canisius College, 2001 Main Street, Buffalo, NY 14208. Informal inquiries are wel- come (716) 888–2550. Women and minorities are encour- aged to apply. Position is possible by the Howard Hughes Medical Institute.

ANALYTICAL CHEMISTRY—IOWA STATE UNIVERSITY

Applications are sought for a faculty position at the level of ASSISTANT PROFESSOR or higher beginning Fall Semester 1993. The successful candidate will be expected to contribute to the teaching program in analytical chemistry at the graduate and undergraduate level, and conduct a vigorous independent research program. The department is located in a new building which houses the Chemistry department and the Physics department. The position will begin on August 1, 1993; and candidates must have a Ph.D. in Analytical Chemistry and a strong commitment to teaching and research.

Applications should be submitted to:

Chair, Department of Chemistry, Iowa State University, Ames, IA 50011. Iowa State University is an Equal Opportunity/Affirmative Action Employer. Applications from qualified women and minority candidates are es- pecially welcome. Application materials should be received no later than January 15, 1993.
Incyte Pharmaceuticals is a privately held biotechnology company focused on the research and development of protein biotherapeutics for inflammatory and degenerative disorders. Incyte's discovery programs, based on large-scale sequencing of cDNAs and proteins from inflammatory cells, have identified several new products which are now in preclinical development. Incyte's lead product, BPI for endotoxic shock, is being co-developed with Genentech, Inc. Incyte has immediate openings for skilled scientists (BS., M.S., and Ph.D.) in the following departments:

- **Immunobiology**
  - Candidates with experience in macrophage and neutrophil biology or immunoassay and bioassay development

- **Molecular Immunology**
  - Candidates with experience in autoimmunity, T-cell biology and cell adhesion to head an expanding project on immunosuppression
  - Candidates with strong basic molecular biology skills in cDNA cloning and expression

- **Protein Discovery**
  - Candidates with strong protein chemistry background: protein isolation and microcharacterization, microsequencing, amino acid analysis, and capillary electrophoresis

- **Protein Engineering**
  - Candidates with experience in recombinant protein purification and characterization. Additional background in enzyymology and protease biology helpful

- **Process Development**
  - Candidates with 3-5 years experience in developing large-scale protein purification processes for both mammalian and bacterial derived proteins. GMP experience helpful
  - Candidates with strong background in mammalian cell culture. Experience in DNA transfections, cell cloning, large scale cell culture and media development helpful

- **Bioinformatics**
  - Candidates with a strong background in computer and data processing to head up a major program on bio-sequence information processing

- **Product Development**
  - Director/Vice President level candidates to head preclinical development of two new proprietary biotherapeutic molecules moving toward clinical trials

Incyte Pharmaceuticals' R&D facility has a premier location in the foothills of Palo Alto, California. Situated in the Stanford Research Park, Incyte is close to the Stanford Campus and a number of bicycling and running trails. Incyte offers competitive salaries, outstanding benefits, significant equity participation and an opportunity for professional growth. Please fax or mail your resume to our Human Resources Department at the above address.
POPPATION/QUANTITATIVE GENETICS  
THE UNIVERSITY OF MICHIGAN  
ASSISTANT PROFESSOR

The Department of Biology at the University of Michigan invites applications for a tenure-track position in the field of Population/Quantitative Genetics. The individual hired will be joining a well established group of ecologists and evolutionary geneticists who are part of a large department of biology, with research interests that embrace a wide range of basic biological phenomena. The specific subfield of interest within population genetics is of less concern than a record of excellence. In addition to establishing a successful research program, the candidate will be expected to participate in undergraduate and graduate-level teaching programs of the Department. Applications should include current curriculum vitae, copies of up to five relevant reprints, a brief statement of future research plans, and three letters of reference. Application deadline is January 15, 1993. Minorities and women are especially encouraged to apply. Application materials should be sent to:  
Chair, Population Genetics Search Committee  
Department of Biology  
University of Michigan  
Nursing Building  
Ann Arbor, MI 48109-1048

ASSISTANT PROFESSOR POSITIONS IN MOLECULAR BIOLOGY

The Department of Molecular Biology and Microbiology has several full-time, tenure-track faculty positions available in the recently established Center for Molecular Parasitology. We seek highly qualified individuals whose research programs will focus on basic aspects of gene regulation in parasitic organisms or organisms that can serve as model systems for the study of parasitic gene expression. The latter includes but is not exclusive of free living protozoa and helminths. We also encourage applications from individuals trained in other systems who contemplate switching to the study of gene expression in lower eukaryotes. Competitive start-up funds will be available to the successful applicant. Review of applications will begin immediately and continue until suitable candidates have been identified.

Send curriculum vitae, summary of past research, a short statement of future plans and the names of at least three references to: Timothy W. Nilsen, Director, Center for Molecular Parasitology, Department of Molecular Biology and Microbiology, 400 Western Reserve University, School of Medicine, 10900 Euclid Avenue, Cleveland, OH 44106-4960. Equal Opportunity/Affirmative Action Employer.

RESEARCH FACULTY POSITION  
UROLOGIC ONCOLOGY

University of Washington, Department of Urology  
Accomplished Scientist to complement existing immunocytochemistry/image analysis research program developing markers of progression in prostatic disease (BPH and cancer). An individual with a strong, postdoctoral experience in molecular oncology highly desired. Academic rank commensurate with qualifications. Send curriculum vitae, and three letters of reference to: Dr. Michael K. Brawer, M.D., University of Washington Department of Urology, RL-10, Seattle, WA 98195

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

POPPATION/QUANTITATIVE GENETICS

THE UNIVERSITY OF MICHIGAN  
ASSISTANT PROFESSOR

The Department of Biology at the University of Michigan invites applications for a tenure-track position in the field of Population/Quantitative Genetics. The individual hired will be joining a well established group of ecologists and evolutionary geneticists who are part of a large department of biology, with research interests that embrace a wide range of basic biological phenomena. The specific subfield of interest within population genetics is of less concern than a record of excellence. In addition to establishing a successful research program, the candidate will be expected to participate in undergraduate and graduate-level teaching programs of the Department. Applications should include current curriculum vitae, copies of up to five relevant reprints, a brief statement of future research plans, and three letters of reference. Application deadline is January 15, 1993. Minorities and women are especially encouraged to apply. Application materials should be sent to:  
Chair, Population Genetics Search Committee  
Department of Biology  
University of Michigan  
Nursing Building  
Ann Arbor, MI 48109-1048

UNIVERSITY OF TORONTO  
DEPARTMENT OF CHEMISTRY  
TENURE-STREAM POSITIONS

The Department of Chemistry, University of Toronto, invites applications for tenure-track positions at the Associate Professor level in organic chemistry (theoretical, physical, inorganic or organic), Environmental chemistry and synthetic organic chemistry, effective Fall 1993. Applications should possess a strong academic background and an excellent research record. The successful candidates will be expected to conduct active and innovative research programs and to teach at both the undergraduate and graduate level.

In accordance with Canadian Immigration requirements, priority will be given to Canadian residents (landed immigrants) of Canada. The University of Toronto encourages both women and men to apply for positions.

Applications will be accepted until December 31, 1992. Applicants should provide curriculum vitae and an outline of their proposed research, and should arrange to have three confidential letters of recommendation sent on their behalf to:

Chair of Chemistry  
Department of Chemistry  
UNIVERSITY OF TORONTO  
80 St. George Street, Room 150  
Toronto, Ontario, Canada, M5S 1A1

Grinnell College invites applicants for a tenure-track faculty position as an ASSISTANT PROFESSOR (Associate Professor possible) of Biology to begin in August 1993. We seek an individual with research interests and a teaching background in parasitology and molecular biology. The candidate should have a Ph.D. and could possess postdoctoral experience. Send curriculum vitae, a description of recent research and three letters of recommendation to: Charles H. Sullivan, Molecular Ecology Search Committee, Department of Biology, Grinnell College, Grinnell, IA 50112-1698. E-mail: SULLIVAC @GRIN1.BITNET. To assure full consideration, applications must be received by January 1, 1993. Grinnell College is an Affirmative Action/Equal Opportunity Employer and especially seeks women and minority candidates.

The University of Washington in Seattle wishes to fill the Robert H. Williams CHAIR OF MEDICINE. This fully endowed Professorship includes dedicated laboratory assistant, office support, and an outstanding investigator whose research is related to diabetes mellitus. The candidate can be either a M.D. or a Ph.D. (or both). The University of Washington is an Equal Opportunity Employer and encourages applications from women and minorities. Please send curriculum vitae and bibliography to:

William J. Brenner, M.D., Ph.D.  
Professor and Vice-Chair  
Department of Medicine  
University of Washington  
Chief, Medical Service  
VA Medical Center (111)  
1600 South Columbia Way  
Seattle, WA 98108

TENURE-TRACK POSITION  
UNIVERSITY OF CALIFORNIA  
LOS ANGELES  
ASSOCIATE PROFESSOR

Junior tenured-track faculty position available to develop an independent research program, and to teach advise in Environmental/Public Health graduate students. Earned doctorate necessary and ability to utilize two years of postdoctoral experience. Send curriculum vitae, a summary of research interests, past research-teaching accomplishments, and future research plans; three publications; and the names, addresses, telephone numbers, and three letters of reference by January 15, 1993 to: Dr. Shane Que Hee, Vice Chair, Department of Environmental Health Sciences, UCLA School of Public Health, 10833 Le Conte Avenue, Los Angeles, CA 90024-1772.

California is an Equal Opportunity/Affirmative Action Employer. Women and Minorities are encouraged to apply.

FACULTY POSITION  
FACULTY POSITION  
ASSISTANT/ASSOCIATE PROFESSOR

University of Washington, Department of Biology invites applications for a tenure-track ASSISTANT/ASSOCIATE PROFESSOR position in parasitology. We seek a candidate with a strong research background in the phylogenetics and evolution of parasites. Send curriculum vitae, a summary of research interests, and three letters of recommendation to: Dr. Robin C. Oster, Chair, Department of Biology, University of Washington, Seattle, WA 98195-1453.

Professorship

University of California, Los Angeles, Department of Microbiology, Immunology and Molecular Genetics invites applications for a facultyst position at the Assistant Professor level starting July or September 1993. The candidate will be expected to establish an independent research program and to interact with faculty and students in our nationally recognized programs in parasitology and microbiology. The position will be to work on a variety of projects, including the development of new techniques for the study of parasitism and the mechanisms of host-parasite interactions. Applications should include curriculum vitae, a statement of research interests, and a list of at least three references, to: Dr. Ian Orme, Search Committee Chairperson, Department of Microbiology, University of California, Los Angeles, CA 90095-1409. Telephone: 301-206-7777, by December 1, 1992.

Dartmouth College invites applications for a tenure-track position at the ASSISTANT or ASSOCIATE PROFESSOR level starting July or September 1993. An individual is sought who will establish a vigorous, productive research program at the interface of chemistry and biology who will excel at teaching in both our graduate and Ph.D. programs. Preference will be given to candidates with experience in biological chemistry, and who will use NMR as an integral method in their research. The new appointee will be expected to teach undergraduates and graduate students in both our chemical and biological programs, and to advise advanced graduate students in both areas. Applications should include curriculum vitae, a description of research projects that would be pursued, a list of start-up requirements, and a brief statement of teaching experience and interests; applications also should arrange to have graduate and undergraduate transcripts with three letters of recommendation sent on their behalf. Application materials should be sent to: Professor David M. Leman, Chair, Faculty Search Committee, Department of Chemistry, 614 Collge, Hanover, NH 03755-3564. The Search Committee is considering completed applications at the present time. Dartmouth College is an Equal Opportunity/Affirmative Action Employer.

CELLULAR/DEVELOPMENTAL BIOLOGIST

The Department of Biological Sciences at Stanford University invites applications for a TENURE-TRACK FACULTY position. Applications are considered at either the junior or the senior level. Research areas of special interest include cell cycle control, cytoskeleton structure and assembly, protein trafficking, embryonic induction, pattern formation and cell-cell interactions. Research on any organism (vertebrate, invertebrate, plant or bacterial) is appropriate. The successful candidate should have a strong interest in teaching and be expected to participate in undergraduate and graduate courses. Applications from women and minority candidates are strongly encouraged. Applicants should send curriculum vitae, a letter summarizing accomplishments and goals for research and teaching, selected reprints, and the names and addresses of three to five references before January 15, 1993 to: C. J. Ginzburg, Developmental Search Committee, Department of Biological Sciences, Gilbert Building, Stanford University, Stanford, CA 94305-0020. Stanford University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION  
FACULTY POSITION  
ASSISTANT/ASSOCIATE PROFESSOR

The Biology Department at Viterbo College invites applications for a tenure-track ASSISTANT/ASSOCIATE PROFESSOR position involving teaching courses in marine biology, general zoology, and laboratory curriculum. Appointment at the Assistant Professor level requires a Ph.D. in Marine Biology or a related field and the ability to teach a broad range of courses in biology. Responsibilities include teaching courses in marine biology, general zoology, and laboratory curriculum. Send curriculum vitae, three letters of recommendation, and graduate transcripts should be sent to: Dean Linda Mace, Chair, Biology Department, Viterbo College, 112 South 9th Street, La Crosse, WI 54601. Equal Opportunity/Affirmative Action Employer.
Welcome is an international pharmaceutical company dedicated to the discovery and marketing of products that promote the quality of human health. This extends to our commitment in cancer research where we are actively exploring the potential of key signal transduction pathways, and their components, as therapeutic targets. Within the Department of Cell Biology, there are already established research programmes focused on the involvement of tyrosine kinase receptors and the ras oncogene as part of a multi-disciplinary approach.

We now have a key staff position available within this Department for a highly motivated molecular biologist to join the tyrosine kinase team, which is directed predominantly towards identifying novel targets and treatments for human breast cancer. This would involve the cloning, manipulation, and expression of target receptors, followed by detailed characterisation of the signalling mechanisms with the objective of designing and evaluating therapeutic strategies.

This represents an excellent career opportunity and candidates should have completed Post-Doctoral research within molecular biology, ideally involving aspects of signal transduction and/or cancer research and be willing to work within a team environment. We are looking for ambitious candidates with a track record of productive research.

A highly competitive salary is offered, and is supplemented by an extensive range of benefits including 5 weeks' holiday, pension and profit share schemes, excellent sports and social facilities, subsidised restaurant, and assistance with relocation expenses where appropriate.

Please write with full CV, quoting reference JAL/279, to Jacqui Lodge, Personnel Officer, The Wellcome Research Laboratories, Langley Court, Beckenham, Kent BR3 3BS. Tel: 081-658 2211.

The Inhalation Toxicology Research Institute offers a highly interactive, multi-disciplinary team environment and an opportunity to live and work in the beautiful Southwest.

Please send resume and salary requirements to Human Resources Unit, Inhalation Toxicology Research Institute, P.O. Box 5890, Albuquerque, New Mexico 87185 by December 11, 1992. Refer to Job #118.

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

Molecular/Cellular Biologist

Molecular/Cellular Biologist to conduct research on the molecular basis for lung cancer and other health effects of inhaled toxicants. Doctoral degree or equivalent scientific credentials in cellular or molecular biology, tumor biology, molecular toxicology or closely related field with an understanding of radiobiology, and post-doctoral training or relevant experience in the molecular basis for abnormalities in mammalian cells is required. Interests in carcinogenesis and toxicology preferred.

The Inhalation Toxicology Research Institute offers a highly interactive, multi-disciplinary team environment and an opportunity to live and work in the beautiful Southwest.

Please send resume and salary requirements to Human Resources Unit, Inhalation Toxicology Research Institute, P.O. Box 5890, Albuquerque, New Mexico 87185 by December 11, 1992. Refer to Job #118.

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

Senior Scientist

Tumor Biology

Glaxo Inc., one of the largest pharmaceutical companies in the world, has an established record of developing the highest quality prescription medicines for unmet patient needs. Located in Research Triangle, NC, the new Glaxo Research Institute is a premier facility which provides a stimulating environment for scientists working in all aspects of discovery and development.

Successful candidate will join our team of scientists involved in the study of hormonal approaches to tumor therapy. This position requires in vivo model development and drug evaluation in collaborative projects of hormone and growth factor stimulated tumor growth.

This is a Ph.D. level position requiring a minimum of 2 years relevant experience with a broad knowledge of hormone regulation, steroid biochemistry and molecular biological approaches to studying endocrine/exocrine growth factor pathways. Individuals must possess excellent communication skills and have the ability to work effectively in a team setting, and apply their individual expertise in a multi-disciplinary approach to discovery of new therapeutics.

Join Glaxo and enjoy an excellent salary, flexible benefits, an on-site fitness center, a spirit of enthusiasm and teamwork and outstanding opportunities for career satisfaction. Equally appealing is our world famous scientific, industrial and academic community in Research Triangle Park, NC. Send your resume, WHICH MUST INCLUDE POSITION TITLE and salary history, to: Human Resources Department, Job #9116B209-SC, Glaxo Inc., P.O. Box 13398, Research Triangle Park, NC 27709. (No Phone Calls or Agency Referrals, Please.) An Equal Opportunity Employer M/F/D/V.
THE SALK INSTITUTE

ASSISTANT PROFESSOR

The Salk Institute is seeking candidates to undertake independent research in the area of growth control in yeast or animal cells in the Molecular Biology and Virology Laboratory (MBVL) of the Armand Hammer Center for Cancer Biology. Current areas of research in MBVL include: mechanisms of growth control and cell transformation (W. Eckhart); molecular analysis of neuroendocrine function (R. Evans); growth control and onogenesis (T. Hunter); mammalian transfection (K. Jones); chromosome structure and function in Drosophila (G. Karpen); sexual differentiation in Drosophila (M. McKown); protein tyrosine kinases (B. Sefton); onogenesis and gene transfer (I. Verma); transformation of hematopoietic cells (M. Vogt) and genome remodeling in mammalian cells (G. Wahl). The Salk Institute offers a highly interactive environment, with a number of groups working in areas of molecular biology and neuroscience. Interested individuals may submit an application to: MBVL Search Committee, The Salk Institute, P.O. Box 85800, San Diego, CA 92186. Please include a curriculum vitae, a description of present and future scientific endeavors, and names of references. The Salk Institute is an equal opportunity employer.

POSTDOCTORAL POSITION

In Chromosome Structure and Function (The Salk Institute)

The Salk Institute is seeking candidates interested in studying chromosome inheritance and genome structure in Drosophila. The manipulable and accessible Dp(1;1)1187 minichromosome system has been used to perform detailed genetic, molecular and cellular biological analyses of chromosome structure and function (Karpen and Spradling, Cell 63, 97 (1990); Karpen and Spradling, Genetics 132 (1992)). We are currently using Dp(1;1)1187 to:
1) determine the molecular organization of Drosophila heterochromatin.
2) investigate the centromeric DNA essential to meiotic and mitotic chromosome transmission,
3) identify the chromosomal elements responsible for homologous pairing during meiosis,
4) study the gene products that interact with the chromosomal elements to ensure proper pairing and transmission.

Practical applications of these studies include the development of a minichromosome vector for genetic transformation (including "gene therapy") and for further analyses of genomic functions in higher eukaryotes. The Salk Institute offers a highly interactive environment, with a number of research groups working in the areas of molecular biology and neuroscience.

Interested candidates with experience in genetics, molecular biology or cell biology may apply by submitting a curriculum vitae, copies of three letters of recommendation to: Dr. Gary Karpen, Molecular Biology and Virology Laboratory, The Salk Institute, 10010 North Torrey Pine Road, La Jolla, CA 92037. The Salk Institute is an Equal Opportunity Employer.

POSITIONS OPEN

CHAIR

Department of Pharmacology/Pharmacaceutics/Medical Chemistry, College of Pharmacy, University of Houston. Applications/nominations are solicited for the chair of the new department. Candidates must have a Ph.D. in the pharmaceutical/biomedical sciences, and at least five years of experience in academic administration. Applications should be submitted to: W. T. Lenke, Chair Search Committee, College of Pharmacy, University of Houston, Houston, TX 77204-5511. Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION

Hydrology and Water Resources
School of the Environment

Duke University's School of the Environment seeks applications at the assistant or associate professor level for a tenure-track or tenured faculty position in hydrology and water resources. The successful candidate is expected to develop a nationally recognized, externally funded research program, and to teach and advise graduate students. The ideal candidate has an expertise related to hydrology and to the management of water resources (quantity/quality) is desired. The candidate should be effective in teaching and/or experimental approaches to solving hydrologic and water resources problems is especially desirable. Applicants should send curriculum vitae and the names of three references to: Dr. Kenneth A. Reddick, Chair, Hydrology and Water Resources Search Committee, School of the Environment, Duke University, Box 90328, Durham, NC 27708-0328. USA. Applications will be accepted through February 1, 1993 or until a suitable candidate is identified. Duke University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION in computational sciences:

Indiana University is expanding its program in Computational Science and invites applications for a faculty position in the program. We are particularly interested in applicants with an interdisciplinary orientation and a background in Astronomy, Chemistry, Computer Science, Earth Sciences, and Physics. Individuals with other backgrounds who can make a strong contribution to this interdisciplinary program will also be considered. The position is tenure-track in one of the below departments; teaching and research in this department will be required.

Send curriculum vitae, publication list, documentation of teaching experience and accomplishments, a one-page statement of research goals, and the names of three references to: The Computational Sciences Program, Office of the Dean of Arts and Sciences, Indiana University, Bloomington, IN 47405 by 15 February, 1993. The position is to start in the Fall of 1993. Indiana University is an Equal Opportunity Employer.

FACULTY POSITION—Sexually Transmitted Diseases (STDs): The Department of Microbiology, The University of Texas Health Science Center at San Antonio (UTHSCSA), seeks to hire a tenure-track faculty member (ASSISTANT to FULL PROFESSOR) with interest and training in the molecular pathogenesis of STDs. Individuals with an accomplished record of research in STDs are encouraged to apply. Successful candidates are expected to develop/maintain innovative research programs and to participate in departmental teaching activities. This is an exceptional opportunity to join a strong department committed to excellence in research and teaching in an interdisciplinary academic-geographic setting. Applicants should mail curriculum vitae, a statement of current and future research goals, and arrange to have three letters of recommendation sent to: Dr. Joel B. Baseman, Professor and Chairman, Department of Microbiology, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78284-7758. UTHSCSA is an Equal Employment Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CALIFORNIA INSTITUTE OF TECHNOLOGY invites applications for a tenure-track JUNIOR FACULTY POSITION. Applications are solicited from individuals with a strong commitment to research and teaching excellence are encouraged to apply. Curriculum vitae including a list of publications, a description of research interests, and three letters of recommendation should be sent to: Professor Douglas C. Rees, Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA 91125. The California Institute of Technology is an Equal Opportunity/Affirmative Action Employer. We welcome applications from qualified women and minority candidates.

OHIO UNIVERSITY ASSISTANT PROFESSOR

HISTOLOGIST/CELL BIOLGIST:

Applications are being accepted for a tenure-track position available September 1, 1993. We seek an individual with a background in histology and research interests in developmental and/or cell biology. Teaching duties involve participating in team-taught histology courses offered to undergraduates, graduates, and medical students. Ability to teach a parasitology course is highly desirable. A Ph.D. and postdoctoral experience are required; the candidate should demonstrate the ability to establish a strong research program in his or her area. Salary is competitive (minimum $30,000). Our department has 50 faculty members, 75 graduate students and excellent research facilities. Interested applicants should contact: Professor Michael Lentke, Division of Medical and Biological Sciences, Ohio University, Athens, OH 45701. Applications and three letters of recommendation by 22 January 1993 to: Ms. Jean Wirkowski, Department of Biological Sciences, Ohio University, Athens, OH 45701. Ohio University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

MOLECULAR BIOLOGY OF VISION

Johns Hopkins School of Medicine

Positions available in the new molecular biology unit of the Department of Ophthalmology (Walter S. Winkelman Institute). Areas of research include homeobox genes and inductive interactions in eye development, RPE and photoreceptor differentiation, and the regulation of retinal gene expression, retinal gene therapy, and the molecular basis of glaucoma. Sponsoring faculty include Peter Campochiaro, O. K. Zinn, and Donald Zack. Please send letter of interest and curriculum vitae to: Ms. Liddian Hedger, 832 Maumence, 600 North Wolfe Street, Baltimore, MD 21287-9289.

POSTDOCTORAL POSITIONS

JOHNS HOPKINS UNIVERSITY

Two postdoctoral positions will open here in 1993 for candidates who have experience in molecular biology and working with membrane proteins. One position will open in early 1993 and the other in July 1993. Structure-function studies of the monochiral ATP synthase and the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) will be carried out. Students completing their Ph.D. work will be given preference. Send curriculum vitae, and names of three references to: Dr. Peter L. Pedersen, Department of Biological Chemistry, School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205. Equal Opportunity Employer.

POSTDOCTORAL FELLOW IN RADIOCHEMISTRY TO conduct research in radiopharmaceutical synthesis and analysis of various CNS ligands for in vivo and in vitro characterization of CNS receptors. Experience in chemistry of D.W. with a strong background in organic synthesis. Interdisciplinary research opportunity in pharmacology, pharmacy, and imaging. Position is available immediately. Send resume to: Dr. Hank F. Kung, Departments of Radiology and Pharmacology, University of Pennsylvania, Room 308, 3700 Market Street, Philadelphia, PA 19104.
HOWARD HUGHES MEDICAL INSTITUTE

POSTDOCTORAL RESEARCH FELLOWSHIPS FOR PHYSICIANS

1993 Competition

25 Fellowships will be awarded to physicians by the Howard Hughes Medical Institute for three years of training in fundamental biomedical research. Awards, based on an international competition, focus on research directed to an understanding of basic biological processes and disease mechanisms. Fellowships may be held at any academic or not-for-profit research institution, including but not limited to Hughes laboratories.

- **Fellowship Terms**
  - Three years of support
  - Full-time fundamental research
  - $40,000-$55,000 annual stipend
  - $15,000 annual research allowance
  - $12,000 annual institutional allowance

- **Eligibility**
  - M.D., M.D./Ph.D. M.B.B.S., or D.O., with the first medical degree awarded no earlier than 1983
  - At the start of the fellowship
    - at least two years of postgraduate clinical training completed
    - no more than two years of postdoctoral research training completed
  - Applicants (and fellows) may not have faculty appointments
  - Fellows may not be enrolled in graduate degree programs
  - No citizenship requirements: U.S. citizens may study abroad, but others must study in the United States

- **Schedule**
  - Application deadline: January 5, 1993
  - Awards announced: June 1993
  - Fellowships start: September 1, 1993 - September 1, 1994

FOR 1993 PROGRAM ANNOUNCEMENTS AND APPLICATIONS

Howard Hughes Medical Institute
Office of Grants and Special Programs
Postdoctoral Research Fellowships for Physicians
Department CC93
6701 Rockledge Drive
Bethesda, MD 20817, United States of America
Telephone (301) 571-8412

The Howard Hughes Medical Institute, an Equal Opportunity Employer, welcomes applications from all qualified candidates and encourages women and members of minority groups to apply.
POSTDOCTORAL POSITIONS available immediately at UCSC to study TIMP-3 and its role in cell transformation. Successful applicants will study the role of this new member of the metalloproteinase inhibitor family will be investigated using molecular and biochemical techniques. Applicants should have a strong background in biochemistry and molecular biology. Please send or FAX: (415) 476-2744 cover letter, curriculum vitae and names, addresses and telephone numbers of three references to: Dr. C. A. Wirgall, Department of Pharmacology, University of California, San Francisco, CA 94143-0446.

POSTDOCTORAL POSITIONS are available immediately to study the molecular mechanisms of membrane transport in plants. Candidates must have a Ph.D. or equivalent training in molecular biology techniques. Projects include the molecular regulation of expression of stage-specific genes and the mechanisms of control of B lymphocyte activation by complement and Epstein-Barr virus receptors. Experience in either molecular biology or cell/cellular biology is advisable. The laboratory is located within the University of Colorado Interdisciplinary Graduate Program in Immunology. Send curriculum vitae, names and addresses of three references and a short letter describing research experience to: Dr. V. Michael Holers, Smyth Professor and Head, Department of Immunology/Pharmacology, University of Colorado Health Sciences Center, Box B-115, 4200 East Ninth Avenue, Denver, CO 80262. The University of Colorado is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS at Savannah River Technology Center, Aiken, South Carolina, in technology transfer (business and patent law), metallurgy optics, analytical chemistry (spectroscopy), chemical engineering, information science and engineering (visualization). For application material: Postgraduate Research Program/SLR, Science/Engineering Education Division, Savannah River Site, P.O. Box 117, Oak Ridge, TN 37831-0117, Telephone: (615) 576-3456.

POSTDOCTORAL POSITIONS are available immediately at the University of Illinois at Urbana-Champaign. A Department of Energy-funded training program offers postdoctoral opportunities for research into mechanism and integration of all aspects of photosynthesis. Projects cross traditional boundaries of photosynthesis research and are expected to include a variety of light harvesting and photosynthetic topics. For application material: K. G. Lawler, Program Director, Box 623, Urbana, Illinois, 61801. FAX: 217-244-1356. UIUC is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOW. Immediate position available for a molecular biologist. Must have demonstrated experience in protein biochemistry and protein purification. Send curriculum vitae and names of three references to: Dr. David Woodward, Division of Biological Sciences, University of California, Santa Cruz, CA 95064.

POSTDOCTORAL FELLOW. Immediate position available for a molecular biologist. Must have significant experience in the field of protein biochemistry and protein purification. Send curriculum vitae and names of three references to: Dr. David Woodward, Division of Biological Sciences, University of California, Santa Cruz, CA 95064.

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At Lilly Research Laboratories, a division of Eli Lilly and Company, we know that, as the pace of scientific discovery quickens, research strategies must quickly accommodate new ideas. Consequently, we continue to strengthen our technological capabilities by recruiting outstanding scientists and supporting them with the most sophisticated research tools available.

A postdoctoral fellowship here offers several impressive advantages. Working on independent research projects, you'll interface with highly respected Lilly scientists using state-of-the-art instruments and equipment, and you'll gain in-depth research training and experience while becoming acquainted with the pharmaceutical industry. You will provide creative input and actively participate in project design. In addition, you'll have the opportunity to share your knowledge as our postdoctoral scientists are encouraged to publish, attend at least one major conference a year, and interact with other Lilly scientists through our seminar series and informal meetings. Opportunities are within the following areas:

BIOCHEMISTRY OF ISCHEMIA-REPERFUSION INJURY - The project will utilize biochemical and bioanalytical techniques to study alterations in drug metabolism, intermediary metabolism, biochemical pathways and ionic homeostasis in a hepatic ischemia-reperfusion model. A strong background in biochemistry, some experience with oxidative or free radical chemistry, and familiarity with instrumentation are required.

MOLECULAR BIOLOGY/PEPTIDERIC RECEPTORS - This program involves the study of the molecular biology of the noradrenergic/neuropeptide Y system. Studies are based on a molecular approach using techniques such as receptor cloning and expression, receptor binding, receptor autoradiography, in situ hybridization and calcium imaging. The successful candidate will have technical experience in one or more of these areas with an interest in peptidergic receptors in the central nervous system. Requires M.D. or Ph.D. in Pharmacology, Neurosciences or Molecular Biology.

ENZYME BIOCHEMISTRY - The program will involve biochemical studies of enzymes for biocatalysis and inhibitor-design. Responsibilities include use of conventional and advanced methodologies for enzyme identification, purification, characterization, kinetics, and/or structure-function relationship. A background in Biochemistry and Microbiology as well as an enzyme publication record are desired.

GENE CLONING & EXPRESSION - This project involves, but is not limited to, cDNA library construction, isolation of cDNA coding sequences, PCR amplification, DNA sequence analysis, and enzyme characterization. Responsibilities involve cloning, expressing and analyzing genes for proteins with interesting pharmaceutical properties. A background in Molecular Biology, Biochemistry, and/or Microbiology is desired.

GENE EXPRESSION - The program involves the study of gene expression during chemical carcinogenesis. Experience is desired with: DNA & RNA isolation, cDNA library construction, protein expression, subtractive & differential hybridization, PCR, and/or 2-D gel electrophoresis.

REGULATION OF INSULIN ACTION OR SECRETION - We seek a scientist with a Ph.D. in Biochemistry, Cell Biology or Physiology and experience with tissue isolation and cell- and tissue-culture techniques. A strong interest in diabetes and prior experience with methods used to isolate and study pancreatic islets and/or insulin-sensitive tissues also is desirable.

All positions are for one year, renewable for a second year upon mutual agreement. Eli Lilly and Company provides a comprehensive salary and benefits program, including relocation expenses. Candidates with no more than one previous postdoctoral experience are encouraged to send a CV to Albert L. Peyton, PhD, PhD Recruitment, Dept. SC-1127P, Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285. Please attach a cover letter indicating specific area(s) of interest.

We are an equal opportunity employer committed to diversity in the workplace.
POSTDOCTORAL OPPORTUNITY

Lederle-Praxis Biologics, a division of American Cyanamid Co., is recognized internationally as a leader in the research, development and manufacture of vaccines for prevention of viral and bacterial disease. Currently, the Department of Viral Vaccine Research and Development is seeking an energetic and talented individual to work as an integral member of a multi-faceted scientific team.

Projects will involve analysis of host immune responses to viral antigens, both in vitro and in vivo. Studies will primarily focus upon the identification and characterization of cellular and humoral correlates of vaccine-mediated protection. There will also be extensive interaction with our protein chemistry, molecular biology and cell biology groups in the context of the development and immunological evaluation of recombinant and natural viral vaccine candidates.

The individual we seek will be a recent graduate of a Ph.D. degree program in Immunology. Hands-on experience in cellular immunology, virology and cell culture is desirable.

We offer an excellent salary and benefits package, including a 401K savings plan, and a convenient Rockland County location 25 miles north of New York City. If you’re ready to make a contribution to a challenging program, send your resume to: Dept. CG-EM, Personnel Section, Lederle Laboratories, Pearl River, NY 10965. We are an equal opportunity employer.

University of London
Wye College
Department of Biochemistry and Biological Sciences
SERC Postdoctoral Research Associateship in PLANT MEMBRANE TRANSPORT AND MOLECULAR BIOLOGY

Applications are invited for a Postdoctoral Associateship in the area of plant membrane transport funded by the British Science and Engineering Research Council. The post is on the RAI scale (£12,638 to £20,140 per annum) and is available starting 1 January 1993, in the first instance for up to 2 years. The successful candidate will join an interdisciplinary team at Wye College and the University of Kent, in nearby Canterbury, engaged in structural and functional studies of ion channels and H+ coupled transporters. The project focuses on cloning and expression of K+ channels from plant membranes and on their characterization using patch-clamp methods. Previous experience in molecular (incl. yeast) genetics or single-channel recording techniques would be an advantage. For further details contact Dr. M.R. Blatt or Dr. T. Hill (phone: 02233) 812401; FAX: 02233) 813520; overseas prefix 44-233 and the number). Applications—to include a covering letter, curriculum vitae, list of publications and the names of three individuals from whom letters of references may be sought—should be sent to: Dr. T. Hill (Assistant to the Principal), University of Kent, Wye College, Wye, Kent TN25 5AH, England. Priority will be given to applications arriving before 11 December 1992.

Wye College is an equal opportunities employer.

INDUSTRIAL POSTDOCTORAL POSITION CANCER GENE RESEARCH

Monsanto Agricultural Group is seeking a Postdoctoral Scientist to join an ongoing investigation of the molecular biology of chemical carcinogenesis at our Environmental Health Laboratory in St. Louis, Missouri. Candidates are required to have a Ph.D. with research experience in molecular biology, including DNA sequencing techniques. Previous research experience in carcinogenesis is desirable. This position is renewable on an annual basis with an anticipated duration of two years. External publications and participation in the scientific community will be highly encouraged.

Monsanto provides a competitive compensation package relative to your responsibilities and qualifications. Interested candidates, please forward your resume to:

John D. Figiel,
Human Resources Manager
MONSANTO COMPANY
700 Chesterfield Parkway North
St. Louis, Missouri 63198

Monsanto is an Equal Opportunity Employer M/F/D/V. We will provide reasonable accommodations upon request.

INTERNATIONAL LABORATORY FOR RESEARCH ON ANIMAL DISEASES (ILRAD)

Director General

ILRAD was established in 1973 in Nairobi, Kenya as one of the research Centres of the Consultative Group on International Agricultural Research (CGIAR), a consortium of donor agencies which now supports 19 centres worldwide. ILRAD has a global mandate to work on the improved control of livestock diseases which seriously limit world food production and are impediments to sustainable agriculture. It applies the best of modern science in pursuit of this goal. ILRAD is a leader in the field of molecular parasitology and its application in vaccine development and has a substantial interest in the genetic basis of resistance to diseases. Presently, its research program is focused on trypanosomiasis and serious tick borne hemoproteozoan diseases such as theilerosis. ILRAD envisages an expanding range of interests to improve the productivity of livestock in developing nations.

ILRAD occupies a modern complex of research laboratories and supporting units at Kakena, on the outskirts of Nairobi. The laboratory currently employs approximately 60 scientists and 350 support staff. It is governed by an international Board of Trustees consisting of 12 members.

Applicants are expected to have demonstrated capacity for dynamic leadership, innovative research, strategic planning, effective administration, and a comprehensive understanding of animal diseases and their control especially those pertinent to ILRAD's interests. International experience in a developing country is highly desirable. The position requires the ability to interact with international donor agencies, national governments, commercial organizations, and other laboratories in the CGIAR system. Candidates must be familiar with infectious diseases, biotechnology, immunology, molecular biology, genetics, epidemiology, the role of livestock in sustainable farming systems, and methods of technology transfer.

The position becomes available in April of 1994 upon the retirement of the incumbent Director General and will be for an initial five-year term that is renewable. Salary, and other emoluments, will be negotiated and will be consistent with similar positions in the CGIAR system. Deadline for receipt of applications is February 28, 1993. Applicants should make arrangements for three letters of reference to be sent to the Chair of the Board.

For further information contact: Dr. N. Ole Nielsen, Chair, Board of Trustees, ILRAD, c/o Ontario Veterinary College, University of Guelph, Guelph, Ontario, Canada N1G 2W1. 519-823-8800, ext. 4417. FAX: 519-837-3230.
The USDA Forest Service is seeking applicants for the position of Fishery Staff Specialist to provide leadership and coordination of national programs in fisheries and fish habitat research. The incumbent assists in formulating policies related to fisheries resources, develops research program objectives and budgets, and reviews and coordinates the fisheries and fish habitat programs of eight regional experiment stations. The staff specialist coordinates Forest Service research programs with other public agencies and private institutions and consults with land management agencies on the application of research results. Major areas of emphasis for Forest Service fisheries research include protection, improvement and restoration of fish habitat; relationships between habitat structure and fish populations; management of threatened, endangered and sensitive aquatic species; and monitoring and evaluation of fish populations and habitats. Candidates may represent a variety of professional backgrounds including fisheries biology and aquatic ecology. Experience in conducting research and managing research programs is preferred. The position is located at Forest Service Headquarters in Washington, DC, and frequent travel is required.

For additional information contact Richard V. Smythe, Director of Forest Research, USDA, Forest Service, 14th and Independence, SW, Washington, DC, 20250 (202-205-1524). Applications must be received by December 28 and must include all information specified in the official vacancy announcement. A copy of the vacancy announcement can be obtained by calling 703-235-2313 or 202-205-1524.

The Forest Service is an Affirmative Action/Equal Opportunity employer. Cultural diversity in the workplace is welcomed and women, members of minority groups, and people with disabilities are encouraged to apply.

CIBA-GEIGY’s Plant Protection Division has an opening for a Developmental/Reproductive Toxicologist at its Environmental Health Center located in Farmington, CT. Responsibilities include the design, conduct and interpretation of developmental and reproductive toxicity studies to evaluate product safety, meet health safety guidelines of governmental regulatory agencies and support product registrations.

A successful candidate at the Research Toxicologist level will have a Ph.D. or an M.S. and at least four years of closely related experience.

A successful candidate at the Toxicologist level will have an M.S. and at least two years of closely related experience, or a B.S. and at least four years of closely related experience.

Broad knowledge in the areas of embryology, reproductive physiology, anatomy, experimental design and statistical analysis is required. Excellent interpersonal, oral and written communications skills are needed. Strong intuitive problem solving and decision making skills are necessary for the analysis, interpretation and organization of data collected during studies. Computer experience is desirable.

CIBA-GEIGY Corporation offers on-going growth opportunities, excellent salaries and an attractive package of paid company benefits. The Environmental Health Center is adjacent to the University of Connecticut Health Center, in one of the state’s most attractive semi-rural towns. To apply, please send your resume, a brief description of your experience and your salary requirements to: Human Resources Coordinator, CIBA-GEIGY Corporation, Plant Protection Division, 400 Farmington Avenue, Farmington, CT 06032. We Are An Equal Opportunity Employer M/F/D/V.

Science Serving Mankind

CIBA—GEIGY
Molecular Biologist/Biochemist to study the intracellular assembly of glycoinositol phospholipid anchor structure in disease, including cloning of genes, transcriptional regulation, and chemical analyses of intermediates. Contact: Beth McCarty, Institute on Aging, Indiana University, 2085 Adelbert Road, Cleveland, OH 44106. An Affirmative Action/Equal Opportunity Employer.

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LULAR
metabotropic glutamate receptors.
Please send curriculum vitae and the names and addresses of three references by January 8, 1993, to: Human Resources, University of New Mexico, 1717 Roma, NE, Albuquerque, NM 87131. Reference your curriculum vitae with Employment Requisition #1154-92A. The University of New Mexico is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL ASSOCIATE
University of Iowa College of Medicine
CFTR
Structure, Function, and Cell Biology
Two positions are available to study the structure, function, and cell biology of CFTR, a regulated chloride channel which is mutated in the genetic disease cystic fibrosis. The structure of CFTR is being probed by both site-directed mutagenesis and single channel patch-clamp analysis of the mutated channels. Work may also focus on the processing of wild-type and mutant CFTR and on gene therapy of cystic fibrosis. Positions will open in 1993. Skills with patch-clamp electrophysiology and cellular or molecular biology are required. Send curriculum vitae with references to: Michael J. Welsh, M.D., University of Iowa, College of Medicine, 500 EMRB, Iowa City, Iowa 52242. An Equal Opportunity Employer.

POSTDOCTORAL FELLOW—PEST PENN STATE
Applications are being accepted for a newly funded NIH training grant in Endocrinology, Diabetes and Metabolism at The Pennsylvania State University College of Medicine. M.D. or Ph.D. candidates will be trained for an academic research career. Sixteen senior faculty members provide expertise in the areas of diabetes (insulin action and resistance, control of protein metabolism, adenosine receptors), endocrinology (transcription, metabolic events in sei[s, glucose transporters, molecular biology of the insulin receptor, protein phosphorylation), reproductive endocrinology (ovarian physiology, polycystic ovarian syndrome), action of actions (diabetes and metabolism), and endocine/oneccy (cell-cell interactions, phosphorylation and cell cycle regulation, estrogen and prostate hormones, membranal control of polypeptides, hormonal control of viral replication, variant estrogen and progesterone receptors). Qualifications include U.S. citizenship or permanent resident status, strong academic background and plans for a career in academic research. Application deadline date: February 15, 1993. The salary is commensurate with NIH stipend guidelines. For a detailed description of the project, and application, write to: Dr. Richard J. Sauten (Training Grant Director) or Dr. Leonard S. HERSHEY, Medical Center, The Pennsylvania State University, P.O. Box 850, 500 University Drive, Hershey, PA 17033. An Affirmative Action/Equal Opportunity Employer, women and minorities are encouraged to apply.

The Department of Pharmacology at Baylor College of Medicine is seeking applications for a RESEARCH ASSOCIATE or Post Doctoral FELLOW with experience in modern techniques of molecular biology and/or biochemistry to undertake a research project on mechanisms of autosomal-recessive mutants. The initial stipend is dependent on training and experience. The Department of Pharmacology has a long-standing program in molecular biology, protein chemistry, RNA structure and function, nucleic acid/protein interactions, and polyamines, and an interest in experimental medicine. Applications should be sent to: Harry Busch, M.D., Ph.D., Chairman, Department of Pharmacology, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030. Baylor College of Medicine is an Equal Opportunity Employer.

RESEARCH SCIENTIST
POSTDOCTORAL
CEDARS-SINAI MEDICAL CENTER is seeking a professional to study the post-transcriptional regulation of CFTR and the structural requirements. Must have solid knowledge of basic cell and molecular biology techniques. Experience with post-transcriptional regulation is highly desirable. We offer long-term support, a salary commensurate with qualifications as well as the potential for development into an independent faculty position. Send curriculum vitae with names of three references and several sample publications or research summary to: Phillip A. Kerka, M.D., Associate Professor of Medicine at UCLA, CEDARS-SINAI MEDICAL CENTER, Division of Endocrinology, 8700 Beverly Boulevard, Los Angeles, CA 90048. (Affirmative Action/Equal Opportunity Employer.)

The Biotechnology Patent Examining Group of the Patent and Trademark Office is currently recruiting scientific examiners. Individuals with advanced degrees and/or equivalent experience in the fields of immunology, molecular biology, gene therapy, plant genetics and plant breeding, biochemistry, protein engineering and microbiology are urged to send a resume or SF-171 to the following address: Patent and Trademark Office Office of Personnel Box 170 Washington, DC 20231 ATTN: D. Dowell (180)

For further information, call David L. Lacy at (703) 308-4314. U.S. CITIZENSHIP IS REQUIRED FOR EMPLOYMENT.

TOXICOLOGISTS
The California Environmental Protection Agency, Department of Pesticide Regulation seeks Staff Toxicologists and Associate Toxicologists in its pesticide regulatory program. Incumbents will evaluate toxicology studies and develop hazard information for existing pesticides. See the California Register for the list of positions. Positions begin at $3478 per month for Staff Toxicologist (minimum, Ph.D. and 3 years of experience) and $3312 per month for Associate Toxicologist (minimum, M.S. and 4 years of experience or Ph.D.). Comprehensive benefits package. Continuous testing, oral exam required. Submit resumes to: Department of Pesticide Regulation Examinations Unit 1220 N Street, Room 154 Sacramento, CA 95814

MACROMOLECULAR X-RAY CRYSTALLOGRAPHER
The Institute for Cancer Research, Fox Chase Cancer Center, has a long and distinguished history in the forefront of X-ray crystallography. FCCC is looking to expand its efforts in macromolecular crystallography with the addition of a tenure-track independent investigator interested in applying the technique of X-ray crystallography to questions of macromolecular structure. FCCC will provide generous start-up funds. Please send curriculum vitae, a brief description of research plans, and the names of three professional references by February 1, 1993 to: J. P. Glusker, Chair, X-ray Crystallography Search Committee, ICRB, 6810, 67701 Bursch tomb Avenue, Philadelphia, PA 19111.
AN INVITATION TO SUBMIT NOMINATIONS
FOR THE KING FAISAL INTERNATIONAL PRIZE IN SCIENCE

The General Secretariat of the King Faisal International Prize is pleased to invite universities & specialist research centers throughout the world to nominate qualified candidates for the King Faisal International Prize in Science. The topic for 1414 H. (1994) is:

“MATHEMATICS”

Nominations should meet the following requirements:

1. Nominees must have accomplished an outstanding academic work in the Prize topic, benefiting mankind and enriching human progress.
2. Submitted work must be original and published.
3. Only recognized educational or research institutions may make nominations.
4. Each nomination should include:
   a) a typed list of the nominee’s nominated works.
   b) a typed CV detailing the nominee’s academic background, experience and published works.
   c) ten copies of each submitted work.
   d) three recent colour photos 4” x 6”.
   e) the nominee’s mailing address including:
      (1) office address, telephone number, telex & fax.
      (2) home address and telephone number.
5. Nominations will be evaluated by a Selection Committee consisting of highly recognized specialists in the topic.
6. More than one person may share the Prize.
7. The nominee’s submitted work will not be accepted if:
   a) it has been previously awarded a prize by any international organization;
   b) it is a university degree;
   c) it is unpublished.
8. The nomination will not be accepted if:
   a) it is nominated by individuals or political parties;
   b) it does not meet all the prize conditions;
   c) it is received after the announced date.
9. The Prize consists of:
   a) a certificate in the winner’s name containing an abstract of the work that qualified him/her for the Prize;
   b) a gold medal;
   c) a sum of three hundred and fifty thousand Saudi Riyals, (approximately US $93,333).
10. The winner(s) name(s) will be announced in February 1994, and the Prize will be awarded in an official ceremony at a later date.
11. The latest date for receiving the complete nomination requirements will be September 1, 1993.
12. No nomination papers or works will be returned to the senders, whether or not the nominee was awarded the prize.
13. All correspondence must be sent by registered airmail to:

   The General Secretariat
   King Faisal International Prize
   P.O. Box 22476, Riyadh 11495
   Kingdom of Saudi Arabia
   Tel 4652255
   Tlx 404667 PRIZE SJ
   Fax 4658685
   Cable JAEZAH

Molecular Biosystems, Inc. (MBI), a leader in the development and manufacturing of contrast agents for medical imaging, including ultrasound and MRI is seeking candidates for the following position:

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Qualified candidates must have a PhD in Biochemistry with three years laboratory experience, some lipid experience a plus. Demonstrated success in technical proficiency, scientific creativity, collaboration with others and independent thought.

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**An Invitation to Submit Nominations**

The College of Agricultural and Environmental Sciences, University of California, Davis invites applicants for graduate fellowships in the areas of enzyme technology and molecular biology as applicable to the agricultural, environmental and food sciences. The fellowships are to be funded by Novo Nordisk to provide first-year funding of up to $20,000, including tuition and fees. Applicants must submit a completed application for Graduate Admission and Fellowship, a Novo Nordisk Fellowship application, a Statement of Purpose, GRE scores, official transcript and three letters of recommendation.

For further information and applications, contact: College of Agricultural and Environmental Sciences, University of California, Davis, CA 95616; (916) 752-0107.

Application Deadline is January 15, 1993.

UC Davis is an equal opportunity institution.
The following applications are invited for a seven-story graduate experience.

1. Wayne Department located in Hartford, Connecticut, is seeking a candidate to join our Department of Research and Heart Institute to establish a new program in Vascular Biology. Candidates should have completed a doctoral degree and have prior experience in molecular aspects of vascular cells. Interested candidates should send a resume and references to:

Dr. Ernesto Canalis.

SAINT FRANCIS
Hospital and Medical Center
114 Woodland Street
Hartford, Connecticut 06105-1299
Fax: (203) 548-5415

2. The Royal Society

VACANT RESEARCH APPOINTMENTS 1993

Applications are invited for about 15 Royal Society University Research Fellowships and four named research fellowships; the Eliz. Challenge, the Howe, the Horace Le Marquand and Dudley Bigg and a Pickering Research Fellowship, tenable in the first instance for five years from 1 October 1993 (or slightly later in the academic year 1993-94). Renewals of three years and then a further two may be possible. The appointments available embrace all branches of science, including agriculture, medicine, mathematics, engineering and technology.

Persons appointed will be paid on the academic and academic-related staff (Lecturer A and B) salary scale which currently runs from £13 611 (age 26) to £23 739 (age 39) plus three additional discretionary points up to £26 526. Starting salaries will be on this scale, with London Allowance where appropriate, and will rise incrementally each year. Annual research expenses (up to £11 000 for 1993-94) will be available together with travel expenses and a contribution to baggage costs for successful applicants from overseas and their families.

Applicants must have a Ph.D. or equivalent research experience. They should be at least 26 but should not have passed their 33rd birthdays by 1 October 1993 although, in exceptional cases, older applicants will be considered. Applicants should propose to hold the fellowship in a university or polytechnic in the United Kingdom. Those already holding substantive posts in those places will not be considered. University Research Fellowships are only open to European Community citizens employed or permanently resident in the United Kingdom.

Application forms and further information, including eligibility criteria and details of the subject areas of the four named fellowships, are available from the Research Appointments Department, The Royal Society, 6 Carlton House Terrace, London SW1Y 5AG (Fax 071-930 2170). Closing date 12 February 1993. Application forms are not available after 29 January 1993 and applications arriving after 4 p.m. on 12 February will not be considered.

3. Wayne State University

FACULTY POSITIONS

The Department of Biological Sciences has recently occupied a new seven-story Biological Sciences Building and undertaken a major development effort which includes the recruitment of a significant number of new faculty over the next four years.

Applications and nominations are invited for tenure-line faculty positions at any rank from individuals with research interests in the following four areas (areas of particular interest are noted):

MEMBRANE BIOLOGY
(signal transduction or membrane excitability)

EVOLUTIONARY ECOLOGY
(adaptive nature of phenotypes or genetic systems)

MOLECULAR CELL BIOLOGY
(signal transduction pathways)

MOLECULAR MICROBIOLOGY
(prokaryotic/lower eukaryotic gene expression and regulation)

Applicants should have a doctoral degree and suitable postdoctoral experience. Successful candidates will be expected to establish extramurally-funded research programs and to teach at the undergraduate and graduate levels. Women and minority candidates are encouraged to apply. Review of applicants will begin on 4 January 1993 and continue until suitable candidates have been identified.

Send curriculum vitae, including a one page statement of research interests, and the names of at least three references to:

Dr. P. Dennis Smith, Chair
Department of Biological Sciences
Wayne State University
Detroit, Michigan 48202

Wayne State University is an Equal Opportunity/Affirmative Action Employer

4. WOMEN IN SCIENCE

March 13 Reprint

This first-time special section, reprinted from the March 13 issue of SCIENCE, takes an in-depth look at women in science.

This section explores:

- Women's Progress in Science
- Career Advancement
- Networking
- Mentoring
- Two Career Couples in Science
- Women's Progress in Mathematics, Chemistry, and Life Sciences

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A Ph.D. and at least two years of postdoctoral experience in modern heteronuclear NMR spectroscopy are required. An ability to develop and implement new pulse sequences and computational techniques along with proficiency in the biological sciences are desired. The ability to interact effectively with colleagues of diverse backgrounds is a must.

The NMR facility is presently equipped with a UNITY-500 NMR spectrometer with plans to add a higher field spectrometer next year. Computational facilities include several workstations and access to Lilly's Cray 2S supercomputer for advanced NMR processing and molecular calculations. These facilities are housed in a newly completed suite of laboratories which also includes x-ray crystallography, vibrational spectroscopy and computational chemistry.

Eli Lilly and Company offers a competitive salary and a comprehensive benefits package. Qualified candidates should submit a letter of application along with their curriculum vitae, official transcripts and the name of three references to: Albert L. Peyton, Ph.D., Ph.D Recruitment, Dept. SC-1127, Eli Lilly and Company, Lilly Corporate Center, Indianapolis, Indiana 46285.

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Pro-Neuron, Inc., a development-stage pharmaceutical company, has an immediate opportunity for a qualified senior cell biologist. Responsibilities and qualifications are as follows:

- Conduct analyses of new pharmaceutical agents in vitro and in vivo
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REGULATORY AFFAIRS

Great Lakes Chemical Corporation, a leading Fortune 500 manufacturer of industrial and specialty chemicals, has the following opportunities available in its Regulatory Affairs Department:

**MANAGER OF NEW PRODUCT REGISTRATION**

Reporting to the Director of Regulatory Affairs, this position requires an MS or Ph.D degree in Toxicology or Chemistry and experience in the area of chemical regulation. Specific knowledge and experience in product registrations under TSCA and FIFRA is required. Professional will be charged with initiating, expediting, and follow-up to completion pre-manufacture notices and new pesticide registrations.

**MSDS/LABELING SPECIALIST**

This junior level position will require a BS in Toxicology, Chemistry or Biology and will possess good organizational skills, an aptitude for details and computer use. Responsibilities will include time sensitive preparation, maintenance, and distribution of MSDS and product labels. Implement system(s) for handling MSDS and labels, and ensure that each commercial product is properly labelled.

If you are qualified and interested in utilizing your ambition and skills in a long-term career position with excellent advancement potential, Great Lakes can offer you an attractive salary and fringe benefits package. Send a resume and salary history in confidence to:

Gayle L. Hardison
P. O. Box 2200
West Lafayette, IN 47906
IMMUNOLOGIST
The Division of Pathobiology and Immunobiology of the Yerkes Regional Primate Research Center, and the Department of Microbiology and Immunology, School of Medicine, Emory University have an opening for an immunologist with experience in retrovirus research. Candidates should have a Ph.D., DVM, M.D., equivalent and should have sufficient research experience to demonstrate the ability to establish an independent research program in areas related to the pathogenesis of AIDS and selected retroviruses in nonhuman primate models. The successful applicant will also participate in ongoing clinical, virological, and pathological studies with human or simian immunodeficiency virus-infected patients. The primary appointment will be at the Yerkes Primate Center, with a secondary, research-track appointment in the Department of Microbiology and Immunology. Salary is negotiable, commensurate with experience. The position is available immediately. Letters of application including curriculum vitae, a brief statement of research interests, and the names of three references, should be forwarded to: Dr. Harold McClure, Associate Director, Yerkes Primate Research Center, Emory University, Atlanta, GA 30322. Applications should be submitted by January 1, 1993. Emory University is an Equal Opportunity/Affirmative Action Employer.

COURSES AND TRAINING

BIOLOGY OF DISEASE VECTORS
June 20 to July 3, 1993
Colorado State University
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This unique course introduces the biology of vectors of infectious diseases and emphasizes current molecular biological, genetic, biochemical, and physiological research. Introductions to significant aspects of vector biology, including host seeking, blood feeding, organ structure-function, gene regulation, vector manipulation and containment, and control, are covered and followed by in-depth analyses of selected major vector borne diseases. Faculty are drawn mainly from the MacArthur Foundation Network on the Biology of Parasite Vectors. The course is designed for graduate students, postdoctoral fellows, and independent investigators. The course can be taken for college credit. Accommodations are located on the main campus of Colorado State University, near lecture and laboratory facilities. Vector-pathogen experimentation and demonstrations are conducted in the containment facility of the Arthropod-borne and Infection Disease Laboratory (AIDL), Foothills Campus, Fort Collins. A portion of the course will be given at the CSU Pingree Park Mountain Campus.

Limited to 30 students. Enrollment is competitive. Financial aid is available. Application deadline is February 15, 1993. For further information, contact: Dr. William C. Marquart, Telephone: (303) 491-7367, FAX: (303) 491-1815, Colorado State University, Arthropod Borne and Infectious Diseases Laboratory (AIDL), Foothills Campus, Fort Collins, CO 80523, USA.

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The center maintains a unique collection representing most of the species and subspecies of the genus Xenopus, as well as a collection of mutants. Because of impending cutbacks, we are looking for new homes for the whole or parts of the collection, or for specific requests for individual species. Offers of long-term financial support from associations, laboratories or individuals are welcome to avoid a drastic cutdown of the collection by March 1993.

 Requests for information and stocks, or offers of support, should be addressed to: President of the Section of Biology, University of Geneva, 30 quai E.-Ansermet, CH-1211 Geneva 4, Switzerland. FAX: (+41 22) 349 26 47.

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ANNOUNCEMENTS

GRADUATE RESEARCH ASSISTANTSHIPS, "Ecological and Social Science Challenges of Conservation," Cornell University. Assistants are available for the 1993-94 academic year in an interdisciplinary Research Training Group in Environmental Conservation and Sustainable Development focusing on the Dominican Republic and Costa Rica. Students will undertake a major in a relevant discipline and a minor in Conservation and Sustainable Development. For more information and application guidelines, contact: Dr. John Schellhas, Department of Natural Resources, Fernow Hall, Cornell University, Ithaca, NY 14853.

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