Graphing Software
GraphPad Prism is software that plots, graphs, and helps analyze data. Analysis methods include nonlinear regression (curve fitting), spline curves, area under the curve, frequency distribution, statistics by row or column, and survival curves. There are also commands for manipulating data. The plots, graphs, analysis, and page layouts are all kept in a single file and displayed in a single window. The program runs under Microsoft Windows. SoftShell. Circle 137.

Embedding Kits
A new line of embedding media for microscopy and histology includes cold curing kits for materials science; ultraviolet low temperature kits for immunolabeling, in situ hybridization, and histochemistry; and high resolution microscopy kits. Electron Microscopy Sciences. Circle 138.

Nonenzymatic Cell Recovery
MatriSperse Cell Recovery Solution is a nonenzymatic method to recover cells cultured on Matrigel Matrix. Matrigel Matrix has widespread use to enhance differentiated functions of many cell types in vitro. With the new solution, a matrix-free suspension can be easily obtained by depolymerizing the Matrigel Matrix for 1 hour at 4°C. The short incubation period at a low temperature minimizes intracellular biochemical changes during cell recovery, and the nonenzymatic polymerization process avoids digestion of extracellular portions of cell surface receptors and adhesion molecules. The solution can be used to recover cells for subsequent biochemical analyses, particularly of short-lived mRNAs or polypeptides and cell surface molecules. It can also be used to replate cells onto a different matrix or to determine cell numbers. Becton Dickinson Labware. Circle 139.

Tissue Fixative
Histochoice MB Tissue Fixative, designed for the molecular biologist, is formulated to preserve antigenic sites for antibody probes and nucleic acid sites for molecular probes. Most fixed sections do not require predigestion or other recovery procedures to make important sites available. It is also a preservative that leaves antigens and nucleic acids in their native state, allowing binding for specific probes. Primary antibodies can often be diluted severalfold due to the increased number of preserved antigenic sites. It can replace formaldehyde-based, alcohol-based, Zenkers, B-5, B-3, Bouin's, and other fixatives. Amresco. Circle 140.

Fast Cameras for Calcium Ratio Imaging
The fast readout Capella family of cooled charge-coupled device camera systems are suited to use in calcium ratio imaging experiments. The family offers a wide dynamic range of 4096 to 16,386 gray levels, which is of particular relevance in the neurosciences, where it is important to observe the relationship between calcium fluxes throughout the neuron in order to understand cell signaling and its response to various agonists. In these

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by Science or AAAS is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Readers' Service Card and placing it in a mailbox. Postage is free.

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cases the wide dynamic range of the Capella family enables the processes and cell body to be studied simultaneously without the camera being saturated by larger signals from the cell body. AstroCam. Circle 141.

Protein Modeling Software

The ChemProtein module of Chem-X features powerful homology building of three-dimensional protein models. The software enables the user to build models of partially known proteins using other proteins as templates. Now available for all Chem-X supported platforms, including Windows and Power Macintosh, it is the only desktop homology building software, according to the manufacturer. Chemical Design. Circle 142.

Two New Polymerases

TaKaRa Ex Taq Polymerase and LA Taq Polymerase are new reagents for polymerase chain reaction (PCR). TaKaRa Ex Taq has an incorporation fidelity four times greater than Taq polymerase. Depending upon the complexity of the DNA target, Ex Taq can produce from 10 to 100 times more product than Taq. It has a processivity rate that allows it to extend normal PCR capability to 10 kilobases or longer without sacrificing yield. LA Taq Polymerase and its buffer are optimized for long PCR from complex genomic targets, such as human genomic DNA. It has a sixfold higher incorporation fidelity than Taq polymerase, making it a good choice for genomic cloning, gene expression, and mutagenesis analysis. It is available in several PCR kits. Oncor. Circle 143.

Prestained Electrophoresis Standards

Kaleidoscope Prestained Standards are protein standards for electrophoresis and protein immunoblotting. They consist of seven individually colored proteins (6.5 to 200 kD). Every vial contains a lot-specific molecular weight calibration of each protein. They are supplied in a stable sample buffer, so no dilution or aliquoting is necessary when stored at −20°C for up to 1 year. Bio-Rad Laboratories. Circle 144.

Vacuum Concentrator

Concentrator 5301 is for gentle concentration of DNA, RNA, nucleotides, and proteins as well as for preparing for gel electrophoresis. The user can choose between the basic concentrator model, which can be operated with the user’s pump, and the complete system, which is equipped with a maintenance-free, chemical-resistant diaphragm pump. The standard delivery package includes a fixed-angle rotor for 48 2-ml test tubes. The complete system also features an emission condenser that cleans outgoing air up to 85%. For larger numbers of samples, a 72-place rotor is available for 0.5-ml tubes or a 70-place rotor for 2-ml tubes. Eppendorf. Circle 145.

Literature

The Binding Site 1995/1996 Catalogue contains more than 3000 kits and reagents and describes many new products including human Immunoglobulin G subclass kits for use on various nephelometric/turbidimetric analyzers, isoelectric focusing kits, new antibodies, and more. The Binding Site. Circle 146.

Endogen Product Catalog 1995/1996 features more than 200 enzyme-linked immunosorbent assay (ELISA) kits and reagents for immunological research, including 75 new products. New products include human, mouse, and pig cytokine ELISA kits; mouse cytokine MiniKits; human, mouse, rat, and pig cytokines; antibodies to cytokines; and antibodies to human, mouse, and rat cell adhesion markers. Endogen. Circle 147.

Integrated GPC/SEC Systems describes new gel permeation chromatography systems. The PL-GPC210 is for ultrahigh temperatures up to 210°C. The PL-GPC110 operates at temperatures up to 110°C. Polymer Laboratories. Circle 148.

Electrophoresis 95: Power Supplies and Apparatus Catalog features systems for vertical mini gels and blots, horizontal submarine gels, isoelectric focusing, tube gels, and immunoelectrophoresis and immunodiffusion. E-C Apparatus. Circle 149.

Prospekt describes an on-line solid-phase extraction system. It outlines the configurations of the system to fit individual applications. Spark Holland. Circle 150.
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*Amber inclusion from Bitterfeld/Germany photographed by Dr. A. Gabert, Leipzig*
PanVera's recombinant human apolipoprotein E isoforms are useful biochemical tools for studying the role of Apo E in the progression of Alzheimer's Disease. Recently, Apo E proteins were also suggested to play a role in human longevity and aging. PanVera's recombinant human Apo E2, E3, & E4 are highly purified, retain excellent biological activity, and are individually available for convenient use.
FACULTY POSITION
Sciences Institution of Oceanography
Observational Marine Physics

The Scripps Institution of Oceanography (SIO) of the University of California, San Diego (UCSD) invites applications for an ASSOCIATE OR ASSOCIATE PROFESSOR (tenure-track or tenured) in observational marine physics. Applicants with an interest in conducting innovative observational work in the marine environment will be given strongest consideration. Fields of interest include oceanic and marine electromagnetic properties, ocean optics, and the ocean-atmosphere boundary layer. Applicants must hold a Ph.D. degree or equivalent and will be expected to teach and supervise students, primarily at the graduate level, conduct an extramurally funded research program, and participate in the administrative functions of SIO and UCSD. The level and salary will depend upon the experience of the successful applicant and will be based on the UC pay scale. Assistant-level candidates will be expected to show evidence of their potential through letters of recommendation and a publication record appropriate for their experience. Associate-level candidates must show evidence of a strong research record in their specialization. Closing date for applications: February 15, 1996. Please send a letter of application, curriculum vitae including teaching experience, and the names and addresses of five referees to: Chair, SIO Graduate Department, University of California, San Diego, 9500 Gilman Drive, La Jolla, CA 92093-0208. UCSD is an Equal Opportunity/Affirmative Action Employer.

TUFTS UNIVERSITY
JOINT APPOINTMENT
Community Health Program
AND ASSISTANT OR ASSOCIATE PROFESSOR
Department of Economics

The Community Health Program and the Department of Economics seek a health economist or a health policy specialist. The position will involve a joint appointment, half-time in the Department of Economics and half time as DIRECTOR of the Community Health Program, an interdisciplinary course of study for undergraduates. Candidates should have a Ph.D. or equivalent degree in economics, related discipline and should be tenurable in the Department of Economics. Economics will be the person's disciplinary department. Evidence of successful teaching and research in the economics of health and/or health policy analysis is required, and experience in academic administration is desirable. Appointment will be at an ASSISTANT PROFESSOR or ASSOCIATE PROFESSOR level, depending on the qualifications of the candidate. Applicants should submit curriculum vitae and samples of written work and names and addresses of three references to: Dr. Margery Davies, Administrator, Community Health Program, Tufts University, 122 Capen Avenue, Medford, MA 02155. The search will continue until the position is filled.

Tufts University is committed to an aggressive program of Equal Opportunity and Affirmative Action. Candidates are encouraged to identify their status in their cover letters.

INVERTEBRATE ZOOLOGIST

Wabash College seeks an invertebrate zoologist with a strong field and ecological orientation. TENURE-TRACK POSITION will be filled with four teaching lines and review procedures. Ph.D. required and teaching experience is desirable. The Biology Department, with seven full-time faculty positions, encompasses molecular biology, organismal biology, and population ecology. We seek a person with abilities and interests at the ecological level. Responsibilities include teaching a modern course in invertebrate zoology, participating in general biology courses, and participating in course development and evaluation. Four courses for three years and start-up funds for research are available. Send letter of application, curriculum vitae, brief statement of research and teaching interests, and three letters of recommendation to: Chair, Biology Department, Wabash College, P.O. Box 352, Crawfordsville, IN 47933. Questions may be directed to: Krohne@wabash.edu. Wabash College, a liberal arts college for men, encourages women and minorities to apply. Equal Opportunity Employer.

ENVIRONMENTAL RISK ANALYSIS AND POLICY

The Yale University School of Forestry and Environmental Studies seeks to make a TENURE-TRACK assistant professorship in Environmental Risk Analysis and Policy. The individual will be expected to develop and maintain an active research program related to the detection and dimensions of environmental health risk. Research interests in complex mixtures of environmental contaminants, risk distribution and its policy implications, susceptible populations or vulnerable aspects of the environment, and risk assessment would be especially welcome. An ability to teach in an interdisciplinary, professional training program and to participate in interdisciplinary research is essential.

The deadline for receipt of application materials is January 8, 1996. Please send a statement of research and teaching interests, a curriculum vitae, and the names and addresses of three references to: Dr. Jared L. Cohon, Dean, Yale University, School of Forestry and Environmental Studies, 205 Prospect Street, New Haven, CT 06511.

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

BIOCHEMIST

The James Madison University Chemistry Department is committed to excellence in undergraduate instruction and research and seeks a TENURE-TRACK ASSISTANT PROFESSOR starting fall 1996, pending state funding. Ph.D. in biochemistry, chemistry, or related area required. Ph.D. in Biochemistry and a desire to teach all levels of biochemistry are desirable. Responsibilities include teaching introductory and advanced courses, laboratory courses, and courses concerning biochemistry, genetics, and analytical chemistry. A demonstrated ability to develop new courses and a record of publication or presentations is desirable. Applications are encouraged from individuals interested in developing and implementing new courses and teaching strategies. Salary is competitive and is based on qualifications. Review of applications will begin January 15, 1996. Send letter of application, curriculum vitae, statement of teaching philosophy, and three letters of recommendation to: Search Committee, Department of Chemistry, James Madison University, Harrisonburg, VA 22807. Complete application should be received by January 15, 1996 to ensure consideration. James Madison University is an Affirmative Action/EQUAL OPPORTUNITY Employer and especially encourages applications from minorities, women, and persons with disabilities.

ECOLOGY AND DEVELOPMENTAL BIOLOGY

Two TENURE-TRACK POSITIONS to begin September, 1996. 1) Ecologist: including teaching in evolution and systematics; marine biology background advantageous. 2) Developmental biologist: including teaching courses in areas such as cell biology and physiology. Small liberal arts college with broad range of undergraduate courses and specialized courses through M.S. level. 300-acre campus on the North Shore of Long Island presents a rural setting, within an hour of Manhattan. Please send curriculum vitae, supporting material, and names of at least three references to: Dr. M. Shodell, Department of Biology, Long Island University, C.W. Post Center, Brookville, NY 11548. Closing date: January 26, 1996. Equal Opportunity Employer.
California biopharma, Roth sees 1996 as a good year for investment, innovation and employment.

Californian biotechnology employs 108,000 people, which will grow to 160,000 or more by the turn of the century. After a year and a half in a holding pattern—reflecting the national health care debate and a few high-profile failures in biotech clinical trials—biomoney started to flow about halfway through 1995. "The gates are definitely open again," says Gina Kollin, director of human resources for Shaman Pharmaceuticals, Inc., of South San Francisco. "That's going to give a lot of companies the chance to stay up and running while they get a product to market."

Twenty-seven biotech products are now on the shelves, with over 290 in clinical development, and more than three times that number in preclinical. Those facts are suggestive. To be sure, the excellent discovery scientist will always be in demand. But the real need is going to be downstream—the PhDs, MSs, and BSs in clinical research, synthetic chemistry, regulatory affairs, validation, process development, manufacturing, and marketing who will help develop new drugs and speed them to market. Job-seekers dreaming of California need to retool their conceptions of the scientific career. Below we take a closer look at some of the hot fields.

Antisense, Gene Therapy, Genomics. "Antisense is one of the fields that people are very excited about," says Lester Kaplan, corporate vice president of research and development for Allergan in Irvine. "And with gene therapy, you'll see the excitement continue as well. There the big challenge lies in finding the right delivery system." And the Human Genome Project is still the mother of all collaborative efforts—but, as Kaplan points out, "there's a lot of uncertainty about how all this new knowledge is going to be applied."

Manufacturing. "All our indicators suggest a significant preparation throughout California for manufacturing," according to A. Stephen Dahms, director of the 22-campus California State University system Biotechnology Research and Education Program. He points to Vacaville, a northern California town that now hosts manufacturing centers for both Chiron and Genentech. "The Bay Area is well ahead of Southern California in moving from a research boutique phase to true manufacturing," he says, "and that should affect the number and kind of jobs these companies will be advertising for."

Pharmacokinetics, Medicinal and Synthetic Chemistry, and Beyond. "There don't seem to be enough qualified people in these areas," says Kollin. "I keep seeing a big need for people with expertise in metabolism and formulation—really well-paid, important areas." Chemists who can actually make the salable compounds of the future—and help test them—will be key (and much sought-after) players in the future of California biopharma. Kaplan says that "combinatorial chemistry seems to offer a lot of promise as a way of speeding up drug discovery."

Regulatory Savoir-Faire. From two-thirds to three-quarters of all new biotech job listings require some knowledge of regulatory codes and procedures, according to Dahms. Every future job-seeker should learn three words, according to Roth: GCP (good clinical practice), GMP (good manufacturing practice), and GLP (good laboratory practice). "If your résumé says, 'I have a basic understanding of regulatory laws,'" Roth says, "it's a plus."

Clinical Research Associate (CRA). "The CRA is definitely the hottest job in town," says Roth. "Already you see companies competing hard for good people. Nurses are very important, but so is anyone with a BS in chemistry or biology and experience in clinical research." Pay in many cases exceeds that for PhD discovery researchers. But is the job rewarding? "There's nothing more powerful than visiting the patient who has benefited from your product," says Roth. "Knowing you've helped save lives—that's the most powerful reward you can get."

Validation/QA/QC. A new manufacturing facility will cost a company an average of $35 million to establish—and fully 17% of that money is devoted to validation. "The word validation just isn't in the lexicon of most educators and scientists yet," says Dahms. "That's a shame, because these can be very rewarding careers. You get to conduct very focused research aimed at answering concrete questions, and your results contribute directly—and rapidly—to the development effort." As for quality control and quality assurance, Dahms says, "I'm seeing many job ads looking for a BS in chemistry with experience in QA."

The Experienced MS and BS. Kollin says that "whereas we're seeing a flood of molecular biology and chemistry PhDs on the market, there is probably an even greater need for the MS and BS scientist who has good lab experience." Everyone urges these useful scientists to get that experience as they get their degree. As Roth puts it, "We don't have time to train people. We need some familiarity with what we do—get that while you're getting your degree or while you work."

Creativity. Academia, industry, and individuals have to think without blinkers about future careers. Dahms sees it from the university perspective: "What we need is a curriculum that produces students whose background is interesting to the industry," he says, "and we can do this largely with existing labs and lectures. We just have to think differently." Job-seekers should simply think with as wide a horizon as they can. "The more cross-trained you are, the better," Roth says. "If you work with us, you'll be asked to do a lot of things. We'll say, 'Here's a problem. What can you contribute?'"

In the meantime, companies are innovating in as many new ways as they can find. Shaman pursues what it calls an "ethnomedical research process," in which western-trained scientists collaborate with healers from indigenous tribes in the tropical rain forest to study plants and compounds that treat disease. Kollin says, "There are new platforms, new products, new kinds of work. That's what California has always been about."

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Biology and Biotechnology Research Program

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Excellent support facilities and infrastructure include the DOE Human Genome Center, Program for Protein Structure Analysis, Center for Accelerator Mass Spectrometry, the resources of the Computations, Engineering and Chemistry Departments.

Appointments will be made (6-10) at the postdoctoral or tenure-track positions depending upon accomplishments, career goals and leadership potential or demonstrated ability. Candidates should have a PhD or MD and experience in relevant field.

Interested individuals should send resumes, including publication list, statement of research accomplishments and future research goals, names of three references, and e-mail address to: Ms. Mary Anne Holman, Recruiting & Employment Division, Dept. AJSCC15MH, Lawrence Livermore National Laboratory, P.O. Box 5510, Livermore, CA 94551-5510. LLNL offers an attractive salary/benefits package. We are proud to be an Equal Opportunity Employer. M/F/D/V.

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FACULTY POSITION
TENURE TRACK
Developmental Biology
Department of Biology
University of California, San Diego

The Department of Biology at the University of California, San Diego invites applications for a tenure-track faculty position at the Assistant Professor level. We are seeking exceptional candidates pursuing imaginative approaches to any basic problem in Developmental Biology. The successful candidate is expected to develop a vigorous research program and participate in undergraduate and graduate teaching.

A Ph.D. degree and two or more years of productive postdoctoral research experience are required. Salary (based on the UC pay scale) will be commensurate with qualifications and experience. This position is contingent on availability of funds.

Applicants should send curriculum vitae, statement of research interests, bibliography, and the names, fax numbers, and e-mail addresses of three referees by February 15, 1996, to:

Developmental Biology Search Committee
University of California, San Diego
Department of Biology 0346
9500 Gilman Drive
La Jolla, CA 92093-0346

To apply by e-mail: devbio@ucsd.edu

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

Assistant Professor of Genetics

The Department of Botany and Plant Sciences, University of California, Riverside, announces a position available July 1, 1996. The position is an 11-month, tenure-track appointment in the College of Natural and Agricultural Sciences and in the Agricultural Experiment Station. The successful candidate will be expected to develop a vigorous, innovative, independent research program in plant developmental genetics using genetics, molecular, cellular, and other techniques to elucidate fundamental mechanisms underlying plant development. Opportunities are available for interacting with researchers in plant cell, molecular, and developmental biology, plant physiology, and other disciplines. The successful candidate will be expected to become involved in undergraduate and graduate teaching as well as serve as major professor of graduate students in the Department of Botany and Plant Sciences and in the interdepartmental Genetics Program. A Ph.D. in genetics or related field is required. The candidate must possess a strong commitment to teaching excellence and a high research potential. Send letter of application, curriculum vitae, statement of research interest, and arrange to have at least three confidential letters of reference sent to: Dr. W.W. Thomson, Search Committee Chair, Botany and Plant Sciences Department, University of California, Riverside, CA 92521-0124. Phone: (909) 787-4619; Fax: (909) 787-4437; email: susanm@ucrcl.ucr.edu; WWW:http://cncas.ucr.edu/bps/homepage.html. The application deadline is January 26, 1996. The University of California is an Affirmative Action/Equal Opportunity Employer.

PRODUCT MANAGERS
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STRATAGENE, a leader in the development and manufacture of molecular biology research products, has two immediate openings for qualified Product Managers. Responsibilities include the generation, implementation, tracking and reporting of tactical sales and marketing programs worldwide for genetic and instrument systems products. BS/BA degree in Molecular Biology or related field (or equivalent) and at least 3-5 years' experience marketing molecular biology products are required, along with laboratory experience and a strong understanding of the molecular biology market.

Interested candidates should send a resume to: Stratagene, 11011 N Torrey Pines Rd., La Jolla, CA 92037, Attn: Professional Staffing. Please indicate position of interest by code: Genetic 22054-95A, or Instrument 22055-95A. AA/EOE.
TENURE-TRACK FACULTY POSITION
ASSISTANT PROFESSOR

Crump Institute for Biological Imaging
Department of Molecular and Medical Pharmacology
UCLA School of Medicine

The Crump Institute for Biological Imaging is a new Institute at UCLA that is committed to the merger of imaging and modern biology to examine systems ranging from cellular subassemblies up to human subjects. The Institute and the Department of Molecular and Medical Pharmacology at UCLA are seeking a junior faculty member with interests in both synthesis and protein chemistry. The successful applicant will be expected to develop an independent research program with emphasis in radio labeled proteins and other biochemical imaging probes for positron emission tomography and confocal fluorescence microscopy. The individual we seek will also act as a member of a research consortium and should have the ability to interact with scientists of diverse interests who have come together to advance biology and medicine through the use of novel probes and bio-medical imaging modalities. The faculty includes scientists with strengths in chemistry, biochemistry, molecular biology, pharmacology, nuclear medicine, biophysics, and biomathematics.

Candidates should have a Ph.D. in Chemistry, Biochemistry, or a closely related field. Teaching of graduate and M.D./Ph.D. students is expected. Send curriculum vitae, a description of research plans, and three letters of recommendation to: Theresa Sama, Search Coordinator, Crump Institute for Biological Imaging, JLNRC, UCLA School of Medicine, 10833 Le Conte Avenue, Los Angeles, CA 90095-1770.

ASSISTANT PROFESSOR of CHEMISTRY
University of California, Riverside

The Department of Chemistry invites applications for a tenure-track faculty position at the Assistant Professor rank starting July 1, 1996. The position requires a Ph.D. in analytical, inorganic, organic, physical, or other areas of chemistry, an ability to conduct an innovative and vigorous research program in fundamental aspects of atmospheric chemistry or related chemical/environmental areas, and excellent prospects for teaching chemistry at the graduate and undergraduate levels. Postdoctoral experience will be helpful. The successful candidate for this position will complement the ongoing research in the Department of Chemistry and the UC Riverside Statewide Air Pollution Research Center (SAPRC). The successful candidate will be a joint appointment in the Department of Chemistry and SAPRC. The SAPRC mission includes fundamental chemical studies of atmospheric processes as viewed in the broadest sense. Applicants should send a complete resume and statement of research interests, and should have three original letters of reference sent to Professor Steven R. Angle, Chemistry Faculty Search Committee Chair, Department of Chemistry, University of California, Riverside, CA 92521-0403. Evaluation of applications will begin on 15 January 1996, but the position will be open until filled. The University of California is an Affirmative Action, Equal Opportunity Employer. Additional local campus information is available at http://c纳斯.ucr.edu/ and http://www.chem.ucr.edu/

Research Scientist

VICAL INCORPORATED, a leader in the development of gene-based pharmaceutical products for human gene therapy is currently seeking a Research Scientist. The incumbent will be responsible for carrying out original and applied research in the area of Cancer Gene Therapy. The incumbent will be expected to provide experimental and intellectual contributions to Vical’s primary direct DNA injection technology in the area of cancer therapy with an emphasis on the immunotherapy of cancer. The ideal candidate will possess the following:

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Other Opportunities Available in R&D

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We also seek PhD and post-doctoral applicants with prior experience in nonisotopic nucleic acid labeling and detection. Candidates with experience in target amplification and/or novel signal amplification systems are encouraged to apply. (Ref: ADT)

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Competitive salary, benefits and relocation allowance provided.

For consideration, please forward your CV to the Human Resources Department at Boehringer Mannheim Corporation, 2400 Bisspr Lane, P.O. Box 4117, Concord, CA 94524-4117 or fax your resume to (510) 674-1880. Please include the reference code. Principals only please. EOE.
Terrapin is a dynamic young organization with proprietary targets in intracellular signaling and a unique drug discovery technology located at 750 Gateway Blvd., South San Francisco, CA 94080, Fax (415) 244-9388, has the following openings:

**Computational Chemist** - This position is available in our Chemistry Department. The ideal candidate should have a Ph.D. and 3-5 years postdoc experience with strong background in computer aided drug design & excellent command of multivariate statistics. Knowledge of chemical databases, proteins structure & function or pharmacophore development is a plus. If you are independent & have excellent communication skills, please send your resume and references to Dr. Hugo Villar at the above address.

**Senior Scientist - Hematopoiesis Cell Biology** - The ideal candidate should have a Ph.D. with in-depth knowledge and extensive hands-on experience in human bone marrow biology as well as a proven track record with bone marrow cultures and multi-myeloid lineage assays. Candidates with lymphoid lineages expertise in a pharmaceutical company environment and the ability to lead research project will be given preference. Please send your resume and references to Dr. Deborah Higgins at the above address.

**Research Assistant** position available for exploring T cell mediated signal transduction. The successful candidate will have a BS/MS with 2-4 years experience in immunology or signal transduction. This position requires strong tissue culture skills and expertise in signal transduction techniques. Experience with establishment and maintenance of T cell clones is highly desirable. Please send your resume and references to Dr. Nicki Vasquez at the above address.

**Research Assistant** position available for running biochemical screening assays, a variety of biomedical procedures and laboratory robotics. The ideal candidate will have a BS/MS with biology and chemical science training as well as demonstrated laboratory experience in biochemical assay development or procedures. Applicant should be meticulous & capable of maintaining highly accurate record keeping as well as responsible and thorough. Please send resume and references to Dr. Richard Sportsman at the above address.

**Research Assistant** position available in Molecular Biology for an individual skilled in automated fluorescence DNA sequencing. The ideal candidate will have basic skills in molecular biology (PCR, cloning, plasmid preparation, RNA work a plus). This position requires a B.A/B.S with 1-2 years experience. Please send resume and references to Dr. Gene Napolitano at the above address.

**Research Assistant** position available in Hematopoiesis Cell Biology. *In vitro* cell culture and *in vivo* experience are essential. The ideal candidate must have a basic knowledge of hematopoiesis. Candidates with the ability to do bone marrow cultures & multi lineage assays will be given preference. This position requires a BS/MS in biological science and some post graduate experience. Please send resume and references to Dr. Deborah Higgins at the above address.

Terrapin is an Equal Opportunity Employer.
CONSERVATION BIOLOGY AND WILDLIFE ECOLOGY
The Yale University School of Forestry and Environmental Studies seeks to make a TENURED appointment in the field of Conservation Biology and Wildlife Ecology. Responsibilities of the position will include development of a research program, preparation of graduate courses/seminars, and advising Master’s and doctoral students. Individuals with research interests in population biology and related areas and in the policy implications of conservation biology would be especially attractive. The ability to thrive in an interdisciplinary, professional program is essential.

The deadline for receipt of application materials is January 8, 1996. Please send a statement of research and teaching interests, curriculum vitae, and names and addresses of three references to: Jared L. Cohon, Dean, Yale University, School of Forestry and Environmental Studies, 205 Prospect Street, New Haven, CT 06511.

QUANTITATIVE POPULATION ECOLOGIST
University of California, Berkeley
Applications are invited for a tenure-track position in quantitative population ecology at the ASSISTANT PROFESSOR level in the Department of Integrative Biology. The position is open, and preference will be given to a person with special skills in experimental design, quantitative analysis and/or modelling. The successful candidate will participate in a cross-disciplinary upper-division course in population and community ecology and will be expected to develop an advanced undergraduate course in theoretical ecology and practical experimental methods in ecology. He or she will also offer seminars in the area of specialty.

Applications must be postmarked by January 19, 1996; the appointment will begin July 1, 1996. Submit a curriculum vitae, three letters of recommendation, a statement of research and teaching goals, and reprints of your three most significant papers, to: Chair, Search Committee, Department of Integrative Biology, 3060 Valley Life Sciences Building, University of California, Berkeley, Berkeley, CA 94720-3260. The University of California is an Affirmative Action/Equal Opportunity Employer.

UHMBOLDT STATE UNIVERSITY
Department of Biological Sciences
Two Positions: Animal Development and Physiology

TENURE-TRACK FACULTY POSITIONS starting August 1996 in Developmental Biology: Requires: Ph.D. in zoology or biology, with emphasis in animal development. Primary responsibilities will be to teach courses in animal development and genetics, and to participate in the development of new undergraduate and graduate courses in development. The successful candidate will participate in an interdisciplinary program in marine biology and environmental science. Application materials should be postmarked by March 1, 1996, and interviews will be conducted at the joint Meeting of the Society for Developmental Biology and theuggested Society for the Study of Development. The University of California is an Affirmative Action/Equal Opportunity Employer.

HUMBOLDT STATE UNIVERSITY
Department of Biological Sciences
Two Positions: Animal Development and Physiology

TENURE-TRACK FACULTY POSITIONS starting August 1996 in Developmental Biology: Requires: Ph.D. in zoology or biology, with emphasis in animal development. Primary responsibilities will be to teach courses in animal development and genetics, and to participate in the development of new undergraduate and graduate courses in development. The successful candidate will participate in an interdisciplinary program in marine biology and environmental science. Application materials should be postmarked by March 1, 1996, and interviews will be conducted at the joint Meeting of the Society for Developmental Biology and the suggested Society for the Study of Development. The University of California is an Affirmative Action/Equal Opportunity Employer.

PRINCIPAL AND CHAIR OF PHARMACOLOGY AND CELL BIOLOGY
The University of Cincinnati College of Medicine invites applications and nominations for the CHAIR of the Department of Pharmacology and Cell Biology. This department is a vibrant center of excellence in basic, clinical, and translational research, and is committed to providing a dynamic and challenging environment for the development of the next generation of physician-scientists. The successful candidate will have a proven record of independent, extramurally funded research. The department is seeking a scholar with a broad research background and strong leadership qualities to serve as its next chair. The University of Cincinnati is committed to increasing diversity in its faculty and has designated this position as a Faculty Recruitment Pool for the purpose of addressing this goal. Please send curriculum vitae, names of three references, and a statement of past research activities, current interests, and career goals to: Dr. L. P. Scherz, Chair, Department of Pharmacology and Cell Biology, University of Cincinnati, PO Box 670071, Cincinnati, OH 45267-0071. The University of Cincinnati is an Affirmative Action/Equal Opportunity Employer.

PROFESSOR AND CHAIR OF PHARMACOLOGY AND CELL BIOLOGY
The University of Cincinnati College of Medicine invites applications and nominations for the CHAIR of the Department of Pharmacology and Cell Biology. This department is a vibrant center of excellence in basic, clinical, and translational research, and is committed to providing a dynamic and challenging environment for the development of the next generation of physician-scientists. The successful candidate will have a proven record of independent, extramurally funded research. The department is seeking a scholar with a broad research background and strong leadership qualities to serve as its next chair. The University of Cincinnati is committed to increasing diversity in its faculty and has designated this position as a Faculty Recruitment Pool for the purpose of addressing this goal. Please send curriculum vitae, names of three references, and a statement of past research activities, current interests, and career goals to: Dr. L. P. Scherz, Chair, Department of Pharmacology and Cell Biology, University of Cincinnati, PO Box 670071, Cincinnati, OH 45267-0071. The University of Cincinnati is an Affirmative Action/Equal Opportunity Employer.

PHYSICAL OCEANOGRAPHER
The University of Southern Mississippi (USM) invites applications for a tenure-track position in physical oceanography in the Center for Marine Sciences. The appointment will be made at the ASSISTANT PROFESSOR level. Preference will be given to individuals who have experience and/or publications in physical oceanography and who are interested in applying the results of their work to the problems of coastal and estuarine ecosystems. The University of Southern Mississippi is an Affirmative Action/Equal Opportunity Institution.

BIOLOGIST
The University of Minnesota, Morris seeks an individual(1) with commitment to undergraduate teaching and research involving undergraduates, to fill a TENURE-TRACK POSITION in Plant Science. The successful candidate will have a Ph.D. in plant sciences, and will be expected to develop a research program in basic and applied aspects of plant science. Interested candidates are encouraged to apply. The University of Minnesota, Morris is an affirmative action/equal opportunity institution and will consider all qualified applicants, including women, minorities, and individuals with disabilities. Women and minorities are encouraged to apply.

NEUROBIOLOGIST
The Department of Cell Biology, Developmental Biology and Neurobiology at Rutgers University, New Brunswick invites applications for one or possibly two TENURE-TRACK POSITIONS from individuals with postdoctoral experience and a strong commitment to both research and teaching. The research interests of the department include, but are not limited to: the development of the vertebrate nervous system, the mammalian peripheral nervous system, the development of neuronal circuits, the mechanisms of sensory transduction, the development and function of neuronal synapses, the molecular and cellular basis of neuronal plasticity, and the development of the nervous system during organogenesis. The committees will include individuals with expertise in: molecular biology, cell biology, genetics, immunology, pharmacology, and physiology. For further details, please contact: Dr. Richard E. Triemer, Chair, Department of Pharmaceutical Sciences, Nelson Laboratory, Rutgers University, New Brunswick, NJ 08854-1689 by February 15, 1996. Rutgers University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS IN MEMBRANE/CELL PHYSIOLOGY
The Department of Physiology of the Medical College of Pennsylvania and Hahnemann University invites applications for full-time, tenure-track faculty positions at the rank of ASSISTANT PROFESSOR, ASSOCIATE PROFESSOR, and/or FULL PROFESSOR. Applicants must have a Ph.D. or M.D. and must have a record of independent research in an area of membrane or cell physiology. Future areas targeted for expansion include the fields of circulatory, and cardiovascular membrane structure, function, and diseases. Applicants will join a Department that was initiated in 1992 and is built around the theme of membrane structure, function, and diseases. The Department theme ensures excellent opportunities for interactions and collaboration. The Department occupies space in a recently renovated building designed in a very pleasant residential area of Philadelphia. Salaries are competitive. In addition to establishing and maintaining a competitive research program, successful candidates will be expected to provide undergraduate and graduate teaching in both basic and medical physiology courses. Applications will be accepted until March 1, 1996. Send a curriculum vitae, a brief description of research interests and plans, and the names, addresses, and telephone numbers of at least three references to: Dr. John M. Russell, Department of Physiology, Medical College of Pennsylvania and Hahnemann University, 2900 Queen Lane, Philadelphia, PA 19129. Email: russell@medcolpa.
Challenging infectious and cardiovascular diseases, allergies, cancer and central nervous system disorders...

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From molecules to medicines. At Schering-Plough, scientists are discovering and developing the novel therapeutics that challenge mankind's most debilitating diseases. To continue this important work, we seek talented scientists with knowledge and dedication.

**SCIENTIST Immunology**

We seek an independent self-starter to play an important role on a professional research team. To qualify, you will need a BS in Biology or related field and 7-10 years of experience or an MS and 5-8 years of experience. Background must include training and experience conducting in vivo experiments as well as knowledge of in vitro cell culture and molecular biology techniques. Expertise in lymphocyte isolation and fractionation, DNA sequencing and gene expression evaluation is desirable. Experience in FACS analysis is helpful. To be considered for this position, please respond to Dept. DD95-48.

**SCIENTIST Allergy**

We seek a talented scientist to assume major responsibilities for conducting ongoing studies of T cell activation and cytokine production at the molecular level. To qualify, you will need a BS in Cell or Molecular Biology or Immunology and 7-10 years of experience or an MS and 5-8 years of experience. Background must include experience in lymphocyte isolation and cell culture. Experience in a variety of recombinant DNA techniques is highly desirable. A high degree of organization and independence is a must. To be considered for this position, please respond to Dept. DD95-43.

We offer an excellent compensation package including a competitive salary and comprehensive benefits. For prompt, confidential consideration, we invite you to forward a resume indicating the Dept. Code for your position of interest and salary requirements to: Human Resources-BG, Schering-Plough Research Institute, MS #1255, 2015 Galloping Hill Road, Kenilworth, NJ 07033-0539. We are an equal opportunity employer. We regret we are unable to respond to each resume. Only those selected for an interview will be contacted.

**PROCESS/ANALYTICAL BIOCHEMIST**

Merck Research Laboratories is considered by many to be the premier research organization in the pharmaceutical industry based on its unparalleled success at creating important new pharmaceuticals and vaccines, which have been used to improve human health worldwide.

The Bioprocess R&D group is responsible for the development of processes and analytical techniques to be used for manufacture and release of all biologically-made new vaccine and drug candidates. We are looking for talented Ph.D. Biochemists, Molecular Biologists and Molecular Immunologists at various levels of experience to join our group. The successful candidate would have the objective of gaining a more fundamental understanding of our processes, our analytical methods and our products, and of applying that knowledge to improve productivity and reproducibility.

The work is varied with the opportunity to work in a team which moves product candidates from Basic Research through process scale-up and Clinical evaluation to start-up in manufacturing. Current product candidates require the development of purification processes and analytical methods for polyaccharides, proteins, purified viruses, conjugates and plasmid DNA.

Merck offers excellent salary and benefits programs for this position located in our research facilities 25 miles northwest of Philadelphia. Please send curriculum vitae with cover letter and the names of three references to: Personnel Manager, Ad#5-43, Merck Research Laboratories, P.O. Box 4, West Point, PA 19486. EEO/AA/V/Employer.
Assistant Professor
Department of Microbiology and Cell Science
University of Florida at Gainesville

The Department of Microbiology and Cell Science, University of Florida, is expanding and invites applications for a tenure-track position available August 1, 1996. This position is equally divided between teaching and research and includes start-up funds. The successful candidate will be expected to develop an externally funded research program in the area of microbial genetics/physiology, microbial ecology, or host/bacterial interactions (human, animal, or plant). Teaching responsibilities will include participation in an undergraduate and graduate courses, training of graduate students, and other University-related activities. Candidates should have a Ph.D. in microbiology or related sciences or related experience. The closing date for this position is January 1, 1996. Applications should submit a curriculum vitae, summary of research, and three letters of reference to: Donnie O. Ingram, Department of Microbiology and Cell Science, Museum Road, P.O. Box 110700, University of Florida, Gainesville, FL 32611-0700. The University of Florida is an Affirmative Action/Equal Employment Opportunity Employer.

Assistant/Associate/Full Professor
Microbiology and Immunology/Cancer Research

The Department of Microbiology and Immunology and the Center for Excellence in Cancer Treatment, Research, and Education at Louisiana State University Medical Center invites applications for a departmental position. FACULTY position. Applicants should have a doctoral degree, postdoctoral research experience, and a commitment to teaching and cancer research. Special consideration will be given to established investigators with national funding in an area of research that directly concerns clinical cancer. Responsibilities include teaching medical students and the training of the 30 departmental doctoral students. Excellent facilities, start-up funds, and competitive salary are offered. Curriculum vitae, full publication list, plans of funding, and three letters of reference should be sent to: Dr. Dennis J. O’Callaghan, Professor and Head, Department of Microbiology and Immunology, LSUMC, 1501 Kings Highway, Shreveport, LA 71130-3932. An Equal Opportunity Employer.

Biology Faculty Position

The Department of Biology at Saint Joseph’s University invites applications for a tenure-track faculty position at the ASSISTANT PROFESSOR level. We are seeking a broadly trained ecologist cell biologist. Successful applicants will be expected to participate in non-major courses, teach a freshman biology course, and develop an upper-division/graduate-level course in advanced cell biology. Development of an active independent research program is expected. A Ph.D. required; postdoctoral teaching experience is assets. Please send curriculum vitae, copies of all transcripts, an outline of teaching and research goals (including a list of needed equipment), and names and telephone numbers of three references to: Dr. John J. Tudor, Chair, Department of Biology, Saint Joseph’s University, 5600 City Avenue, Philadelphia, PA 19131. Review of applicants will begin in mid-January 1996. St. Joseph’s University is a four-year liberal arts university in the Jesuit tradition. Equal Opportunity/Affirmative Action Employer.

Medical Scientist

A tenure-track position is available in the Department of Biology at Tulane University. The School of Optometry’s scientific and clinical contribution to the teaching, training, and research on the eye. We seek a candidate enthusiastic to join our professional and graduate level didactic and research programs, particularly to teach medical school-level biochemistry and in other appropriate areas, and to take advantage of opportunities for collaborative research. Applicants must be able to earn doctoral degree and additional postdoctoral experience. Send curriculum vitae, three letters of reference, and statement of research interests to: David Goss, Chair, Search and Screening Committee, School of Optometry, Tulane University, 800 East Atwater, Bloomington, IN 47405. Deadline for applications is January 15, 1996. An Equal Opportunity/Affirmative Action Employer.

Stroke Neuroscientist
Departments of Cellular Biology, Neurology, and Neurosurgery

Schumpert Chair in Neurobiology

The University of Toledo invites applications for a tenure-track position in neuromuscular biology. Full-time tenure-track, joint faculty position available January 1, 1996. Applicants should have a Ph.D. or M.D., postdoctoral experience, and a record of excellent research accomplishments in cell/molecular biology. Successful applicants will be expected to develop a research program in the area of neuronal and muscle development and regeneration, with an emphasis on the role of ion channels in normal development and regeneration. The successful candidate will be expected to teach undergraduate and graduate (M.S.) courses, establish an active research program, and seek extramural funding. Preference will be given to applications received prior to January 26, 1996. Send curriculum vitae, statement of research goals, and three letters of recommendation to: Dr. Robert J. Fuchs, Chair, Department of Biology, University of Toledo, 2801 West Bancroft, Toledo, OH 43611. FAX: 419-399-4236 or EMAIL: rjfuchs@utoledo.edu. The University of Toledo is an Equal Opportunity/Affirmative Action Employer.

Ecologist Department of Biology

The Department of Biology at the University of Arizona invites applications for a tenure-track faculty position in aquatic or terrestrial ecology at the ASSISTANT PROFESSOR level to begin August 1996. Candidates are expected to have both postdoctoral research experience and to be able to teach biological statistics. Preference will be given to candidates who have demonstrated excellence in research and teaching. Applicants should send a letter of application that describes research interests, curriculum vitae, teaching statements, and three letters of reference to: The University of Arizona, Box 210055, Tucson, AZ 85721. The University of Arizona is an Equal Opportunity/Affirmative Action Employer.

Tulane University is seeking to fill a vacant faculty position at the TENURE-TRACK ASSISTANT PROFESSOR level. It is possible that a candidate with exceptional qualifications may be considered for a position at a higher level. We are seeking a person with a Ph.D. at the time of appointment that can demonstrate high standards of both teaching and research, and who emphasizes applications of ecology to environmental problems. Such a person may have a research field in any specialty, however, strong consideration will be given to those candidates that specialize in fields such as agricultural ecology, geology, geomorphology, remote sensing, glaciology, or geophysics, and can interact with researchers and students in the departments of environmental science and engineering at Tulane. Applicants should send a letter of application, statement of research and teaching interests, current curriculum vitae, and the names, addresses, and telephone numbers of three references to: Stephen A. Nelson, Department of Geology, Tulane University, New Orleans, LA 70118. Email: snelson@mailhost. tulane.edu. Applications will be accepted until a qualified candidate is found. Tulane University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

Developmental Biologist/Geneticist

Assistant Professor

CHEMICAL ENGINEERING
Massachusetts Institute of Technology

Applications are invited for a junior-level, TENURE-TRACK FACULTY POSITION in the Department of Chemical Engineering, Massachusetts Institute of Technology. Applicants should have a Ph.D. in chemical engineering or a closely related field, should demonstrate excellence in academic performance, and should have a strong interest in teaching undergraduate and graduate chemical engineering. Send resume and the names of at least three references to: Chair, Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139. Materials received by May 1, 1996. MIT is an Equal Opportunity/Affirmative Action Employer.

Tulane University is an Affirmative Action/Equal Opportunity Employer.

University of Chile ASTRONOMY

Open position for CHILEAN ASTRONOMER

Requirements: Ph.D. or equivalent in astronomy required. Send letter of application, curriculum vitae, and three letters of reference to: Departamento de Astronomia, Casilla 36-D, Santiago, Chile. FAX: 562-229-4101; Email: oficina@das.usach.cl.

You can find more information about these positions on the respective university and college websites, or by contacting the department directly.
Greenland Ph.D.-Fellowships

With the purpose of strengthening the research infrastructure of Greenland, the Greenland Home Rule, The Danish Research Academy, and the Danish Ministry of Research with its associated Research Councils announce 2-3 Ph.D.- fellowships.

Applications may cover research training in any discipline within Humanities, Social Sciences, Health Sciences, Natural Sciences and Technology.

Successful candidates are expected to enroll at a Danish University, alternatively another University of relevance to the chosen object.

Fellowships are open to individuals permanently associated with the Greenland society, preferentially people with greenlandic educational background.

Candidates not fully qualifying for a Ph.D.-enrolment at the time of application may be supported for a maximum of 1 year prior to ordinary enrolment.

The application should include a project proposal and indicate at which institute/faculty/university the candidate would prefer to enrol. It is therefore recommended that applicants seek contact to relevant academic advisors prior to developing the application.

Fellowships are granted according to Danish University guidelines, which include a maximum of 149 payments of D.kr. 3.551 during the study period of 3 years. Additional 4.580 D.kr. per month may be obtained from teaching activities or other study-related work.

The application should be submitted in 4 copies to the Danish Research Academy which will ensure a peer review prior to selection of the candidates.

Additional information can be obtained from the Research Academy, att: Rector Ole Fejerskov, phone +45 8614 4899, fax: +45 8614 4871, e-mail: academy@inet,unic.dk.; Director Torben Cordtz, the Greenland Home Rule, phone: 00299 230 00; or Director Ove Poulsen, Ministry of Research and Technology, phone +45 3392 9880, e-mail: OP@mek.dk.

Application forms can be obtained from the Danish Research Academy. Deadline for application: January 15, 1996.

Greenland covers 2,175,600 sq. km of which 85 pct. is icecovered. The Greenlandic population is 56,000 with 13,000 living in the capital of Nuuk in Westgreenland.

Research in Greenland by Greenlandic research institutes are carried out by Greenland University, the Greenland Nature Institute and the National Museum of Greenland.

Danish research institutes and universities have facilities in Godhavn at the Disco Island, in Kangerlussuaq Airport and at Zackenberg in the North East of Greenland. More than 200 research projects are carried out of Greenland every year partly with logistic support from Danish Polar Center.

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Computational Chemistry

Our Preclinical Research Department in Basel is looking for a new member for its team, to work in the development of new methods in the area of molecular modeling and biostructure-based de-novo design tools.

Candidates are expected to have a strong background in chemical and biostuctural research and experience in the algorithmic implementation of methods and tools in this field.

We expect you to have a PhD in chemistry, biochemistry or biophysics, combined with extensive informatics experience, or, alternatively, solid informatics qualifications plus several years' professional experience in the chemistry/biostructure area.

We have strong preferences for platform-independent, modular and eventually object-oriented implementations. Currently our in-house systems are developed in C and run on SGI hardware.

Located in Switzerland we offer a dynamic multidisciplinary international research environment and encourage collaboration with academic groups.

Please apply in writing to our personnel department, Mrs. M. Waespe, quoting reference Science 13/95/Wa.

F. Hoffmann-La Roche Ltd.
P.O. Box, CH-4002 Basel
BIOLIGIST

Saint Vincent College invites applications for a tenure-track, ASSOCIATE PROFESSOR level position in cell and molecular biology, beginning in the fall of 1996. Responsibilities include teaching, research, and service. Ph.D. required. Send letter of interest by January 15, 1996 to: President, Saint Vincent College, 330 Fraser Purchase Road, Latrobe, PA 15650-2690. We are an Equal Opportunity/Affirmative Action Employer.

THEORETICAL ECOLOGIST

Arizona State University invites applications for a new FACULTY POSITION.

We invite applications for a reopened and broadened search for a tenured-track position as the ASSOCIATE PROFESSOR level position beginning in fall 1996. Candidates must have demonstrated teaching and research accomplishments in the development and teaching of broad ecological theory. We welcome applicants from all of the many disciplines relevant to ecology. The successful candidate will be expected to establish a new research program, to participate in undergraduate and graduate-level teaching, and to develop a course in ecological modeling.

Candidates must have demonstrated a strong commitment to teaching and research and must have a Ph.D. in an appropriate area by August 1996. Applications should include a letter, a curriculum vitae, 3 letters of reference, a statement of teaching goals, and a list of 5 research publications.

Interested candidates should send curriculum vitae and the names, addresses, and telephone numbers of three references to: Dr. Michael Sinensky, Chairman, Department of Biological Science, East Tennessee State University, Johnson City, TN 37614-0581. Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR

The Department of Biological Sciences, University of Iowa, invites applications from highly qualified candidates for a TENURE-TRACK POSITION in developmental biology or developmental neurobiology, especially from candidates with demonstrated excellence in research on neural development or molecular genetic techniques. Postdoctoral experience and evidence of strong potential as an independent scholar are required. Teaching duties in both undergraduate and graduate programs and some teaching of a postdoctoral level are expected. Applicants should provide a curriculum vitae, statement of future research plans, and description of teaching interests by January 15, 1996 to: Professor, Department of Biologlcal Sciences, University of Iowa, Iowa City, IA 52246. Women and minority candidates are encouraged to apply. The University of Iowa is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

MOLECULAR BIOLOGIST

Teneur-track ASSISTANT PROFESSOR position sought by researchers with background in biomedical research and postdoctoral research experience desirable. The successful candidate will participate in undergraduate courses in Developmental Biology, Cellular Biology, Reombinant DNA Technology, and/or Genomics. Include a letter of interest and curriculum vitae to: Dr. Randall Fuller, Chair, Department of Biology, Colgate University, Hamilton, NY 13366-1398. Positions available immediately. Women and minority candidates are encouraged to apply. Colgate University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR OF Audiology and Hearing Sciences (Psychoacoustics), Department of Communication Sciences and Disorders, Northwestern University. Full-time (academic year), tenure-track position, begins in Fall 1996, seeks applicants with research, teaching, and/or graduate seminar experiences and/or expertise in psychoacoustics. Send letter of application, curriculum vitae, and three letters of recommendation to: Dr. Steven Hackley, Department of Psychology, 210 McAlester Hall, UMC, Columbia, MO 65211. (Email: shackley@MIZZOU1.missouri.edu; Telephone: 314-882-3277.) We anticipate interviewing in February 1996; start date August 1996. Equal Opportunity Employer.

POSTDOCTORAL POSITION immediately available in Dr. Susan E. Kane’s lab, to study mechanisms of malaria drug resistance and nucleic acid enzymology preferred for the bioorganic position. Experience with microfabrication, capillary electrophoresis, and hemoproteins absolutely required. Send curriculum vitae, a letter of recommendation, and a list of publications to: Dr. Susan E. Kane, Department of Biology, University of California, Berkeley, CA 94720. Equal Opportunity Employer.

OTHER RESEARCH OPPORTUNITIES are also available. Call our Jobline at 818-301-8200. Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available immediately to develop new DNA fluorescence labeling and analysis methods and apply them to the Human Genome Project. Experience in molecular biology and nucleic acid enzymology preferred for the bioorganic position. Experience with microfabrication, capillary electrophoresis, and hemoproteins absolutely required. Send curriculum vitae, a letter of recommendation, and a list of publications to: Dr. Richard A. Mathies, Chemistry Department, University of California, Berkeley, CA 94720. Equal Opportunity Employer.

POSTDOCTORAL POSITIONS to study mechanisms of malaria drug resistance and nucleic acid enzymology preferred for the bioorganic position. Experience with microfabrication, capillary electrophoresis, and hemoproteins absolutely required. Send curriculum vitae, a letter of recommendation, and a list of publications to: Dr. Richard A. Mathies, Chemistry Department, University of California, Berkeley, CA 94720. Equal Opportunity Employer.

Cognitive Neuroscientist

The Department of Psychology at the University of Missouri-Columbia (UMC) invites applications for a tenure-track position at the ASSOCIATE PROFESSOR level, with research specialization in the neural basis of human information processing (e.g., ERP, lesion analysis). Please submit curriculum vitae, research and teaching statements, and three letters of reference to: Dr. Steven Hackley, Department of Psychology, 210 McAlester Hall, UMC, Columbia, MO 65211. (Email: shackley@MIZZOU1.missouri.edu; Telephone: 314-882-3277.) We anticipate interviewing in February 1996; start date August 1996. Equal Opportunity Employer.

The University of Kansas Medical Center (KUMC) is seeking applications for a new FACULTY POSITION in the Center on Aging and an appropriate basic science department. The successful candidate will be a cellular, molecular, or integrative neuroscientist with a Ph.D., M.D., or equivalent degree and an established research program relating to ischemic neural injury and/or functional recovery from stroke. This individual will hold a position of Associate Professor (with tenure) or Professor (without tenure) and facilitate the integration of pre-existing Center on Aging clinical research programs in rehabilitation with a strong neuroscience group whose interests include neural death, plasticity, pathogenesis, motor control and development. Send curriculum vitae, a statement of research interest, and names and addresses of three references to: Stephen L. Blank, M.D., M.P.H., Director, Center on Aging, University of Kansas Medical Center, 3901 Rainbow Boulevard, Kansas City, KS 66160-7117. KUMC is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

TENURE-TRACK POSITION

STROKE AND AGING

The University of Kansas Medical Center (KUMC) is seeking applications for a new FACULTY POSITION in the Center on Aging and an appropriate basic science department. The successful candidate will be a cellular, molecular, or integrative neuroscientist with a Ph.D., M.D., or equivalent degree and an established research program relating to ischemic neural injury and/or functional recovery from stroke. This individual will hold a position of Associate Professor (with tenure) or Professor (without tenure) and facilitate the integration of pre-existing Center on Aging clinical research programs in rehabilitation with a strong neuroscience group whose interests include neural death, plasticity, pathogenesis, motor control and development. Send curriculum vitae, a statement of research interest, and names and addresses of three references to: Stephen L. Blank, M.D., M.P.H., Director, Center on Aging, University of Kansas Medical Center, 3901 Rainbow Boulevard, Kansas City, KS 66160-7117. KUMC is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

The Department of Biology, Tennessee Technological University, invites applications for a tenure-track appointment at the ASSISTANT PROFESSOR level in field botany, Molecular Plant Systems, beginning August 1996. Applicants should be Ph.D. qualified and be broadly trained in biology. Teaching responsibilities include general botany, environmental botany, advanced courses. The successful candidate will be expected to develop an active research program, direct graduate student research, and serve as curator of the herbarium. Involvement in undergraduate research with students, and willingness to contribute to the curriculum vitae, and names, addresses, and telephone numbers of three references to: Chair, Search Committee, Department of Biology, Tennessee Technological University, Cookeville, TN 38505. Closing Date: January 15, 1996 or until filled.

An Equal Opportunity/Affirmative Action Employer.

The Department of Biology, Tennessee Technological University, invites applications for a tenure-track appointment at the ASSISTANT PROFESSOR level in field botany, Molecular Plant Systems, beginning August 1996. Applicants should be Ph.D. qualified and be broadly trained in biology. Teaching responsibilities include general botany, environmental botany, advanced courses. The successful candidate will be expected to develop an active research program, direct graduate student research, and serve as curator of the herbarium. Involvement in undergraduate research with students, and willingness to contribute to the
Applications is located status and of Department Ph.D. applicant enrollments Candidates should have interests which merit nominations, current and/or estimations to join the Department of Macromolecular Sciences.

Qualifications include a Ph.D. in Biochemistry, Chemistry or a related field with at least 2 years of postdoctoral experience, plus demonstrated creativity and productivity as evidenced in a strong publication record. Thorough knowledge of protein structure/function relationships and enzymology, and experience in the application of biophysical techniques are required. Excellent oral and written communication skills and the ability to interact in a multidisciplinary environment are key.

Located in our state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers an excellent compensation/benefits/relocation package. Interested candidates should send C.V. with salary requirements to: SmithKline Beecham Pharmaceuticals, Job Code HS-0488, P.O. Box 2645, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/DV.

Challenging the natural limits.

SmithKline Beecham Pharmaceuticals

DISCOVER SUGEN: A LEADER IN SIGNAL TRANSDUCTION RESEARCH

SUGEN, Inc., a dynamic biopharmaceutical company in the San Francisco Bay Area, is focused on the discovery and development of drugs for the treatment of cancer, immunological disorders and diabetes. Our research teams identify novel kinases and phosphatases, and elucidate signaling pathways in disease relevant models. We currently have the following opportunities.

Immunology

GROUP LEADER: This group will focus on immunosuppression and inflammation. The position requires a Ph.D. and several years of experience in immunological research. Experience in signal transduction pathways essential.

Gene Expression

SCIENTIST: This Ph.D.-level position requires an individual experienced in vector construction and eukaryotic and prokaryotic expression systems.

Please send c.c., along with the names, addresses and telephone/fax numbers of three references, to: SUGEN, Inc., Human Resources Dept. SC, 515 Galveston Drive, Redwood City, CA 94063. A competitive salary and benefits, including stock options, support these positions. Equal Opportunity Employer.
POSTDOCTORAL POSITIONS

POSTDOCTORAL RESEARCH ASSOCIATE

Two grant-funded POSTDOCTORAL RESEARCH ASSOCIATE positions are immediately available. Applicants will participate in an epidemiological study of body composition and cardiovascular disease risk factors. The primary focus of the work will be to assist in analyzing data collected in the ongoing Feeds Lungs Health Study. Applicants will be expected to writing manuscripts describing specific findings from these data. Opportunities exist for participating in the development of new methods for the study of biomarkers in adipose tissue. A doctoral degree in one of the following areas is required: epidemiology, sports medicine, biostatistics, or exercise physiology. Applicants must have experience in epidemiology or a related field. Ability to work independently and cooperatively within a team of established investigators is essential. Current research interests within this team include methods to study obesity and overweight over the life span in the development of cardiovascular and other age-related diseases, and the role of physical activity and aging. Applicants with statistical and analytical background are welcome. Interested candidates should send a curriculum vitae and a brief summary of research experience to: Geisinger Human Resources (DCC), 100 North Lycoming St., Danville, PA 17822-1829. Equal Opportunity Employer. Minority/Female/Disabled/Veteran.

POSTDOCTORAL POSITION

POSTDOCTORAL RESEARCH ASSOCIATE

Available immediately to investigate the function of transmembrane heparan sulfate proteoglycans in the developing nervous system. A broad range of cell biological, molecular, and biochemical techniques will be utilized. Experience with cell culture and molecular biology techniques (cloning, mammalian expression, site directed mutagenesis) and protein purification is desirable. Interested candidates should send a curriculum vitae, names of three references, and a brief summary of research experience to: Geisinger Human Resources (DCC), 100 North Lycoming St., Danville, PA 17822-1829. Equal Opportunity Employer. Minority/Female/Disabled/Veteran.

POSTDOCTORAL RESEARCH ASSOCIATE

Available for the study of human molecular genetics of inherited ophthalmic diseases. Current research includes: Linkage mapping, mutation analysis, SSCP, DGGE, Cosmid Contig maps, selective hybridization cloning, library screening, apoptosis research, gene transfer studies. Send curriculum vitae and names, telephone and Email address of three references to: Kent W. Small, M.D., Associate Professor, Doris Stein Eye Research Center, 200 Stein Plaza—UCLA, Los Angeles, CA 90024-7007. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIP: excellent opportunity to participate in research program to utilize protein chemistry and molecular biological techniques in reproductive endocrinology among a diverse group of scientists. Send curriculum vitae and a brief statement of research interest to: Dr. Robert E. Canfield

Columbia University

College of Physicians & Surgeons

630 West 168th Street, New York, NY 10032

Columbia University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH

Transcriptional Regulation and Virology


POSTDOCTORAL POSITION

POSTDOCTORAL POSITION

Biological Mass Spectrometry

Position available early 1996, projects involve structural studies of proteome microarray and small cell HPLC method development. Submit curriculum vitae and a brief statement of research interests to: Dr. Murray Hackett, Department of Toxicology, University of Washington, Box 357610, Seattle, WA 98195-7610. Application address for further information to: Dr. Murray Hackett, University of Washington, Department of Toxicology is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL OPPORTUNITY at the University of Washington to explore the role of the liver in the catabolism of the endogenous cytokine RANTES. Requirements: Ph.D. in relevant biology with at least three years of post-degree laboratory experience. Experience in cloning transcription factors desired. Send curriculum vitae with three references to: Dr. Allen Krensky, Department of Pathology, Stanford University, Stanford, CA 94305-8119.

RESEARCH ASSOCIATE

RESEARCH ASSOCIATE position available immediately to clone transcription factors regulating expression of the chemoattractant cytokine RANTES. Requirements: Ph.D. in relevant biology with at least three years of post-degree laboratory experience. Experience in cloning transcription factors desired. Send curriculum vitae with three references to: Dr. Allen Krensky, Department of Pathology, Stanford University, Stanford, CA 94305-8119.

ENDOCRINOLOGY FELLOWSHIP

Unexperienced, available starting July 1996 in multidisciplinary fellowship program. Pediatric endocrinology. Will accept transfers from other program. Contact: Maria Grant, Chief, Division of Endocrinology, Department of Medicine, University of Alabama at Birmingham, Birmingham, AL 35294, Phone: 205-975-9469, Fax 205-975-9468. Must be able to commit by December 31, 1995.
CANCER PREVENTION RESEARCHER

The H. Lee Moffitt Cancer & Research Institute and the College of Medicine at the University of South Florida are seeking applicants for a tenure-earning Associate or Full Professor faculty position for a laboratory based independent researcher with expertise in translational research. This position will be in the Cancer Prevention Program.

The successful candidate will be a doctoral level (MD or Ph.D.) investigator who will have responsibility for conducting laboratory research in the area of molecular and immunohistochemical markers for the early detection of preneoplastic conditions and early cancer. This research should lead to the design of interventions to target these markers with chemopreventive agents. The successful candidate will also have an established track record of obtaining external funding and five years academic or research experience at, or comparable to, the Assistant Professor level. The position will include heading up the Molecular Core Laboratory designed to support marker studies initiated by clinical researchers at the Cancer Center.

Send inquiries and current curriculum vitae to Gail Shaw, M.D., Program Leader, Office of Faculty Recruitment, 12902 Magnolia Drive, Tampa, Florida 33612. Applicants must be postmarked by deadline date of January 31, 1996.

H. LEE MOFFITT CANCER CENTER & RESEARCH INSTITUTE
University of South Florida College of Medicine

MoFFIT Cancer Center is an Equal Opportunity Employer. The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Employer. For disability accommodations please contact Jody Swanson at (813) 975-7894 a minimum of five working days in advance.
Department of Earth and Atmospheric Sciences
University of Alberta

Tenure Track Position in Resource/Environmental Management

The University of Alberta recently established the Department of Earth and Atmospheric Sciences through the merger of the Departments of Geology and Geography. Detailed information about the department can be found on the World Wide Web at: http://www.ualberta.ca/~eas/home.html. The new department wishes to further strengthen its teaching and research in the area of Resource/Environmental Management. We are particularly interested in an individual with expertise in the social dimensions of environmental earth science and geological activity.

The appointment will be at the Assistant Professor level (salary range of $39,230-$55,526). Applicants must hold a Ph.D. degree and have a proven research record. Previous teaching experience would be a significant asset.

Two Tenure Track Positions in Geoprocessing

The University of Alberta recently established the Department of Earth and Atmospheric Sciences through the merger of the Departments of Geology and Geography. Detailed information about the department can be found on the World Wide Web at: http://www.ualberta.ca/~eas/home.html. The new department wishes to further strengthen its research programs in geoprocessing through the appointment of two new faculty members. Appointees will have responsibility for teaching and research in the areas of Geographic Information Systems (GIS), Cartography, Remote Sensing, and Quantitative Methods (with emphasis on spatial applications). Experience with application of these methods to an area of research such as biogeography, human geography, terrain analysis, geological exploration, geological mapping, and/or atmospheric sciences would be an advantage.

One position will be at the Assistant Professor level and the second position may be at a higher level if the candidate has a proven track record in teaching and research.

Salary ranges are: Assistant Professor - $39,230-$55,526; Associate Professor - $48,736-$69,664; and Professor starting at $60,567. Applicants must hold a Ph.D. degree and have a proven research record. Previous teaching experience would be a significant asset. Applications, including a resume, a statement of research interests, and the names and addresses of three referees, should be addressed to Dr. Brian Jones, Chair, Department of Earth and Atmospheric Sciences, University of Alberta, Edmonton, Alberta, Canada, T6G 2E3. (Fax: 403-492-2050; e-mail: bjones@gpu.srv.ualberta.ca). Deadline for receipt of applications is January 15, 1996. The appointment will commence on January 1, 1996 providing suitable candidates can be found.

In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.

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

POST DOCTORAL RESEARCH POSITION
UNIVERSITY OF ARIZONA
DEPARTMENT OF ASTRONOMY
STEWARD OBSERVATORY
CENTER FOR ASTRONOMICAL ADAPTIVE OPTICS

Applications are invited for a research associate position with the Center for Astronomical Adaptive Optics. The Center is building a powerful adaptive optics system for operation with the new 6.5 m telescope which will replace the MMT in 1997. The system will routinely achieve the diffraction limit of the 6.5 m aperture at 1.6 and 2.2 microns. Very low thermal background is projected since correction will be done with an adaptive secondary. The sodium laser guide star system to be used with the 6.5 m is already installed at the present MMT, allowing 0.3 arcsec images over the whole sky by rapid correction of image motion.

Applicants must have a recent PhD in astronomy, and will be expected to concentrate on scientific observations with adaptive optics at wavelengths from 1 to 2.5 microns. Preference will be given to the candidate who brings expertise in areas of extragalactic astronomy, complementing current research on the solar system, stellar companions and the Galactic center. Previous experience with adaptive optics and an interest in the physics and technology underlying adaptive correction will be taken into consideration.

The position is funded for two years at a salary beginning at $38,000, with the possibility of extension. Interested applicants should send curriculum vitae and names and addresses of three referees to Dr. Roger Angel at Steward Observatory, University of Arizona, Tucson, Arizona 85721, (520) 621-4409, fax (520) 621-9843. Application review will begin January 2, 1996. The University of Arizona specifically encourages applications from women and minorities. AA/EO/ADA.

The University of Montana

VICE PRESIDENT FOR RESEARCH AND DEVELOPMENT

The University of Montana-Missoula invites applications and nominations for the position of Vice President for Research & Development. The Vice President will provide leadership and direction for all research programs at the University in Missoula and will coordinate research and creative activities at the University's other campuses. The Vice President reports directly to the President of the University, acts on the President's behalf for research activities and is responsible for research planning, program development and developing new opportunities for research. The Vice President develops relationships with governmental agencies and the private sector, strengthens research infrastructure and nurtures ideas and research initiatives.

The University of Montana includes campuses in Missoula, Butte, Dillon and Helena. The University of Montana-Missoula is a comprehensive, doctoral-granting institution committed to excellence in teaching, research and service. The University maintains nine doctoral and 43 masters' programs, having a combined graduate enrollment of over 1,700 students, and has rapidly growing research and creative activities.

Candidates must have an earned doctorate and a strong record of research and other achievements, a clear understanding of the role of research and creative activities and their relationship to graduate education, demonstrated experience in research administration, the developed ability to communicate effectively, and the capacity to provide leadership essential to the continued development of research and creative activity at the University.

Salary will be commensurate with experience and qualifications. The position is available July 1, 1996. Nominations must be received no later than 16 January 1996 and applications, including vitae and the names of five references, by 16 February 1996.

Address all inquiries, applications and nominations to:
Mr. Robert Frazier, Executive Assistant to the President
Chair, Vice Presidential Search Committee
The University of Montana
Missoula, MT 59812-1291
Telephone: (406) 243-2311; FAX: (406) 243-2797
e-mail: frazier@lewis.umt.edu

The University of Montana is an equal opportunity employer.
VASCULAR BIOLOGIST/PHARMACOLOGIST

The Pharmacology Department of Merck Research Laboratories, a world leader in the discovery and development of pharmaceutical and biological products, has a career opportunity for a Vascular Biologist/Pharmacologist. The successful candidate will be responsible for the development of new, quantitative animal models of vascular growth and repair such as re-endothelialization, angiogenesis, vascular reactivity, proliferation and restenosis. Candidate will also participate in ongoing antithrombotic/anticoagulant projects by conducting and/or supervising in vivo experiments.

The position requires an M.D., Ph.D. or equivalent in physiology, pharmacology or related field with a minimum of 2 years postdoctoral experience.

Excellent salary and benefit programs accompany this position at our modern research facilities located 25 miles north-west of Philadelphia.

Please send curriculum vitae with cover letter to: Personnel Manager, Ad#B-31, MRL Human Resources, WP 42-2, Merck Research Laboratories, P.O. Box 4, West Point, PA 19486. EEO/AA/V/Employer.

TOXICOLOGIST

Rohm and Haas Company, a leading chemical company serving global markets, has an immediate opening for a Toxicologist with expertise in in vitro methodology. This position is at our Corporate Research Center in Spring House, PA, near Philadelphia.

We are looking for a scientist to assume the leadership of a laboratory conducting assays in genetic toxicology, as well as research in toxicology using in vitro methods. The assays and research are primarily directed toward the expedient development of new products for regulatory acceptance.

The successful candidate will have a Ph.D. degree in a relevant discipline, with demonstrated technical expertise in in vitro toxicology methods: e.g., genetic toxicology, cytotoxicity, receptor-mediated toxicity. This scientist will also have a substantial publication record in the peer-reviewed literature.

Our position requires a broad perspective of toxicology, as well as outstanding oral and written communication skills to interact effectively with regulatory scientists and our company's scientific staff. Candidates must be skilled in project management and have the drive, aptitude and motivation to work effectively in multidisciplinary teams.

Rohm and Haas offers a highly competitive salary and benefits program, including relocation assistance. We invest heavily in research and in resources to develop our Research staff. Candidates must be legally qualified to hold regular employment in the U.S. For consideration, please forward your resumes to: Corporate Staffing #926, Rohm and Haas Research Laboratory B-70, 727 Norristown Road, Spring House, PA 19477-0904.

An Equal Opportunity Employer M/F/H.

MOLECULAR PLANT SYSTEMATIST

SIUE

The Department of Biological Sciences, Southern Illinois University at Edwardsville, invites applications for a tenure-track position in molecular plant systematics at the Assistant Professor level. We seek applicants with extensive training in botany and expertise in evolutionary biology. We are particularly interested in candidates who take a broad view of plant systematics, but who apply molecular techniques to problems in evolution, conservation biology or other related fields. The successful candidate will teach a course in modern plant systematics and share responsibility for teaching general botany for non-majors. Candidates should exhibit potential for independent and innovative research involving undergraduate and graduate students and a willingness to support the Ecology, Evolution and Environment specialization in Biological Science and the Environmental Studies Program. Qualifications: Ph.D., preferably in botany, with teaching experience, post-doctoral experience strongly preferred. To apply, send a letter of application with a statement of your teaching and research interests, curriculum vitae, university transcripts, names and addresses of three persons who will serve as references, and reprints of no more than three publications to: Chair, Molecular Plant Systematist Search Committee, Southern Illinois University at Edwardsville, Department of Biological Sciences, Box 1651, Edwardsville, IL 62026-1651. Review of applications will begin on Feb. 15, 1996 and continue until position is filled. SIUE is an affirmative action/equal opportunity employer.

WEST VIRGINIA UNIVERSITY

Two Tenure-Track Faculty Positions

The Departments of Physiology and Otolaryngology at West Virginia University Health Sciences Center invite applications for two state-funded tenure-track faculty positions available Spring 1996. We seek scholars to establish vigorous and independent research programs and to participate in departmental teaching and service missions. Qualified applicants with established records of research productivity are invited to apply for either position or for both, as appropriate. Applicants should send a letter of application, a curriculum vitae, reprints of publications, a statement of research interests and professional goals, and arrange to have three letters of recommendation sent by January 15. Applications received by the deadline will be considered.

The PHYSIOLOGY DEPARTMENT seeks a scientist to apply molecular and cellular approaches to fundamental mechanisms of development, plasticity or remodeling. The department is building an integrative group to investigate physiological mechanisms at the molecular and cellular level. Address application to: Dr. David L. Kreulen, E.J. van Lierde Professor and Chair, Department of Physiology, Box 9229, West Virginia University, Morgantown, WV 26506.

The OTOLARYNGOLOGY DEPARTMENT seeks an individual to join a growing group of scientists and to apply molecular approaches to fundamental questions in the auditory or vestibular systems. Candidates with interests in development, regeneration, signal transduction, cell biology and/or molecular genetics are encouraged to apply. A joint appointment in the appropriate basic science department is available. Address application to: Dr. Stephen J. Wetmore, Chair, Department of Otolaryngology, Box 9200, West Virginia University, Morgantown, WV 26506.

West Virginia University is an Affirmative Action/Equal Opportunity Employer.
REQUEST FOR PROPOSALS

MOLECULAR GENETIC STUDIES

INHERITED RETINAL DEGENERATIONS

Proposals are invited for molecular genetic analysis of inherited retinal degenerations such as retinitis pigmentosa and allied disorders, Usher syndrome, and inherited macular degenerations. Proposals must focus on the genetic etiology of retinal degeneration, definition of the mechanisms related to known genetic etiologies, and/or therapeutic approaches based on known etiology and mechanisms. Innovative approaches to causes of the understudied genetic types, especially recessive, are encouraged.

New and renewal applications will be reviewed together by a special panel of consultants to The Foundation's Scientific Advisory Board, solely on the basis of scientific merit and program relevance. Awards will average $100,000 annually for three years.

Interested individuals should submit a letter of intent which briefly summarizes the proposed research, provides background of the laboratory, includes curricula vitae of the principal investigators and gives an approximate budget. Following a preliminary review, complete applications will be invited from a limited number of applicants. Deadline for letter of intent is January 22, 1996, for application is May 3, 1996, and funding is expected to begin September 1, 1996.

Address letters of intent to: Department of Science, The Foundation Fighting Blindness, Executive Plaza One, Suite 800, 11350 McCormick Road, Hunt Valley, MD 21031-1014. Telephone: 410-785-1414, FAX: 410-771-9470. (Formerly: RP Foundation Fighting Blindness, Baltimore, MD)

GLOBAL CAREER OPPORTUNITIES

The Chinese University of Hong Kong
Faculty of Medicine

The University (founded 1963) offers comprehensive programmes up to PhD level. Student enrollment in 1995–96 is around 11,500 full-time equivalent. The Faculty of Medicine offers undergraduate and postgraduate programmes in Medicine, Nursing and Pharmacy. The MBChB programme admits 160 students annually and is fully recognized by the General Medical Council of the United Kingdom. Clinical courses are taught at the Medical Faculty's 1,450-bed teaching hospital, the Prince of Wales Hospital, which is one of the regional hospitals in Hong Kong and at the Lek Yuen Health Centre. English is used in teaching and administration in the Faculty of Medicine.

Applications are invited for the following post:

Department of Physiology (Ref. 95/12986/2)
Lecturer (carrying the title of Assistant Professor or Associate Professor, as appropriate)

Applicants should have a Ph.D. degree or a medical qualification and some teaching and research experience in the field of Physiology. The Department offers courses to medical, nursing and pharmacy students of the Faculty and students majoring in Human Biology. The Department specialises in research in the areas of ion channels and epithelial transport, sensory and central nervous system physiology, vascular physiology, muscle physiology, molecular endocrinology and reproductive physiology. The appointee is expected to assume duty in August 1996 or as soon as possible thereafter.

Annual Salary and Fringe Benefits
HK$454,200-758,700 by 10 increments (approx. exchange rate in November 1995: US$1 =HK$7.8)
Starting salary will be commensurate with qualifications and experience.

Benefits include leave with full-pay, medical and dental care, education allowance for children, housing benefit for eligible appointee (with appointee contributing 7.5% of salary towards the provision of housing). Appointment may be made either on regular or contract terms. Under regular contract, retirement benefits are provided by the University. Fixed term contract also carries where appropriate a contract-end gratuity (15% of basic salary).

Application Procedure
Send full resume in duplicate and names and addresses of three referees, with copies of academic credentials (in duplicate) and recent publications, to the Personnel Office, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong (Fax: 852/2603 8685) before December 31, 1995. Please quote the ref. no and mark “Recruitment” on cover. (Note: The University reserves the right not to fill the post or to fill the post by invitation.)

UNIVERSITY OF COLORADO
AT BOULDER
Molecular, Cellular, and Developmental Biology

We seek tenure-track faculty working on developmental biology of multicellular eucaryotes, particularly mammals. Preference will be given to candidates at the assistant professor level. Appointments could begin as early as August 1996. Successful candidates must have demonstrated outstanding research ability and teaching skills. Send résumé, representative reprints, an outline of future research directions, and three letters of recommendation to: New Faculty Search, MCD Biology, University of Colorado, Boulder, CO 80309-0347. Dossiers considered upon receipt. Latest possible receipt of all application materials: 2/1/96.

The University of Colorado is an equal opportunity/affirmative action employer.

GLOBAL CAREER OPPORTUNITIES

AUSTRALIAN NATIONAL CENTRE IN HIV VIROLOGY VACANCY FOR SENIOR SCIENTIST

The Australian National Centre in HIV Virology Research laboratories at the Macfarlane Burnet Centre for Medical Research, in Melbourne, is seeking a highly-qualified, independent HIV virologist.

The National Centre laboratories at Macfarlane Burnet Centre have a staff of approximately 30 scientists, and are conducting work in a variety of areas of HIV virology, including control of transcription, function of HIV accessory proteins, mechanisms of drug resistance, characterization of virus strains from long-term non-progressors, ascertaining the role of macrophages and dendritic cells in HIV pathogenesis, and development of novel therapeutics (including gene therapy) and vaccines for HIV infection. The Centre is part of the Macfarlane Burnet Centre, Australia’s premier virology research institute which has a staff of 120, with major research programs in epidemiology, international health, hepatitis viruses and respiratory viruses, in addition to the HIV research being conducted by the National Centre units. The academic environment, space, and technical facilities are excellent. Melbourne is one of the most livable cities in the world, and is also he centre of Australia’s first-rate biomedical research community.

The Centre is seeking an independent scientist with a clearly defined research program on HIV, or in a closely related area, to join one of the three National Centre laboratories at Macfarlane Burnet Centre. The areas of research that the applicant pursues is flexible; the main criterion is that it complements the existing research programs of the Centre. Applicants should have substantial research experience, a strong publication record in high-quality, peer-reviewed journals, and should show evidence of scientific creativity and independence.

Further information from: Professor John Mills—Director
Phone: 61 3 9290 2823
Fax: 61 3 9290 2926

Salary is negotiable and will be in accordance with current NH&MRC levels in the range of Senior Research Fellow (From Aust. $56,440) to Principal Research Fellow (Aust. $68,571).

Applications with complete resume and three work related referees should be addressed to:
Mr Derrick Harvie, Administrator, NCHVR
C/o Macfarlane Burnet Centre, P.O. Box 254, Fairfield Victoria 3078 Australia
RESEARCH ASSOCIATE

A world leading biotechnology company seeks the following professional to work in California.

You will participate in a neurobiology research project using your expertise in laboratory procedures and extensive laboratory animal handling. A B.A./B.S. in psychology, neurobiology, or biology is required, as is four plus years of laboratory experience, preferably in the pharmaceutical industry. You will use DOS software to compile and analyze data. Prefer experience with HPLC-ECD, lipid biochemistry, basic neurohistology, and neuropharmacological assays.

For immediate consideration, please mail your resume to: Personnel Department, Job Code: LAB, 1524G Cloverfield Boulevard, Santa Monica, CA 90404. Principals only, please.

NMR FACILITY MANAGER

For six Varian spectrometers (200-500 MHz) and a 4.71T imager/spectrometer. Respond by telephone to a computer search for a molecular biologist. Must be familiar with SUN computers and UNIX. Additional duties include operator training network and accounting management. Implementation of computerized coil and sample tracking and construction of specialized items such as surface coils. Experience with molecular modeling desirable. Ability to interact effectively and manage a variety of investigators is important. PhD or equivalence is required. Send curriculum vitae and three letters of reference to: Dr. Stanford Smith, Chemistry Department, University of Kentucky, Lexington, KY 40506-0055. The University of Kentucky is an Equal Opportunity Employer.

MOLECULAR MICROBIOLOGIST

Panlabs, a leading drug discovery and process development service company, is seeking a MOLECULAR BIOLOGIST to genetically engineer industrial production strains of fungi and actinomycetes. A Ph.D. and several years of pertinent experience is desirable, but we will consider anyone with a demonstrated ability to solve difficult problems in molecular microbiology. The successful candidate will work at the bench, both independently and with the team. Strong communication and interpersonal skills are essential. Send curriculum vitae and names of three references to: Panlabs, Inc., Human Resources S12, 11804 North Creek Parkway South, Bothell, WA 98011. An Equal Opportunity Employer.

BEHAVIORAL NEUROSCIENTIST

The University of California, San Diego’s (UCSD) School of Medicine is seeking an experienced behavioral neuroscientist to collaborate with Gallo scientists to study behavioral responses to alcohol in animal models and transgenic mice. Experience in genetic and behavioral studies is critical. Send curriculum vitae and appointment commensurate with experience. Send curriculum vitae and three letters of reference to: Ivan Diamant, UCSD, 9500 Gilman Drive, La Jolla, CA 92037. An Equal Opportunity/AA/Disability Employer.

NASA PLANETARY BIOLOGY INTERNSHIPS

The Marine Biological Laboratory, Woods Hole, Massachusetts, invites applications from graduate students and recent graduates for a number of graduate level programs. Interns will receive awards of $2,200 plus travel to participate in research at NASA centers and collaborating institutions for approximately eight weeks. Typical intern programs include: global biogeochemistry, microbial evolution, and the origin and early evolution of life. Application deadline: March 1, 1996. For information/applications contact: M.D. Dolan, Planetary Biology Internship, Department of Biology, Box 3-5810, University of Massachusetts, Amherst, MA 01003-5810. Email: pdb@bio.umass.edu; Telephone: 413-545-3223. An Equal Opportunity/AA/Disability Employer.

SEARCH POSITION: MOLECULAR BIOLOGIST

USDA, Agricultural Research Service (ARS) announces a position for a Research Molecular Biologist (Insects), GS-14/15 for the Red River Valley Agricultural Research Center at Fargo, North Dakota. The successful applicant will lead a research project in the development of molecular and biochemical approaches for suppressing pest insect populations. Incumbent will utilize molecular biology techniques for somatic recombination, DNA sequencing, hybrid gene construction, and the development of gene transfer technology. Applicants must meet minimum education requirement, plus have at least one year of research experience that demonstrates equivalent to the next lower grade. Salary ($57,760 to $88,326 per annum plus 3.74% locality pay) is commensurate with qualifications. For vacancy announcement ARS-D-6-W-022 and application forms, call Ms. Melanie Nyberg, Telephone: 701-239-1203 and for information on research, contact Dr. Don Zimmerman, Telephone: 701-239-1370. U.S. citizenship is required. Application must be postmarked on or before December 26, 1995. ARS is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

COURSES AND TRAINING

1996 COURSE ANNOUNCEMENT

GENETIC ANALYSIS METHODS FOR MEDICAL RESEARCHERS

This intensive four-day course centers on mapping human genetic diseases with an emphasis on the mapping of complex common disease phenotypes. The concentration is on the entire disease mapping process, integrating clinical classification, pedigree collection, molecular genetic analysis, statistical analysis, and gene characterization. The course emphasizes the global decision-making process and overall study design. A residential conference center setting promotes extensive interaction between the students and the internationally recognized faculty.

Date and location: April 14–17, 1996, The Center for Executive Education at Babson College, Boston, Massachusetts.

Deadline for completed application: January 15, 1996. For information, write: Dr. Margaret Pericak-Vance, Box 2900, Duke University Medical Center, Durham, NC 27710; or contact: Ms. Nadine Powers, Course Administrator, Telephone: 919-684-6274; FAX: 919-684-6514; Email: gcenlass@genemap.mc.duke.edu. WWW: http://www.mc.duke.edu/depts/genetics/courses/index.html.

Computational Science Graduate Fellowship Program

The U.S. Department of Energy is offering a Graduate Fellowship in Computational Science. The award benefits of the program are: 1) Stipends ($1,500 per month for the first year); 2) Full payment of tuition and fees. 3) Opportunities for students entering first year graduate school with uninterrupted study toward a Ph.D. degree. 4) Renewable up to 48 months. 5) Practicum at DOE laboratories. For an application booklet contact: Computational Science Graduate Fellowship Program, Ames Laboratory, 126 William Hall, Ames, IA 50011. Telephone: 515-294-7900; Email: petersen@ameslab.gov. Application deadline: January 24, 1996. Must be a U.S. citizen or permanent resident.

The Fellowship is administered by the Ames Laboratory. This is an Equal Opportunity program and is open to all qualified persons without regard to race, sex, color, creed, age, physical disability or national origin.

NASA PLANETARY BIOLOGY INTERNSHIPS

The Marine Biological Laboratory, Woods Hole, Massachusetts, invites applications from graduate students and seniors for a number of graduate level programs. Interns will receive awards of $2,200 plus travel to participate in research at NASA centers and collaborating institutions for approximately eight weeks. Typical intern programs include: global biogeochemistry, microbial evolution, and the origin and early evolution of life. Application deadline: March 1, 1996. For information/applications contact: M.D. Dolan, Planetary Biology Internship, Department of Biology, Box 3-5810, University of Massachusetts, Amherst, MA 01003-5810. Email: pdb@bio.umass.edu; Telephone: 413-545-3223. An Equal Opportunity/AA/Disability Employer.
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