Crossflow Filtration Units
Sartocon-Micro crossflow filtration units are for concentration or purification applications ranging from 50 ml to 1 liter. The units close the gap between centrifugal units and crossflow module systems, providing individual crossflow systems that are complete, closed, presterilized, pyrogen-free, and ready to connect. They feature high flow rates, are easy to clean, require virtually no set up, and eliminate the need for gas pressurization. They eliminate the drawbacks of protein and peptide concentration with stirred cells. Sartorius. Circle 141.

Detection of Single Copy Sequences
Hybrisol XR Hybridization Solution enables the detection of single-copy gene sequences in as little as 1.0 pg of genomic DNA, using a 15-min prehybridization and 2-hour hybridization. This solution also offers the flexibility of performing overnight hybridizations, without the background observed with other rapid hybridization solutions. Hybrisol XR joins five other custom Hybrisol formulations for specific applications such as nonradioactive blotting and in situ chromosome hybridization. Oncor. Circle 145.

Literature

Membrane Filtration and Chromatography Catalog is an 80-page offering of more than 600 products and includes an applications guide. Amicon. Circle 148.

Laboratory Equipment for the Life Sciences includes a diverse array of standard and hard-to-find supplies for biomedical research. World Precision Instruments. Circle 149.

If You Need a Lab Out Here describes the features and applications of the SpectroChem 100, a notebook-size near-infrared spectrophotometer. AnalytiChem. Circle 150.

loss. Reaction time is reduced because of the fast transition from RT to PCR. Molecular Bio-Products. Circle 141.

Direct Computer Entry of Sequences
Readermouse allows DNA sequences to be read directly from x-ray film into a computer without the need for a keyboard. The

Plotting and Data Processing Software
PSI-Plot for Windows is a new version of technical plotting and data processing software. PSI-Plot provides standard editing functions, such as cut, copy, and paste, and many data analyzing tools, such as sorting, ranking, and automatically creating data. It performs complete statistical analysis, data transformation, digital signal processing, nonlinear parameter fitting and model development, and ordinary differential equation solving. Data can be exchanged with most popular file formats, including Lotus 1-2-3, Quattro Pro, DIF, MicroSoft Excel, and ASCII. A powerful plot editor with drawing tools, object alignment, and legend generator makes it easy to design and modify graphs. The program requires a 386-, 486-, or Pentium-based computer running MS Windows 3.1 or later, and a hard drive with at least 4 MB free disk space. Poly Software International. Circle 144.
POSITIONS OPEN

ASSOCIATE PROFESSOR

MOLLEULAR BIOLOGY/PHYSIOLOGY OF AGING

The Department of Physiology and the Sanders Brown Center on Aging at the University of Kentucky College of Medicine invite applications for a tenure-track position at the ASSOCIATE PROFESSOR level for an individual who will have a strong research program which emphasizes the use of molecular biological approaches to the study of age-related changes in physiological function and who will participate in our teaching program. Special consideration will be given to candidates who complement existing strengths of the department which include molecular, cellular and integrative aspects of neuro, endocrine, renal, respiratory and cardiovascular physiology. Interactions with other faculty within the Department and the Center on Aging, College of Medicine, School of Biological Sciences, College of Agriculture and the Markey Cancer Center provide a particularly stimulating research environment.

Applicants must have a Ph.D. or M.D. and at least three years of postdoctoral experience. Interested individuals should send curriculum vitae, a detailed statement of past experience, future research plans and three letters of reference to: Dr. Phyllis M. Wise, Chair, Department of Physiology, College of Medicine, University of Kentucky, Lexington, KY 40536-0084. Review of applications will begin October 1, 1995.

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

ASSISTANT, ASSOCIATE OR FULL PROFESSOR

University of Wisconsin-Madison

Applications are invited for a junior or senior TEN-URE-TRACK position in the Department of Neurological Surgery at the University of Wisconsin Medical Center. Applicants should have a Ph.D. with appropriate training in neurobiology, molecular biology and/or physiology. Experience will be expected to develop an independent research program with extramural research support to study the cell and molecular biological aspects of ischemic neuronal injury and brain trauma. Applicants will be expected to collaborate and interact with clinician-scientists in the neurological surgery group. Joint appointments in basic science departments are encouraged. Salary and start-up package will be commensurate with experience of the candidate. Please send a curriculum vitae, a summary of research plan and the names of at least three references to: Dr. Robin L. Drubin, M.D., Department of Neurological Surgery, University of Wisconsin Medical School, H4/342 Clinical Sciences Center, 600 Highland Avenue, Madison, WI 53792-3232. Unless otherwise requested in writing, information regarding the applicants must be released upon request.

Five candidates cannot be guaranteed confidentiality. The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

CELL CYCLE REGULATION

The Department of Molecular Genetics, Biochemistry, and Microbiology invites applications or nominations for an ASSOCIATE/FULL PROFESSOR in cell cycle regulation. The Department includes 28 full-time faculty having strong research programs in gene and chromosome structure; regulation of gene expression; development and differentiation; human and mouse genetics; membrane structure, function and transport; intracellular trafficking; molecular and cellular immunology; pathogenic mechanisms; and structural biology. We are also the lead department in the NHLBI-sponsored Program of Excellence in Molecular Biology of the Heart and Lung. The department supports an active graduate program and maintains core facilities including those for the production of transgenic and knockout mice and DNA synthesis and sequencing. Positions are available for the December 1995 hiring cycle. Applications and three letters of reference should be sent to: Dr. David E. Garvey, Department of Molecular Genetics, School of Medicine, University of Alabama, Birmingham, 1719 19th Street, Birmingham, Alabama 35294.

The University of Alabama is an Equal Opportunity Employer.

POSITIONS OPEN

STATISTICAL/POPULATION GENETICIST

The Medical University of South Carolina (MUSC) offers a tenure-track position as ASSISTANT or ASSOCIATE PROFESSOR with co-appointment in the Department of Medicine (Division of Endocrinology, Diabetes, and Medical Genetics) and the Department of Biometrics and Epiology. The individual will have a Ph.D. or M.D. degree and an established research program in statistical or population genetics related to human disease with or without an involvement in molecular genetics. He/She will be expected to develop an independent research program and to participate in ongoing activities at MUSC, notably the genetic epidemiology of diseases afflicting African-Americans. Applicants should be experienced to participate in the development of a world-class family registry for positional cloning of diabetes and obesity genes, in linkage analyses and study design, and in genetic epidemiology components complementing other large population-based studies. Send curriculum vitae, statement of research interests, and references to either co-chair of the search committee: Dr. Tim Garvey, Director, Division of Endocrinology, Diabetes, and Medical Genetics, Telephone: 803-792-2529; FAX: 803-792-2529; Email: garvey@musc.edu, or Dr. David Hoel, Chair, Department of Biometry and Epidemiology, Telephone: 803-792-2262; FAX: 803-792-1123; Email: dhoel@musc.edu, MUSC, 171 Ashley Avenue, Charleston, SC 29425. Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE/FULL PROFESSOR

Microbiology (Two Positions)

Bacteriology/Immunology/Immunoparasitology

These TENURE-TRACK positions are available January 1, 1996. Candidates should have a Ph.D., M.D., D.V.M., D.D.S., or equivalent degree and at least two years of postdoctoral training. Preference will be given to applicants with research interests in bacteriology, involving basic cell biology, or in immunology/immunoparasitology. The appointments will be expected to conduct vigorous independent research and to teach microbiology to students of medicine, dentistry, and other health-related professions. A laboratory space and start-up support will be provided. Salary is negotiable. Interested persons should submit curriculum vitae, brief descriptions of research interests, and the names and addresses of three references. All materials should be sent to: Dr. John Hay, Professor and Chairman, Department of Microbiology, School of Medicine and Biomedical Sciences, State University of New York at Buffalo, 38 Farber Hall, Buffalo, NY 14214. Deadline for receipt of applications is December 31, 1995. State University of New York is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

Department of Pathology, University of Virginia Health Sciences Center, Charlottesville, Virginia. A tenure-track position is available for a Ph.D., M.D., or D.V.M. with at least three years of postdoctoral experience in molecular biology related to cancer. The individual will be expected to develop a vigorous, externally funded research program for the study of the molecular genetics of prostate cancer.

Applicants should send a curriculum vitae, a detailed research proposal for the molecular genetic study of prostate cancer, names, addresses, and telephone numbers of three references, and copies of the last three most significant publications to: Herman F. Lederman, Jr., M.D., Department of Pathology, Box 214, University of Virginia Health Sciences Center, Charlottesville, VA 22908. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

HARVARD UNIVERSITY

DEPARTMENT OF CHEMISTRY

Assistant Professorship in Inorganic Chemistry

Applicants are invited to apply for an ASSISTANT PROFESSORSHIP in inorganic chemistry. Applicants should arrange to have three letters of recommendation sent to:

Professor Richard L. Schrock
24 Garden Street
Cambridge, MA 02138

Deadline for receipt of applications is March 1, 1996. Harvard University is an Equal Opportunity/Affirmative Action Employer and welcomes applications from women and minority group members.

Science Personnel Placement

Date: 3/1/95

Display Personnel Advertisements

For rates and info. for fractional display ads call:

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Geron is the first biotechnology company to focus exclusively on the development of therapeutic agents for age-related diseases emerging from new advances in molecular and cellular gerontology. These diseases include atherosclerosis, senile dementia, age-related immune suppression and cancer. Please join us in one of the following:

Research Associate — Protein Purification

The Protein Chemistry group works to understand the mechanisms involved in regulating cellular senescence. The qualified candidate must have a BS or equivalent along with 2+ years’ laboratory experience in protein chemistry. Experience in protein purification and characterization, enzymatic assays, standard molecular biology techniques and handling of radioisotopes is required.

Postdoctoral Position — Molecular Biology, Human Telomerase

Geron has recently cloned the RNA component of the human enzyme. This postdoctoral position will investigate the biochemistry and molecular biology of human telomerase (a ribonuclease protein whose activity is associated with immortalization and tumorigenesis). You will participate in on-going efforts to define the interaction of the RNA and protein components as well as identify and clone the remaining protein components of the enzyme. A thorough background in molecular techniques, including library screening and DNA sequencing is required. Experience with RNPs and RNA-protein interactions would be an asset.

Our innovative research company offers a competitive salary, benefits and stock incentive program. Please send your resume to: Geron Corporation, Attn: Human Resources Dept., 200 Constitution Drive, Menlo Park, CA 94025. EOE.

THE ROBERT A. WELCH FOUNDATION
39TH CONFERENCE ON CHEMICAL RESEARCH
NANOPHASE CHEMISTRY
October 23-24, 1995
Adam’s Mark Hotel, Houston, Texas

MONDAY, OCTOBER 23

RICHARD J. V. JOHNSON, Chairman of the Board of Directors
W. O. BAKER, Introductory Remarks
ROBERT A. LAUDISE, Preface

SESSION I
JEAN-MARIE P. LEHN, “Towards Supramolecular Nanochemistry through Self-Assembly”
LOUIS E. BRUS, “Perspectives on Nanochemistry”
RICHARD E. SMALLEY, “Chemistry of Clusters”
LAURENCE DAHL, “New frontiers in High Nuclearity Transition Metal Cluster Chemistry”

SESSION II
TAKAYOSHI KOBAYASHI, Discussion Leader
HOWARD REISS, “From Colloids to Clusters”
R. STEPHEN BERRY, “Cluster Dynamics; Potential Surfaces”
A. PAUL ALIVISATOS, “Nanocrystals and Phase Transitions”
J. FRASER STODDART, “Molecular Nanostructures”

TUESDAY, OCTOBER 24

SESSION III
MARYE ANNE FOX, Discussion Leader
GEORGE M. WHITESIDES, “Self-Assembled Monolayers and Lithography”
THOMAS E. MALLLOUK, “Self-Assembly of Nanostructures from Inorganic Building Blocks”
STEPHEN S. MANN, “Molecular Tectonics in Biomimicry and Biomimetic Materials Chemistry”

1995 WELCH AWARD IN CHEMISTRY LUNCHEON
ROBERT H. ABELES, “Novel Inhibitors of Thiol & Serine Proteases”
JEREMY R. KNOWLES, “The Anatomy of an Enzyme”

SESSION IV
ALLEN J. BARD, Discussion Leader
JAY K. TRAUTMAN, “Near Field Optics in Nanostructures”
DONALD M. EIGLER, “Molecular Movement in Nanophase Dimensions”
ROBERT M. WESTERVELT, “Quantum Behavior in Nanoparticles”
HEINRICH ROHRRER, “The Nanometer Age: Chance and Challenge”

ADVANCE REGISTRATION FORM

_____ I will attend the conference. 
_____ I will attend the luncheon.

Dr. Mr. 
Mrs. Ms. 
(Last) (First) (Middle)

Position

Organization

Department

Address

The conference is open to all and there is no registration fee. Advance registration will be acknowledged and accepted in order of receipt, to within the capacity of the available space. Please make your hotel reservations directly with the Adam’s Mark Hotel at 800-436-2326 or 713-735-2701.

Return the above form by October 9 to: The Robert A. Welch Foundation
4605 Post Oak Place, Ste. 200
Houston, Texas 77027
713-961-9884 Fax: 713-961-5168


**POSITIONS OPEN**

**MOLECULAR/CELLULAR PHYSIOLOGIST IN MUSCLE CONTRACTION/CELL MOTILITY**

Department of Physiology and Biophysics
University of Illinois at Chicago

The Department of Physiology and Biophysics seeks a tenure-track position at the level of ASSISTANT PROFESSOR or ASSOCIATE PROFESSOR. We are seeking candidates with interests in molecular and cellular aspects of muscle contraction and cell motility. Applicants must have a Ph.D. in an area relevant to the position and several years of postdoctoral experience, and should be prepared to carry out independent research and to participate in the teaching activities of the department. Applicants should be able to teach mammalian physiology to graduate and health professional students, and to develop an advanced graduate-level course in their area of interest. Strengths of the department include molecular physiology of muscle contraction/cell motility, signal transduction and neurophysiology, molecular endocrinology, and epithelial transport biology. Applicants should have a curriculum vitae and bibliography, a statement of current research interests, and the names of three references to: Dr. R. John Solaro, Department of Physiology and Biophysics, M.C. 9011, University of Illinois College of Medicine at Chicago, 835 South Wolcott Avenue, Chicago, IL 60612-7342.

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

Biochemistry FACULTY POSITION: San Francisco State University, Department of Chemistry and Biochemistry invites applications for a tenure-track ASSISTANT PROFESSORSHIP, to begin fall 1996. Applicants must have a Ph.D. in Biochemistry (postdoctoral experience preferred). Candidates must be committed to excellence in teaching and research, and are expected to initiate a fundable research program involving undergraduates and M.S. students. Areas of research interest include: protein engineering, physical characterization of biochemical macromolecules, and regulation of cellular events at the molecular level. Send curriculum vitae, detailed description of research plans, and three letters of recommendation to: Biochemistry Search Committee, Department of Chemistry and Biochemistry, San Francisco State University, 1600 Holloway Avenue, San Francisco, CA 94132. Closing date for application is November 15, 1995. San Francisco State University is an Equal Opportunity/Affirmative Action Employer.

**NMR SPECTROSCOPIST**

The University of Maryland at Baltimore NMR Facility is seeking a highly qualified NMR spectroscopist to fill a RESEARCH ASSISTANT PROFESSOR position. A Ph.D. and considerable experience in the application of high resolution heteronuclear multidimensional NMR spectroscopy is required. The successful candidate will conduct active research and manage the daily operations of a state-of-the-art 600 MHz Bruker DXP spectrometer. Applicants should send curriculum vitae and the names of three references to: Dr. David J. Weber, The Department of Biological Chemistry, The University of Maryland at Baltimore, School of Medicine, 108 North Greene Street, Baltimore, MD 21201. Equal Opportunity Employer.

**DEVELOPMENTAL BIOLOGIST**

The Department of Biological Sciences at the University of Notre Dame invites applications for a TENURE-TRACK FACULTY POSITION. The successful candidate is expected to develop and maintain an active research program in an area of modern developmental biology. Outstanding applicants in all areas of developmental biology will be considered. Teaching responsibilities will be one course per semester and will include an undergraduate course in developmental biology. The University of Notre Dame offers competitive salary and startup packages. Interested applicants should send research statements, curriculum vitae, and the names and three references to: Dr. Sandy L. Boyd, Department of Biological Sciences, University of Notre Dame, Notre Dame, IN 46556. The University of Notre Dame is an Affirmative Action/Equal Opportunity Employer encouraging women and minorities to apply.

**POSITIONS OPEN**

**HARVARD UNIVERSITY**

**DEPARTMENT OF CHEMISTRY**

Assistant Professorship in Organic Chemistry

Applicants are invited to apply for an ASSISTANT PROFESSORSHIP in organic chemistry. Applicants should arrange to have three letters of recommendation sent independently with a current vita, a list of publications and outlines of two future research projects. Applications and supporting materials should be sent no later than 21 October 1996. Professor James E. Corey, Chairman of the Faculty Search Committee, Department of Chemistry, Harvard University, 12 Oxford Street, Cambridge, MA 02138-2902. Harvard University is an Equal Opportunity/Affirmative Action Employer. Women and applicants from minority groups are encouraged to apply. We welcome applications and welcomes applications from women and minority group members.

**DIRECTOR OF MOLECULAR CARDIOLOGY**

The Department of Medicine at Case Western Reserve University is recruiting an outstanding individual for a leadership position at the institution in the area of molecular aspects of hypertension and cardiovascular disease. The department wishes to expand in the area of genetics and/or vascular biology with emphasis on channels, receptors or signal transduction processes. Applicants should have a M.D. or Ph.D., an established research career and the potential of building a strong research group comprising scientists with interests in cellular and molecular aspects of Molecular Cardiology and academic appointment commensurate with his/her qualifications, very competitive start up, funds and salaries are available. Submit curriculum vitae, research interests, and names of five references to: Molecular Cardiovascular Medicine Search Committee, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-4982.

**ENDOWED PROFESSORSHIP IN PLANT MOLECULAR GENETICS**

The Department of Botany at The University of Texas at Austin seeks an internationally recognized scientist currently of associate or professor rank to hold the D. J. and M. M. Cook-Bowerman Chair in Plant Molecular Genetics. Applicants should have an established, active research program in the broadly defined field of plant molecular biology. This recruitment is part of a university-wide initiative to establish a Center for Plant Molecular Biology. Applicants should send curriculum vitae, statement of research and teaching interests, the names and addresses of three references, and three to five reprints of research to: Dr. Stan Roux, Search Committee, Department of Botany, University of Texas, Austin, TX 78713. Consideration of applicants will begin October 15, 1995, and continue until a suitable candidate is selected. The University of Texas, Austin is an Affirmative Action/EQUAL OPPORTUNITY EMPLOYER.

**FACTORPOSITIONS**

**DEPARTMENT OF BIOCHEMISTRY**

The Department of Biochemistry at Baylor College of Medicine, The Basic Science Programs for two TENURE-TRACK faculty positions—one in X-ray crystallography and one in computational biology. This is a heavily research-oriented department in seeking outstanding scientists who are committed to establishing excellent research programs in an expanding social structure. The area of X-ray crystallography will be to pursue promising candidates interested in using structural biology to solve important problems of biological interest. The area of computational biology will be to pursue promising candidates interested in using computational tools to solve important problems of biological interest. Applicants should send curriculum vitae, a research plan, research papers, and names and three references to: Professor Florante A. Quiocho, Faculty Search Committee, Department of Biochemistry, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030 USA.

Baylor College of Medicine is an Equal Opportunity/Affirmative Action Employer.

**POSITIONS OPEN**

**VETERINARY PATHOLOGIST**

The Department of Microbiology, Pathology and Parasitology, North Carolina State University seeks a veterinary anatomic pathologist to participate in teaching and research missions of the college. The successful candidate will have an interest in teaching veterinary students in the second and fourth years of the veterinary degree curriculum. The position will be devoted to the betterment of the department, college, and university through participation in departmental committees. The remaining 50% of time will be devoted to research activities in toxicologic pathology or host-infectious agent interactions. The individual will develop an extramurally funded research program emphasizing toxicologic pathology. The scope and impact of research will be sufficient to provide quality research training opportunities for students seeking the Ph.D. degree. Applicants for this position will have D.V.M. (or equivalent) and Ph.D. degrees. Preference will be given to those applicants who are certified by the American College of Veterinary Pathologists. Rank and salary are negotiable. Start date is January 1, 1996. Applications should send letter of application, curriculum vitae, and names of three references to: Dr. John Cullen, Department of Microbiology, Pathology, and Parasitology, College of Veterinary Medicine, North Carolina State University, 4700 Hillsborough Street, Raleigh, NC 27695-7550 or FAX: 919-829-4455. Application closing date is January 2, 1996 or until a suitable candidate is chosen.

**University of California**

San Diego, Department of Chemistry and Biochemistry invites applications for tenure-track faculty positions in Chemistry at the ASSISTANT, ASSOCIATE, and FULL PROFESSOR levels. Applicants are sought at all levels and will be considered in all areas, but the committee is particularly interested in candidates with expertise in bio-organic, NMR or X-ray structure determinations. Applicants must have a Ph.D. and a demonstrated ability for creative research and teaching at the undergraduate and graduate levels. Salary commensurate with qualifications and based on University of California pay scale. Positions subject to availability of funds. Applicants should send a curriculum vitae, a list of publications, reprints of up to five representative papers, a summary of research plans and names and addresses of three references to: Chair, Biochemistry Search Committee, Box 0590, University of California, San Diego, Department of Chemistry and Biochemistry—3032, La Jolla, CA 92093-0332. Prompt response is recommended but all applications received by January 2, 1996, or until position is filled, will be assured full consideration. All applications are retained for 12 months from date of receipt and are valid for positions that open during that period. The University of California is an Equal Opportunity/Affirmative Action Employer.

**FACTORPOSITIONS**

**MOLECULAR BIOLOGY AND MOLECULAR PHARMACOLOGY**

The Department of Pharmacology and Molecular Biology at The Chicago Medical School is initiating the third phase of faculty recruitment for TENURE-TRACK POSITIONS (at all levels) from candidates with established expertise in the general areas of biochemistry and molecular biology. Preference will be given to those candidates with ongoing, funded research programs. Attractive benefits and start-up funds are available. The school is located in downtown Chicago adjacent to the very pleasant North Shore community of Lake Bluff, 38 miles from downtown Chicago with proximity to forest preserves and Lake Michigan. The department under new leadership has already recruited several faculty of high caliber. Excellent core facilities and strong graduate programs are available. Please send curriculum vitae, research plans and three names for reference to: Dr. Samson T. Jacob, Chairman, Department of Pharmacology and Molecular Biology, The Chicago Medical School, 3333 Green Bay Road, North Chicago, IL 60064. The Chicago Medical School is an Equal Opportunity/Affirmative Action Employer.
NAVAL RESEARCH LABORATORY
STENNIS SPACE CENTER, MS
HEAD, OCEAN DYNAMICS AND PREDICTION BRANCH
OCEANOGRAPHY DIVISION

The Naval Research Laboratory at the Stennis Space Center (NRL-SSC), one hour east of New Orleans, LA, seeks a Senior level scientist to head its Ocean Dynamics and Prediction Branch. The scientist will head a branch of nationally and internationally recognized scientists in performing basic and applied research in the areas of ocean and ice dynamics, computational numerical techniques, data assimilation, and the analysis of satellite oceanographic data as related to the development of ocean modeling and data assimilation capabilities.

As branch head, the applicant will be responsible for the planning, direction, formulation, and execution of the scientific goals of the branch, the administration of its programs and the supervision of its scientists and personnel. He/she will have the opportunity to pursue and direct research with access to substantial computational facilities: a Cray C90 at SSC; a Thinking Machines CM-200 and CM-5 at NRL-DC; an IBM SP-2 and an Intel PARAGON via the DoD High Performance Computing Network. Excellent facilities for analysis, video animation and graphical display, a satellite receiving and processing system and extensive data bases are also available.

Salary: $70,482-$91,629 (GS-15 Supervisory Oceanographer). Because of the interdisciplinary nature of the branch, the applicant should have a diverse background in one of the physical, computational or engineering sciences and substantial numerical computational experience. A Ph.D. is desired. In addition, the applicant should have a documented record of research publications, accomplishments, and research team leadership.

U.S. citizenship and the ability to obtain a security clearance is required.

Submit a curriculum vitae, "Optional Application for Federal Employment" (OF-612), references, list of publications and statement of research interest by 29 September 1995 to: Naval Research Laboratory (Code 1870), (Attn: Lou Ann Lott, Announc. 95-070), Stennis Space Center, MS 38952-5004. To receive a copy of the application form and announcement, please call Lou Ann Lott at (601) 688-5204.

NRL is an equal opportunity employer.

ASSISTANT PROFESSOR
FRESHWATER/LANDSCAPE ECOLOGY
Beginning Academic Year 1996-1997

The Harvard University Graduate School of Design has an Assistant Professor position available beginning in the academic year 1996-1997 for a dynamic individual qualified to offer graduate-level instruction in freshwater/landscape ecology. This full-time position may be filled for a fixed initial term, normally of three years, with responsibilities for teaching and scholarship. Candidates should have a record of scholarly research productivity on land/water interactions, an ability to relate research to the design professions, and some teaching experience. A Ph.D. and published research in ecology with a focus on streams, rivers, wetlands, or lakes are required. Experience in landscape ecology, aquatic restoration, hydrology, or working with landscape architects and planners is desirable.

Applications are invited before 15 December, 1995 on the application forms available from: Office of Faculty Planning, Harvard University Graduate School of Design, 48 Quincy Street, S203, Cambridge MA 02138, Attn: Richard T. Forman. Fax: (617) 496-5510. Applicants should also include copies of their most relevant publications with their applications.

Harvard is an Equal Opportunity/Affirmative Action Employer.

MICHIGAN STATE UNIVERSITY
DEAN, COLLEGE OF NATURAL SCIENCE

Michigan State University invites applications and nominations for the position of Dean of the College of Natural Science. Michigan State University, a premier land grant institution and a member of the Association of American Universities, has a student enrollment of approximately 40,000 and is located in an urban-rural setting adjacent to Lansing, the State capital. The University has 14 colleges plus two academic administrative programs in international studies and urban affairs led by deans.

The College of Natural Science consists of 19 academic units and programs in the physical, biological and mathematical sciences, as well as the MSU/DOE Plant Research Laboratory, Kellogg Biological Laboratory, Center for Fundamental Materials Research, Center for Microbial Ecology, Pesticide Research Center, Center for Electron Optics, and the Center for Integrative Studies. The College provides instruction in the natural sciences for all University undergraduates and offers programs of study leading to the B.A., B.S., M.A., M.S., M.A.T., and Ph.D. degrees. Currently, the college consists of about 350 tenure stream faculty and 5,300 majors, about 80 percent at the undergraduate level and about 20 percent at the graduate level. The Dean is the chief academic officer of the college and reports directly to the Provost.

QUALIFICATIONS

MSU is seeking individuals who have demonstrated strong accomplishment in scientific research, strong leadership in administration and education, effective interpersonal skills and a commitment to excellence in natural science teaching, research and service programs. An earned doctorate in a field related to programs of the college is required. Candidates must meet standards for appointment at the rank of professor (with tenure) in an academic department in the college.

SALARY

Salary is competitive and commensurate with experience and qualifications.

APPLICATIONS/NOMINATIONS

Applications/nominations should be submitted as soon as possible and preferably by October 1, 1995. Applications/nominations submitted later will be given all possible consideration, depending on the status of the search process. Women and minority applications/nominations are encouraged. Handicappers have the right to request and receive reasonable accommodation. Nominations or letter of application with curriculum vitae should be sent to:

Dr. William Deal, Chairperson, Search and Rating Committee
Dean, College of Natural Science
Office of the Provost
Michigan State University
312 Administration Bldg.
East Lansing, MI 48824-1046
Telephone Inquiry: (517) 353-8949
FAX: (517) 353-9334; Email: dealw@pilot.msu.edu

Michigan State University is an Affirmative Action/Equal Opportunity Institution.
GROUPS

Saskatchewan, Saskatchewan,

ASSISTANT/ASSOCIATE PROFESSORS BIOLOGY

Department of Biology, University of Victoria, Victoria, B.C. V8W 3P6.

 Applicants are encouraged to apply online at https://www.uvic.ca/hr/employment.

ASSISTANT PROFESSOR

Indiana University School of Medicine seeks candidates for the tenure-track position of Assistant Professor in the Department of Microbiology and Immunology. Candidates must hold a Ph.D. and/or M.D. degree, have active research programs, and have a strong commitment to graduate education and administration. Send curriculum vitae and references to: David A. Williams, M.D., Freda and Alfred Kipp Professor of Pediatrics, Department of Medical and Molecular Genetics, and Associate Investigator, Howard Hughes Medical Institute, School of Medicine, Indiana University, 920 W. 10th Street, Indianapolis, IN 46202-5114.

SASKACHewan, Saskatchewan,

ASSISTANT PROFESSOR

TEL AVIV UNIVERSITY

Sackler Faculty of Medicine

Seeking candidates for a TENURE-TRACK research and teaching position in the Department of Behavioral Sciences, available beginning October 1996.

Applicants should have a Ph.D. or M.D. degree, in medicine, psychiatry, or psychology, and have experience in research on psychopathology.

Applications will begin on October 13, 1995, and continue until the position is filled.

An Affirmative Action/Equal Opportunity Employer.

SASKACHewan, Saskatchewan,

ASSISTANT PROFESSOR

Chairman Department of Microbiology and Immunology

Saskatchewan, Saskatchewan,

ASSISTANT PROFESSOR

Department of Immunology

Saskatchewan, Saskatchewan,

ASSISTANT PROFESSOR

Department of Microbiology

Saskatchewan, Saskatchewan,

ASSISTANT PROFESSOR

Department of Microbiology and Immunology

Saskatchewan, Saskatchewan,

ASSISTANT PROFESSOR

Department of Microbiology and Immunology

Saskatchewan, Saskatchewan,

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ASSISTANT PROFESSOR

Department of Microbiology and Immunology

Saskatchewan, Saskatchewan,

ASSISTANT PROFESSOR

Department of Microbiology and Immunology

Saskatchewan, Saskatchewan,

ASSISTANT PROFESSOR

Department of Microbiology and Immunology

Saskatchewan, Saskatchewan,

ASSISTANT PROFESSOR

Department of Microbiology and Immunology

Saskatchewan, Saskatchewan,

ASSISTANT PROFESSOR

Department of Microbiology and Immunology

Saskatchewan, Saskatchewan,

ASSISTANT PROFESSOR

Department of Microbiology and Immunology

Saskatchewan, Saskatchewan,
EXECUTIVE OFFICER
THE PROTEIN SOCIETY
(Part-Time Position)

The Protein Society invites applications for the position of Executive Officer. The Society's headquarters are located at the Federation of American Societies for Experimental Biology campus in Bethesda, Maryland. The Society is separately incorporated and manages its own administrative and financial affairs.

The Executive Officer works with the President and with the Council, which is the governing body of the Society, to coordinate, manage, and administer the activities of the Society. The Executive Officer also helps to set policy and program priorities; works with the editor of Protein Science, the official journal of the Society, in the publication of society-related announcements; provides strong and effective advocacy for related priorities of the Society with the Congress, Federal Agencies, and with elected officials and the public; develops liaisons with other professional societies; provides support to the membership; prepares and edits announcements of society-related activities and coordinates the management of the annual meeting and other meetings with other activities of the Society.

The Protein Society was formed in 1986 and has hereafter functioned without an Executive Officer. We envisage that this will be a half-time appointment.

Preferential consideration will be given to individuals with the following qualifications: experience in management (of a department, research office, or nonprofit organization), and formal training in an area related to protein science. Additional information is available from the address below.

Please forward your resume by October 1, 1995, with a covering letter detailing specific examples of relevant past success and the names of three individuals willing to provide letters of reference to:

FASEB Human Resources
Chair, Search Committee for Executive Officer
of the Protein Society
9650 Rockville Pike
Bethesda, MD 20814-3998
An Equal Opportunity Employer

NEUROSCIENTIST POSITIONS

The Department of Anatomy and Neurobiology at Colorado State University has tenure track openings for three neuroscientists at the level of Assistant Professor or higher. The Department is an integral part of the campus-wide Program in Neuronal Growth and Development. Successful applicants will contribute to Department and Program teaching, which includes courses in the undergraduate, graduate and professional veterinary medicine curricula. Areas of teaching need include developmental neurobiology, human gross anatomy, neuroanatomy and related areas.

Successful applicants will be expected to maintain an extramurally-funded research program. The applicants' research should complement interests of the Department and Program which include structure and function of membrane receptors and ion channels; neural integration, particularly at the cellular level; and disorders of the nervous system. Preference will be given to applicants whose research employs techniques of molecular biology or digital imaging.

Closing date for applications is October 15, 1995; the search may be extended. Preferred start date July 1996. Send CV and names of three references to: Chair, Search Committee; Department of Anatomy and Neurobiology, Colorado State University, Fort Collins, CO 80523. CSU is EO/AA employer. E.O. Office: 25 Spruce Hall, Fort Collins, CO 80523.

E.O. Office: 25 Spruce Hall, Fort Collins, CO 80523.

STAFF SCIENTIST
Sequencing Group, Human Genome Center

The Human Genome Center (HGC), Life Sciences Division, at Lawrence Berkeley National Laboratory (LBNL) is seeking an investigator to manage a group dedicated to the development of production sequencing methodologies. This group, consisting of 1-2 senior research associates, will interact extensively with both research and production groups in HGC to increase the effectiveness of the Center's high throughput sequencing efforts. Additional interactions will include collaborative projects with the Center's Automation and Instrumentation and Informatics Groups.

Qualified candidates will possess a Ph.D. in molecular biology or related field; be familiar with genome research and DNA sequencing; and possess a computational background with Macintosh, IBM PCs, and Sun workstations running the UNIX operating system. Management experience desired.

Please send a curriculum vitae: a list of publications; and the names, addresses and telephone numbers of three references to: Group Leaders, Human Genome Center, Life Sciences Division, c/o Lawrence Berkeley National Laboratory, Staffing Office, Job #JSCI3725, One Cyclotron Road, Bldg. 938A, Berkeley, CA 94720.

LBNL is an affirmative action/equal-opportunity employer.

THE UNIVERSITY OF TEXAS-HOUSTON
HEALTH SCIENCE CENTER

TENURE TRACK FACULTY POSITIONS available June 1996, for an expanding departmental focus in SIGNAL TRANSDUCTION. Individuals working in the general area of KINASES AND PHOSPHATASES, are especially encouraged to apply, but outstanding applicants in all areas of research are welcome. Candidates must be using state-of-the-art approaches to define molecular mechanisms affecting cell regulation. Responsibilities include the development of a funded, internationally recognized research program and participation in medical and/or graduate education. Positions are in the Texas Medical Center, a superb research environment that includes the UT-Houston Health Science Center, Baylor College of Medicine, and M.D. Anderson Cancer Center. Further information can be obtained at our web site "http://farm4.med.uh.edu". Send a cover letter of introduction, CV, 2-3 page summary of research plans, and names, addresses, and phone numbers of 3 to 5 potential references to:

Dr. Fernando Cabral,
Department of Pharmacology,
University of Texas Medical School at Houston,
P.O. Box 20708,
Houston, Texas 77225.

Review of applications will begin on October 10, and continue until the positions are filled. The University of Texas is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

THE UNIVERSITY OF TEXAS-HOUSTON
HEALTH SCIENCE CENTER

WASHINGTON-UNIVERSITY IN ST. LOUIS
Department of Genetics

The Department of Genetics plans to hire several new faculty members. Applications for junior level, tenure track faculty positions are invited. Current interests of department include:

1) model systems
2) mammalian genetics
3) computational biology
4) quantitative genetics

Responsibilities include establishment of a strong and interactive research program and a commitment to graduate and/or medical student education.

Applicants should send a curriculum vitae and a statement of current and future research plans and arrange for the submission of three letters of reference by November 15 to:

Robert Waterston, M.D., Ph.D.,
Search Committee
Department of Genetics
Box 8232
Washington University School of Medicine
4560 Scott Avenue
St. Louis, MO 63110

E.O. Office: 25 Spruce Hall, Fort Collins, CO 80523.
POSTDOCTORAL FELLOWSHIP
Molecular Toxicology, Hepatitis C Virus and RNA Binding Proteins
To study the Hepatitis C virus (HCV) RNA polymerase, develop model systems to study HCV replication and use molecular modeling to design novel HCV therapeutics. Integrate results into ongoing projects and the use of that knowledge to design agents that selectively regulate the expression of specific miRNA. Interdisciplinary interactions with colleagues in the Chemistry Department and Centers for Disease Control are available. Dr. Curt H. Hagedorn, 2101 Woodruff Memorial Research Building, Molecular Therapeutics Program, The Emory Center, Emory University School of Medicine, Atlanta, GA 30322. Email: chagedo@bimcore.emory.edu; FAX: 404-727-5767.

POSTDOCTORAL POSITION
COR Therapeutics, Inc. is a publicly-held biopharmaceutical company focused on the discovery and development of novel therapeutics for the treatment of severe cardiovascular disease. Postdoctoral fellowships at COR are basic research positions with an emphasis on cellular and molecular aspects of cardiovascular disease.

POSTDOCTORAL POSITION available immediately to work on an American Heart Association funded project to study cellular and molecular aspects of L-type calcium current in the cardiac myocyte. Techniques used in the lab include whole cell and single channel patch clamping, Northern blot analysis and RNA protection. Cell culture and molecular biology are also required. Experience in cardiac biology is desirable. Please send curriculum vitae, names of three references and a brief description of your research interests to: Dr. R. David Phillips, COR Therapeutics, Inc., 256 East Grand Avenue, South San Francisco, CA 94080.

POSTDOCTORAL POSITION available immediately to join an expanding group of laboratory scientists studying cellular and molecular biology of RNA virus infections. Emphasis will be on viral replication, virus/host interactions, and immune evasion. These positions require a strong background in immunology, cell biology, virology, molecular biology and virology. Please send curriculum vitae, names of three references and a brief description of your research interests to: Dr. Allen Rittenhouse, Department of Pathology, University of Virginia Medical School, 55 Lake Avenue, North, Worcester, MA 01655. FAX: 508-856-5997, The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer.

UNIVERSITY OF PENNSYLVANIA
A POSTDOCTORAL POSITION is available September 1, 1995, to study immune response of two MHC-congenic lines of chickens to Salmonella enteritidis. A recent Ph.D. with cellular immunology background (cell culture, FACS), and an enthusiastic nature are required. Send curriculum vitae and names of three references along with telephone and FAX numbers to: Dr. Linda H. Keller, Laboratory of Avian Medicine & Pathology, New Bolton Center, 382 West Street Road, Kennett Square, PA 19348-1692. Equal Opportunity/Affirmative Action Employer. We encourage minority and women candidates.

A POSTDOCTORAL POSITION is available for an individual with expertise in molecular biology and/or protein chemistry. This ongoing research focuses on signal transduction and receptor-mediated activation and tolerance to bacterial endotoxins. Send curriculum vitae and two reference letters to: Dr. James L. Snook, Department of Pathology, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425. Telephone: 803-792-2978; FAX: 803-792-4425; Email: james_snook@smtpgw.umsmed.edu. This position requires U.S. citizenship or permanent resident status.

BACTERIAL VACCINES
A POSTDOCTORAL POSITION is available for a two-year, USDA-funded study available immediately to develop an experimental Campylobacter vaccine using an avirulent Salmonella vaccine expression system. Experience in molecular biology required. Send curriculum vitae and names of three references to: Dr. Irving Nachmanin, Pathology and Laboratory Medicine, University of Pennsylvania, 3440 Spruce Street, Philadelphia, PA 19104-4283. Telephone: 215-662-6651; FAX: 215-662-6655.

RESEARCH ASSOCIATE. Ph.D. training and experience in in vitro channel analysis using patch clamp or planar bilayers. POSTDOCTORAL FELLOW. Recent Ph.D. in a similar field in biochemistry/molecular biology of membrane proteins with emphasis on either structure/function or biosynthetic processing and intracellular transport. Director of Postdoctoral Research/Program Development, Department of Biophysics and Molecular Biology, 13400 East Shea Boulevard, Scottsdale, AZ 85259. Mayo Clinic Scottsdale is an Affirmative Action Employer and Educator. It promotes cultural diversity in its workforce.

POSTDOCTORAL POSITIONS
MOLECULAR BIOLOGY/IMMUNOLOGY
Karolinska Institute, Stockholm, Sweden
A candidate with a strong background in molecular biology, in particular vector constructions and transgenic/knockout technology, is needed for a rapidly expanding group active in research related to MHC class I mediated antigen presentation and T cell selection. Send curriculum vitae, brief description of research experience, and two letters of recommendation to: Dr. Hans-Gustaf Ljunggren, Microbiology and Tumor Biology, Karolinska Institute, S-171 77 Stockholm, Sweden. FAX: +46 8 32 67 02.

Neural Development and Patterning
POSTDOCTORAL POSITIONS are open to study molecular aspects of pattern formation in the embryonic CNS. The laboratory is part of the Developmental Genetics Program located at the Skirball Institute of Biomedical Medicine. The newly built Institute is part of the New York University Medical Center located in Manhattan, New York.

Applicants should have a strong background in molecular biology, embryology or molecular genetics and hold a Ph.D. degree or equivalent. A letter of recommendation must be sent to: Dr. Ariel Ruiz i Altaba, Developmental Genetics Program, Skirball Institute, New York University Medical Center, 540 First Avenue, New York, NY 10016, USA.

POSTDOCTORAL POSITION
BLOOD COAGULATION ENZYMOLOGY
A POSTDOCTORAL RESEARCH POSITION is available to investigate the mechanisms and regulation of blood coagulation reactions with protein chemistry, enzymology, and functional assays. Interested individuals who are recent Ph.D. graduates in biochemistry, biophysics, chemistry, or biology should send a copy of their curriculum vitae and arrange for two letters of recommendation to be sent to: Dr. Paul Bock, Vanderbilt University School of Medicine, Department of Pathology, C-3521 Medical Center North, Nashville, TN 37232. Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION
available immediately for an NIH-funded study of the signals initiating reactive astrogliosis in the central nervous system. Molecular biological background is required; cell culture experience is helpful, but not essential. This position is ideal for an individual with a molecular biological background who wishes to examine biological questions relating to neurobiology. Send curriculum vitae and names of three references to: Dr. Tao H. Ouyang, Department of Anatomy, University of Maryland School of Medicine, 655 West Baltimore Street, Baltimore, MD 21201. The University of Maryland is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION—available now to study antibiotic-resistant enteric bacteria in beef cattle populations in a three-year funded project. Applicants must have background in microbiology and bacterial population biology. Applicants with expertise in PCR, plasmid profiling, or other techniques of bacterial genetic fingerprinting. Review of applications will begin September 1, 1995, and the position will be filled. Send or FAX a curriculum vitae, summary of research interests, and three reference letters to: Dr. John C. Gieseke, Food Animal Health Management Center, VCS-106, College of Veterinary Medicine, Kansas State University, Manhattan, KS 66506. FAX: 913-532-4288.
Roche Bioscience
A Novel Approach to Drug Discovery

One of the newest pharmaceutical research enterprises in the San Francisco Bay Area, Roche Bioscience was formed following the acquisition of Syntex by Roche Holding Ltd. We are located in Palo Alto, California, on an extremely well-equipped campus devoted to drug discovery. Our goal is to identify drug targets and develop drugs that modify the activity of the target. We aim to discover and optimize the drugs and demonstrate their therapeutic potential through clinical proof of concept trials. We actively encourage creativity and innovation in the identification of novel drug targets by way of exploratory research programs.

Research Section Leader/Analgesia
The primary responsibility of this position within the Department of Analgesia will be to supervise Ph.D. and non-Ph.D. staff involved in in vivo testing of novel analgesics. Will facilitate research into the role of specific ion channels and cell surface receptors in pain transmission pathways. Ideal candidate will be a Ph.D. (pharmacology/related discipline) with a strong research record (8-10 years) in pain and analgesia. (Job#SM0901KF9)

Laboratory Head Inflammation Pharmacology
Acts as the primary scientific leader in developing a variety of animal models of inflammation, using broad knowledge of the physiology and pharmacology of animals and their relevance to human disease. Must have demonstrated proficiency in animal model development and the physiological basis of disease. Experience in mediators of inflammation and associated pain responses will be considered highly advantageous. A Ph.D. and 3+ years' experience in pharmacology, physiology or a relevant discipline and strong supervisory skills as well as excellent communication skills are required. (Job#SM0901KF2)

Staff Scientist/Neuropharmacology
Opportunity to apply expertise in histological methods and imaging techniques, including receptor autoradiograph, in situ hybridization and immunocytochemistry. A strong background in neuroanatomy or neuropharmacology is required, as well as a Ph.D. and at least 2 years' postdoctoral training. Prefer experience in an industrial setting. (Job#SM0901KF4)

Staff Scientist/Enzymology
Will work on multidisciplinary drug discovery teams providing biochemistry/enzymology expertise to establish and validate in vitro assays, determining mechanisms of enzyme inhibition and appropriate kinetic parameters. A Ph.D. is required with several years' post-doctoral biochemistry experience (emphasis on enzymology) and strong chemistry background. An understanding of molecular biology is desired. (Job#SM0901KF5)

Roche Bioscience offers competitive salaries and generous benefits. For immediate consideration, send your resume to: Roche Bioscience, Professional Staffing, appropriate Job#, 3401 Hillview Avenue, Suite A1-130, Palo Alto, CA 94304. FAX: 415-424-8159. Roche Bioscience is an equal opportunity employer committed to the values of a diversified workforce.
Our Preclinical Pharmaceutical Research department in Basel is expanding its core group in

Bioinformatics

and has two exciting opportunities at the interface between genomics and computer science.

Candidates for both positions should have a strong interest in the application of computers to the exploration of biological sequences and genomes as well as several years' postdoctoral experience in this field.

For the first position you should be proficient in database management on VMS and UNIX platforms, client/server applications development and integration of bioinformatics software tools. You should be able to write custom programs for sequence and genome analysis in close collaboration with biologists in various fields.

For the second position you will need experience in the use of bioinformatics tools to solve problems in biology from the sequence to the genome level. You will be expected to work with scientists in various research areas and instruct them in the use of these tools.

Located in Basel, Switzerland, we offer a dynamic international research environment and encourages collaboration with academic groups.

If you are interested in either of these positions, please send your handwritten letter of application and resume to Mrs. M. Waespe of our Personnel Department, quoting reference Science 4/95/Wa.

F. Hoffmann-La Roche Ltd., P.O. Box, CH-4002 Basel
THE EDWARD JENNER INSTITUTE FOR VACCINE RESEARCH

The Institute is an entirely new development funded by Glaxo-Wellcome, MRC, BBSRC and the Department of Health. It will be located alongside the Institute for Animal Health, at Compton, Berkshire, have a core staff of 30 scientists and technologists and a total annual operating budget of about £4 million. The aims of the Institute are to improve understanding of the role of protective immune responses in different diseases, to develop better predictive models to study vaccine candidates for human diseases and to provide new insights into vaccine formulation and adjuvants. The Head of the Institute is Professor Peter Beverley.

GROUP LEADERS

The Institute is seeking to recruit outstanding and innovative scientists as Research Group Leaders. Scientists with experience in immunology, bacteriology, virology, molecular biology and protein structure and expression are invited to apply. Group leaders will be appointed for 5 years in the first instance and will be expected to develop a research programme in accordance with the aims of the Institute and will have first class research facilities and support.

Those interested in these posts may make informal enquiries and obtain further particulars from Professor Peter Beverley on 0171 380 9326 or fax: 0171 436 2956.

Applicants should include a CV, names of three referees and, in the case of Research Group Leaders, a brief statement of research interests and their relevance to the work of the Institute. Send applications to Professor P C L Beverley, ICRF Tumour Immunology Unit, 91 Riding House Street, London W1P 8BT. The Institute is an equal opportunity employer.

ASSISTANT/ASSOCIATE PROFESSORSHIP IN GEOGRAPHY WITHIN THE FIELD OF REMOTE SENSING AND PHYSICAL GEOGRAPHY.

A position as assistant/associate professor in geography within the field of physical geography and remote sensing, is available as of 1 September 1995 or as soon as possible.

It focuses particularly on the development of methodologies for the assessment of atmospheric/climatic, hydrological, vegetation and/or soil parameters on the basis of satellite images.

Further information about the position may be obtained from the Head of the Institute (tel +45 35 32 25 49, Fax +45 35 32 25 01).

The application marked: 5208/L13-95 and written in English, must formally be addressed to the Rector of the University of Copenhagen and mailed to the Faculty of Science, Blegdamsvej 3, DK-2200 Copenhagen N, Denmark.

Applications, in order to be considered, must have been received by the Faculty of Science no later than October 1, 1995.

Three copies of the application, including a CV, a complete list of publications and copies of those publications (max 10) considered most relevant in the context, should be mailed to the Head of the Institute of Geography, Øster Voldgade 10, DK-1350 Copenhagen K.

LECTURESHP IN ECOLOGY AND BIODIVERSITY

Applications are invited for a Lectureship in the Department of Ecology and Biodiversity (RF/95/66:24). Appointment will be made on a two to three-year fixed-term basis.

Applicants should have a PhD degree, teaching experience and a strong research background. Preference will be given to those with expertise in the fields of conservation evaluation, environmental impact assessment, or biological statistics. Applicants with demonstrated research abilities in related fields will also be considered. Ability to apply ecological approaches to real-world problems of conservation and environmental management will be regarded as a particular advantage, as will familiarity with the flora and fauna of the Asian region.

Annual salary [non-superannuable but attracting 15% (taxable) terminal gratuity] is on an 11-point scale, with starting salary depending on qualifications and experience: HK$45,200 - HK$79,700 (approx. US$58,987 - US$100,793; US$4 equivalents as at 9 August 1995).

At current rates, salaries tax will not exceed 15% of gross income. Children's education allowances, leave, and medical benefits are provided; housing or tenancy allowances are also provided in most cases at a charge of a percentage of salary, currently 7%.

Further particulars and application forms may be obtained from the Appointments Unit, Registry, The University of Hong Kong, Hong Kong (fax: (852) 2658 5046; E-mail: APPTUNIT@REG.HKU.HK). Particulars are also available on the University's listserv accessed by E-mail as "LISTSERV@HKUVM1.HKU.HK" (specify "get apptmnt filelist" for list of vacant posts).

The Global Environment: Invitation for Research Proposals By RITE

(1996 entrusted research)

Research Institute of Innovative Technology for the Earth (RITE) is inviting basic research proposals dealing with global environmental problems. Also, research proposals deemed to contribute significantly to the resolution of global environmental problems will be supported by RITE in the form of entrusted research.

1. Category of Research Invited
Basic research aimed at the development of innovative technologies which will contribute to the solution of global environmental problems.

2. Themes of Research Invited
[A] Research concerning carbon dioxide, methane and other greenhouse gases considered to be the primary causes of global warmings:
1) Efficient separation, recovery, disposal, re-use etc. of greenhouse gases.
2) Innovative process technologies which limit greenhouse gas generation.
3) Research concerning enhancement of CO₂ sinks (e.g. ocean sink, underground storage and reforestation through biotechnology).
[B] Research on other technologies concerning global environmental problems as follows:
1) Control of the generation and widespread release of chemical substances, apart from the greenhouse gases mentioned [A], which are seriously detrimental to the environment, or prevention of the generation of those substances.
2) Substitutes for the chemical substances mentioned above.
3) Recycling and effective utilization of materials.

3. Number of Proposals to be Accepted
The number of proposals to be accepted will be determined after the governmental budget for FY 1996 has been confirmed. Twelve new proposals have been accepted for FY 1995.

4. Research Expenses for Entrusted Research
Up to 10 million Japanese yen will be allocated for each proposal, although

the entire cost of a proposal may not be covered by RITE. Research expenses distributed for the proposals accepted in FY 1995 ranged from 2.2 million to 7.5 million Japanese yen per proposals, with an average of 6.25 million yen.

RITE makes advances for research expenses from RITE budget. The new proposals and continuing proposals account for 25% and 50% of research expenses, respectively.

5. Deadline for the Submission of Proposals
Proposals must be received by RITE no later than December 1, 1995.
*Attention: Proposals received post deadline will be returned unprocessed.

6. Period of the Entrusted Research
Period of the entrusted research will be from April; 1996 to March, 1997. If continuation is deemed necessary, however, RITE may entrust further research.

7. Qualified Research Participants
Individuals or groups engaged in research activities at research institutions etc. are eligible. The applicants’ citizenship or proposed site for the research will not be considered as criteria for selection.

8. Application Procedure
Applicants are asked to contact the RITE Secretariat (below) for further information on documents to be submitted and the format thereof. Facsimile transmission is preferred for speed of communication. Please include relevant Tel. and Fax. numbers with requests.

RITE Secretariat,
Mr. Deguchi or Mr. Iki
Research Proposal Reception Section
Research Planning Department
RITE
9-2 Kizugawadai Kizu-cho Soraku-gun,
KYOTO 619-02 JAPAN
Tel: +81-774-75-2302 Fax: +81-774-75-2314

Research Institute of Innovative Technology for the Earth

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RICARD DICKINSON
CHAIR OF ORAL MICROBIOLOGY

This is a newly established Chair and UMDS Dental School is looking for a scientist with a proven research reputation, together with teaching ability, to be head of the Unit of Oral Microbiology within the Department of Oral Medicine and Pathology. Expertise in molecular microbiology is desirable, together with the ability to establish an internationally competitive research group.

The salary is negotiable within the Professorial range.

Informal enquiries should be directed to Professor FP Ashley, Dean of the Dental School on 0171 955 4204.

UMDS reserves the right to consider for appointment persons other than those who make a formal application.

Further details of the post and application procedure are available from Simon Ford, UMDS, Medical School Office, St Thomas' Hospital, Lambeth Palace Road, London SE1 7EH. Tel: 0171 928 9292 extension 3341 (office hours) or 0171 922 8049 (24-hour answerphone) or fax 0171 928 7664.

Please quote reference: G/GEN/506C.

Closing date for application: 31st October 1995.

Promoting excellence in teaching, learning & research
Equality of Opportunity is School Policy

UMDS
GUY'S AND ST THOMAS'S MEDICAL AND DENTAL SCHOOL
(University of London)

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icipe
Tropical Insect Science for Development

The International Centre of Insect Physiology and Ecology (ICIPE) invites applications and nominations for Deputy Director General

ICIKE is a unique international research and capacity building centre dealing with arthropods in the tropical zones of the world. Its mission is to develop in partnership with end-users and relevant international institutions, environmentally sound and sustainable tools for the management of arthropods as plant pests and vectors of human and animal diseases. Following a major restructuring, the Centre has added an arthropod biodiversity assessment, conservation and utilization programme, among other new initiatives. ICIPE has 50 internationally recruited scientists and 370 support staff. The present annual budget of US$ 9 million is expected to grow substantially over the next few years.

The successful candidate will provide, in close collaboration with the Director General, intellectual and management leadership for the research and capacity building programmes of the Centre. Candidates must have a PhD in arthropod sciences, with at least 10 years of internationally recognized research experience in the tropics; proven experience in the management of interdisciplinary research teams in a project environment; commitment to partnership with research and education organizations in developing and developed countries; experience in research and institutional management. Of particular value will be a strong background in ecology and/or biochemistry with a good appreciation for the integration of natural and social sciences. Proficiency in written and spoken English is expected, while fluency in French will be an advantage.

SALARY AND PERKS:
Salary and benefits are internationally competitive.

Applications, with full CV and publication list, including the names and addresses with telephone/fax numbers of three referees should be sent before 29 September 1995 to:

Dr. Hans R. Herren, Director General
The International Centre of Insect Physiology and Ecology
Thika Road, Kasarani
PO Box 30772, Nairobi, Kenya
Fax: 254 02 803360

ICIPE is an equal opportunity employer and encourages applications from qualified women candidates.
FACULTY POSITION,
U.C.L.A.
PLANT
MOLECULAR BIOLOGY
The newly formed Department of Molecular, Cell and Developmental Biology, would like to add to existing strength in Plant Molecular Biology by hiring two individuals with proven research and teaching accomplishments in the area of Plant Cell, Molecular or Developmental Biology. One appointment will be at a relatively junior level (starting Assistant through mid-Associate Professor level). The second appointment would be made in connection with our search for a Chair of the Department of Molecular, Cell and Developmental Biology. Successful candidates' research programs will be expected to use molecular and genetic techniques to address questions of fundamental importance for plant cell and developmental biology. The candidates will participate in teaching undergraduates in an integrated life sciences curriculum at both the lower and upper division levels. Applicants should send their c.v., a concise research statement indicating future plans as well as the current program, and a brief statement of teaching interests and experience to: Plant Molecular Biology Search Committee, Department of Molecular, Cell and Developmental Biology, Box 95166, U.C.L.A., Los Angeles, CA 90095-1606. Candidates for a junior position should have three letters of recommendation sent to the same address. Candidates for the senior position should include names of three potential references. The committee will start considering candidates by October 20, 1995. U.C.L.A. is an affirmative action/equal opportunity employer. Women, minorities, and persons with disabilities are encouraged to apply.

Global Career Opportunities

UNSW
THE UNIVERSITY OF NEW SOUTH WALES AUSTRALIA

BIOMEDICAL MASS SPECTROMETRY UNIT

Professional Officer

Total Remuneration Level 7: AU$44,944 - AU$50,059 per annum (Salary AU$37,976 - AU$42,300 pa plus up to 17% employer superannuation plus leave loading).

The Biomedical Mass Spectrometry Unit, UNSW, is a central facility servicing the faculties of Medicine and Biological and Behavioural Sciences. The Unit is well equipped and has a hybrid instrument, a triple quadrupole mass spectrometer dedicated to ESI and APCl work, two benchtop GCMS systems, and a linear MALDI mass spectrometer. Good HPLC and general laboratory facilities also exist.

A position is available as a professional officer within the Unit, which, after satisfactory completion of a probationary period, becomes a permanent appointment. Applicants must have a PhD in an appropriate discipline, and at least several years experience in applying mass spectrometry to problems in the biological biomedical sciences. Applicants must also have demonstrated practical experience with the operation and maintenance of magnetic sector and/or triple quadrupole instruments, and must be able to work cooperatively as part of a team. Experience in LC-MS (particularly ESI and APCl) would be a decided advantage. Specific areas of our research include quantitative mass spectrometry, studies of DNA damage and protein characterisation. Experience in any of these areas would be an advantage. The position involves some service work, and the applicant is required to assist other investigators on campus with their research; however, this appointment does offer the opportunity for some independent research consistent with the objectives of the Unit. A knowledge and understanding of EEO/AA principles is required.

Membership of an approved University superannuation scheme is a condition of employment for this position for new appointees and members of staff appointed after 30 June 1991.

Applications close 15 September 1995.

PLEASE QUOTE REF 4625_i

Application Procedure Unless otherwise stated in the body of this advertisement - applicants should submit a written application QUOTING REFERENCE NUMBER Include business and private telephone numbers; a complete resume, copies of academic transcript and qualifications where appropriate), and the names and addresses of referees (at least two references to: The Recruitment Officer, Human Resources, UNSW, Sydney 2052 Australia by the application close date.

UNSW is an Equal Opportunity Employer with a smoke free workplace.
The Department of Biochemistry and Molecular Biology at OHSU, School of Medicine, is undergoing a period of expansion. We are interested in recruiting several senior (Associate Professor, Professor) faculty members who will supply leadership to our developing programs. The areas of particular interest to our faculty include, structure, function and regulation of membrane proteins, physical biochemistry and molecular biophysics. We are interested in scientists who are using modern techniques of biochemistry and biophysics to investigate phenomena at the molecular level.

We will offer attractive salary and start-up packages and the opportunity to play a key role in the development of an interactive department in a stimulating scientific environment set in one of the most desirable areas in the country. Applications and inquiries should be received by October 15, 1995.

Interested candidates should have a sustained record of externally funded research. Send a copy of your curriculum vitae, a description of research interests, and the names of three references to:

Professor Jack H. Kaplan, F.R.S.
Faculty Search (S)
Department of Biochemistry and Molecular Biology
Oregon Health Sciences University
3181 S.W. Sam Jackson Park Road, L224
Portland, OR 97201-3098

OHSU is an Affirmative Action/Equal Opportunity Employer

POSTDOCTORAL POSITIONS

The Cell Growth, Damage, & Repair Group in the Life Sciences Division at the Los Alamos National Laboratory is seeking Postdoctoral Candidates in the following two areas:

Biochemistry of DNA Repair Enzymes: Investigate biochemical mechanisms of how mammalian cells repair DNA double-strand breaks (DSB). Research areas include identification and characterization of DSB repair enzymes and functional structural analysis of DSB repair enzymes. Applicants must have a strong background in protein expression, purification and biochemical analysis. Experience in molecular biology techniques, in vitro repair assays or protein expression in insect cells, NMR protein structural analysis, or Atomic Force Microscope are desirable. Regulation of Radiation-Induced G2 Checkpoint: Perform research in DNA damage-induced cell cycle regulation, especially mechanisms of radiation-induced G2 delay/block. Applicants must have strong background in cell cycle regulation and protein biochemistry. Experience in mammalian cell cycle gene expression, cell cycle analysis, DNA damage and repair, or biochemistry are desirable.

Successful applicants will join a highly interactive and multidisciplinary research team with a diverse array of expertise in radiation biology, molecular genetics, cell cycle regulation, structural biology, chronatin structure, and protein biochemistry. For additional technical information contact Dr. David J. Chen by FAX at (505)665-0123 or email: dchen@tolerance.lanl.gov.

A Ph.D. completed within the last 3 years or soon to be completed required. Annual starting salaries range from $41,250 to $44,570 plus an excellent and comprehensive benefits package. For consideration: submit TWO COPIES of a curriculum vitae and publication listing to Ms. Mary Anne With, MS P290, Advertisement PD95041, Los Alamos National Laboratory, Los Alamos, NM 87545. Advertisement # must be referenced in address.

A ph.d. completed within the last 3 years or soon to be completed required. Annual starting salaries range from $41,250 to $44,570 plus an excellent and comprehensive benefits package. For consideration: submit TWO COPIES of a curriculum vitae and publication listing to Ms. Mary Anne With, MS P290, Advertisement PD95041, Los Alamos National Laboratory, Los Alamos, NM 87545. Advertisement # must be referenced in address.

INORGANIC CHEMIST. The Department of Chemistry at the University of Nebraska-Lincoln invites applications for a tenure-track position in INORGANIC CHEMISTRY at the assistant or associate professor level beginning Fall 1996. The position is a Ph.D. in Chemistry and post-doctoral experience is preferred. The successful candidate is expected to establish an outstanding, internationally-recognized, funded program in any area of INORGANIC CHEMISTRY including bioinorganic chemistry and materials science. Qualifying teaching will be expected. The graduate and undergraduate courses include, but are not limited to, those in analytical chemistry. The deadline is November 30, 1995, or until position is filled. Applicants should send a C.V., reprints and research proposal and arrange for three letters of recommendation to be sent to Professor T. Adrian George, Chair of Search Committee, Department of Chemistry, University of Nebraska-Lincoln, P.O. Box 880404, Lincoln, NE 68588-0404, phone: (402) 472-3513; fax: 402-472-2044; Email: george@unlinfo.unl.edu.

ANALYTICAL CHEMIST. The Department of Chemistry at the University of Nebraska-Lincoln invites applications for a tenure-track position in analytical chemistry at the assistant or associate professor level beginning Fall 1996. A Ph.D. in Chemistry is required and post-doctoral experience is preferred. The candidate will be expected to establish and maintain a vigorous research program and to take part in teaching at the undergraduate and graduate levels. Outstanding candidates from all areas of analytical chemistry are encouraged to apply, with preference being given to those applicants whose research complements that of the current faculty and departmental initiatives in the fields of biotechnology and materials research. This includes candidates with expertise in electrochemistry, optical spectroscopy or chemical sensors. Deadline is November 30, 1995, or until position is filled. Applicants should send a C.V., research plans, reprints, and three letters of recommendation to Prof. David S. Hage, Chair of Search Committee, Department of Chemistry, University of Nebraska-Lincoln, NE 68588-0304. (Tel: 402-472-2744; FAX: 402-472-9402; Email: dhage@unlinfo.unl.edu).

The University of Nebraska-Lincoln is committed to a pluralistic campus community through Affirmative Action and Equal Opportunity and is responsive to the needs of dual career couples. We assure reasonable accommodation under the Americans with Disabilities Act. Please contact Diane Stevens (Tel: 402-472-2745; FAX: 402-472-9402) for assistance.

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POSITIONS OPEN

RESEARCH MOLECULAR BIOLOGIST (RESEARCH ASSOCIATE)

USDA-ARS is seeking applicants for a POSTDOC- TORAL RESEARCH ASSOCIATE in the Plant Resis- tance/Genoplast Enhancement Research Unit, Insect Biology and Population Management Research Labora- tory, Tifton, Georgia. The incumbent will serve as a member of a team and will conduct research to: 1) determine location of the resistance to corn car- wrom/alalfa-motivation; 2) ascertain the rela- tionship between the gene(s) for resistance to corn car- worm from different germplasm lines; and 3) use genetic markers to follow resistance to clinic. The incumbent must have an indepth knowledge of molecular genetics and techniques to identify genes associated with resistance of plants to insects/plant pathogens. The position is full time, not to exceed two years. Salary is $11,355. For additional information, contact: Dr. Robert E. Lynch at Telephone: 912- 387-2375. For information on application procedures and forms contact: Ms. Margaret Denby at Telephone: 912-386-3498. Applications must be received by De- cember 1, 1995.

MAGNETIC RESONANCE IMAGING/ SPECTROSCOPY RESEARCH SCIENTIST

The Pittsburgh NMR Center for Biomedical Research is seeking for an outstanding individual with experience in MRI/MRS to participate in on-going projects in the NMR Center. In addition, there is some opportunity to pursue independent research interests within the context of on-going projects. We are particularly interested in someone with expertise in one or more of the following areas: spectroscopic imaging/spectral editing, novel coil design, computational approaches to aid MRI/MRS, post-data processing, or micro-imaging. Ph.D. in MRI/MRS related area is required and some postdoc- toral experience is preferred. The Center presently has active projects in imaging cell migration to help diagnosis of rejection of transplanted organs, development of functional imaging techniques for use on transgenic mice, and development of ultra-fast imaging techniques. There are a number of other collaborative projects with the University of Pittsburgh Medical Center. Interested can- didates should send a curriculum vitae, representative publications, and three references to: Chien Ho, Pitts- burgh NMR Center for Biomedical Research, Carn- egie Mellon University, 4400 Fifth Avenue, Pitts- burgh, PA 15213.

POSTDOCTORAL RESEARCH ASSOCIATE SENSORY NEUROBIOLOGY

A two-to-three year POSTDOCTORAL POSITION is available to study sensory transduction mechanisms in free nerve endings. Current research projects involve elec- trophysiological, molecular biological, pharmacological, and bioengineering approaches to look at the cellular and molecular mechanisms of cold, mechanical, chemical and pain transduction. A Ph.D. in neurophysiology, neurobi- ology, biophysics, bioengineering, or a related field is required. Salary range is $26,000 to $32,000 depending on experience. Applicants should send a curriculum vitae and the names of three individuals who may be contacted for reference to: Darrell L. Tanelian, Ph.D., M.D., Director, Pain Research Program, Department of An- esthesiology and Pain Management, University of Texas, Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75325-9068, University of Texas Southwestern Medical Center is an Equal Opportunity/Affirmative Action Employer.

ASSOCIATE RESEARCH SCIENTIST—NYU Medical Center is an Equal Opportunity/Affirmative Action Employer. Seeking highly motivated molecular biologist with expertise in cloning PCR, RNA, and DNA techniques. Familiarity with tissue culture and transfection of cells required. Knowledge of Immunology desirable. The projects in progress involve expression in human cell lines and primary cultures of T cells and thymocytes. Send curriculum vitae to: Ms. Maha L. Singh, Professional Membership Coordinator, University Medical Center, 550 First Avenue, New York, NY 10016.

POSITIONS OPEN

POSTDOCTORAL POSITION MOLECULAR BIOLOGY

A position is available immediately to participate in the ongoing projects concentrating on identification and characterization of cis-acting DNA elements and their cognate transcription factors involved in the regulation of hepatic growth factor (HGF) and HFGFR gene expres- sion (JBC 260:4152, 1994; MCB 14:7046, 1994; Onco- gene 9:2045, 1994). A strong background and hands-on experience in molecular biology are essential. Send cur- rriculum vitae and the names of three references to: Dr. Darrel J. Tanelian, Ph.D., Department of Pathology, Scar- fe Hall, University of Pittsburgh, School of Medicine, Pittsburgh, PA 15261. Call with questions at Tele- phone: 412-648-8656 or FAX: 412-648-1916; Email: Rezara@pitt.edu.

BASIC RESEARCH SCIENTIST IMMUNOLOGIST

The Bay Pines Foundation is recruiting for a basic sci- entist-immunologist with specific experience in experi- mental surgery, clinical immunology and allergy and with particular training in molecular aspects of primary immu- nodeficiency diseases and gene identification. Send cur- rriculum vitae to: Bay Pines Foundation, P.O. Box 263, Bay Pines, FL 33704. Equal Opportunity Employer.

MEDICAL WRITING. International medical communi- cations/publishing company seeks individual with strong scientific/medical background, exceptional writ- ing ability, and proven managerial skills. Experience in managing development of high-caliber, medical journal publications preferred. Freelance opportunities also avail- able. Send résumé to: Personnel-MW, Excerpt Medi- ca, Inc., 105 Raider Boulevard, Belle Mead, NJ 08502.

SYMPOSIAS

SUSCEPTIBILITY AND RISK ASSESSMENT

The Third Annual Symposium of the Health Effects Research Laboratory will be held November 6-9, 1995, at the North Raleigh Hilton in Raleigh, North Carolina. This third in the Annual HERL Symposium Series on Research Advances in Health Risk Assessment will focus on factors affecting the sus- ceptibility of humans, experimental animal models, or cell tests systems to environmental toxins with the goal of refining risk assessment strategies which must consider variable population response. Protection of the “susce- ptible individual” is a fundamental goal of environmental regulation. Indeed, it is generally accepted that if the susceptible individual is protected, then the entire popu- lation will be protected. The format of the HERL Sym- posium will include invited platform presentations and contributed poster presentations. For more information, please contact: 1995 HERL Symposium SUSCEPTIBILITY and Risk Assessment c/o RSD Center Coordinator U.S. EPA HERL MD-70 Research Triangle Park, NC 27711 Telephone: 919-541-5193 FAX: 919-541-4002 Internet: MEETINGS@HERL45.HERL.EPA.GOV

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