

# PRODUCTS & MATERIALS

## Silanated Slides for in Situ Hybridization

SectionLock Slides are treated with a specially formulated aminoalkylsilane to permit covalent coupling of tissue samples to the slide surface. The embedded tissue sections, after being picked up from the water bath with the slide and dried prior to further treatment, will stay on the slide even during long digestion and hybridization procedures. The slides are ready to use—no activation is necessary. **Polysciences. Circle 135.**

## Polyacrylamide Gels

The GC-8 and GC-9 polyacrylamide gels have been optimized for lipoprotein separation. The GC-8, a 2 to 16% gradient gel, is used predominantly for low-density lipoprotein separations. The GC-9 gradient gel offers separation of proteins in a wide range of molecular sizes. **Isolab. Circle 136.**

## Protein Assay

The Cuprous<sup>+</sup> Protein Assay is a spectrophotometric microtiter plate and test tube assay based on the reaction of peptide bonds with alkaline copper. It has a detection limit of 0.5 µg protein. It produces an orange color that is stable for days and provides reliable measurements of optical density and protein concentration. It has minimal protein-to-protein variation and is compatible with a wide range of common chemical agents used to isolate proteins. **Geno Technology. Circle 137.**

## Durable Labels

These tear-resistant, peel-and-stick labels have specially formulated adhesive to withstand freezing temperatures, incubators, water baths, and many solvents. They can be used in liquid nitrogen systems in the vapor or liquid phase. Available in several colors, the labels can be marked with pencil, ballpoint

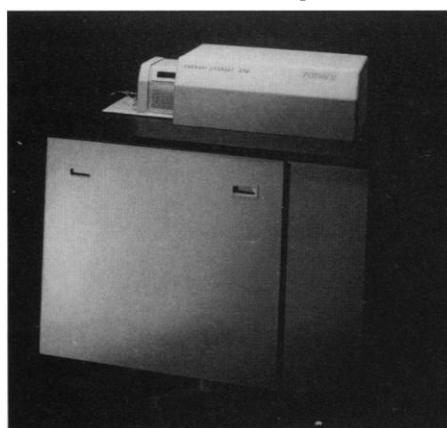
pen, lab markers, and grease pencils. Sizes are designed to fit common centrifuge tubes. **PGC Scientifics. Circle 138.**

## Apoptosis Detection Systems

ApopDetek Cell Death In Situ Labeling and Detection System can be used for the analysis of programmed cell death in tissue sections and cellular preparations. During the early stages of the apoptotic process, chromosome degradation results in the production of many 3'-OH termini. The ApopDetek systems make use of terminal transferase to incorporate biotin-labeled nucleotides onto these 3'-OH termini. Both the labeling and detection are performed directly on the specimen on a microscope slide. The system is comprised of two parts, a labeling pack and a detection system of choice, thus allowing for either colorimetric or fluorescence detection of apoptosis at the single-cell level. **Enzo Diagnostics. Circle 139.**

## Mass Spectrometer

The POEMS II elemental analyzer is the only commercial inductively coupled plasma instrument that combines optical emission



and mass detection in one compact instrument. Simultaneous operation of both detection systems improves laboratory productiv-

ity by extending elemental working ranges from part per trillion to percent levels, therefore limiting dilutions. When the ranges of both techniques overlap, simultaneous determination can also provide data verification. **Thermo Jarrell Ash. Circle 140.**

## PCR Cloning

The pCR-Script SK(+) cloning kits can be used regardless of the enzyme used to perform the polymerase chain reaction (PCR). A new cloning procedure allows PCR products to be quickly and easily cloned, with only a 1-hour ligation. PCR, ligation into the pCR-Script vector, transformation, and plating of the bacteria can be accomplished in one afternoon. In addition, no extra nucleotides are needed on PCR primers. **Stratagene. Circle 141.**

## Implantable Infusion Pump

The Alzet Osmotic Pump is a miniature implantable infusion pump. Model 2004 is 3 cm long and 0.7 cm in diameter. It pumps at 0.25 µl per hour for 28 days and is designed to provide long-term infusion. It provides a very low flow rate of drug, allowing scientists to target compound delivery to specific areas. The pump offers an economical method for researchers to explore the effects of rate- and duration-controlled drug delivery of a wide range of agents, including peptides, growth factors, anticancer drugs, and cardiovascular agents. **Alza Corp. Circle 142.**

## Random Peptide Display Library

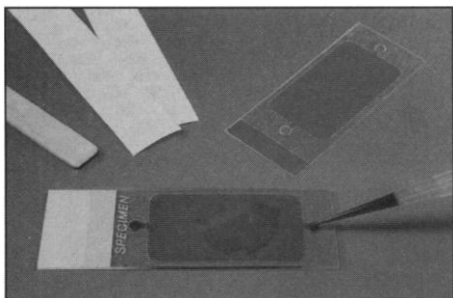
The FliTrx Random Peptide Display Library, for the study of protein-protein interactions, makes use of bacteria flagellum to display random peptide libraries on the surface of *Escherichia coli*. Unlike phage-based display methods, no phage infection or isolation step is necessary. Random peptides are positioned in a flagella (Fli)-Thioredoxin (Trx) fusion protein, which is exported and assembled into partly functional flagella. Proteins of interest are screened by panning and then sequenced. The library ( $1.77 \times 10^8$  primary clones) is supplied in five 1-ml aliquots containing  $2 \times 10^{10}$  cfu/ml. **Invitrogen. Circle 143.**

## In Situ Hybridization Covers

HybriWells form sealed chambers for in situ hybridization and primed synthesis on microscope slides. The hydrophobic covers are ribonuclease-free and will not trap or bind probes. They allow uniform distribution of reagent. HybriWells seal securely to the mi-

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.

croscope slide surface in seconds and can be removed cleanly and easily even after heating. They are especially suited for denaturation steps. Access ports allow for the addition



tion or removal of reagents. The 21 mm by 40 mm interior chambers accommodate large or multiple specimens with a reagent volume up to 100  $\mu$ l. **Grace Bio-Labs. Circle 144.**

### Electroblotters

ISS Semi-Dry Electroblotters are reliable devices for use with proteins and nucleic acids. Requiring less than 2 hours for proteins and 30 to 60 min for DNA and RNA, this technique makes use of the passage of electric current between two graphite electrodes to drive macromolecules out of gels and onto

membranes. These devices are especially efficient for transferring small peptides prior to peptide sequencing. Buffer requirements are significantly reduced because buffer-soaked filter papers placed above and below the gel are used instead of a tank reservoir. **Integrated Separation Systems. Circle 145.**

### Literature

*Precision PAGE Electrophoresis System* is an information sheet on a complete system to go from sample to stain in less than an hour. **Amresco. Circle 146.**

*Cellular Pathology Reagents 1996 Catalog* includes ready-to-use monoclonal and polyclonal primary antibodies, detection systems, chromogens and substrates, buffers, diluents, and permanent aqueous mounting medium. **Diagnostic BioSystems. Circle 147.**

*New Technology Improves Radio-HPLC Detection* is an application note that discusses the advantages of using a radio-high-performance liquid chromatography (HPLC) detector that incorporates modern liquid scintillation counting (LSC) technology and its effect on the detection of low-level biological samples. **LSC**

*Sample Preparation by Solubilization* is a technical note that discusses many of the problems in the preparation of sample material for isotopic determination by LSC. Procedures for digestion of a wide variety of animal tissues such as liver, stomach, and brains are presented, along with procedures for the preparation of more difficult samples such as blood, feces, and plant material. **Packard. Circle 148.**

*Nalgene Encapsulated Filter Products* features new product information on syringe filters, syringe prefilters, and filter capsules. The products are available in various membrane types, pore sizes, membrane diameters, and volume capacities. **Nalge Nunc International. Circle 149.**

*Owl Scientific Product Catalog 1996* includes a complete line of electrophoresis equipment, radiation safety equipment, laboratory accessories, and chemical reagents. New products include a prepackaged, complete sequencing gel mixture, Eluticon Electro-Elution System for high recovery of DNA and RNA elutions, the Centipede horizontal electrophoresis system for screening up to 200 samples on a single gel, and precast gels for protein and nucleic acid separations. **Owl Scientific. Circle 150.**

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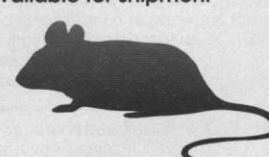
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Wang, X. et al. Matrix metalloproteinase inhibitor BB-94 inhibits human colon tumor growth and spread in a patient-like orthotopic model in nude mice. *Cancer Res.* 54:4725-28 1994

Hoffman, R., Orthotopic is orthodox: why orthotopic transplant metastatic models are different from all other models? *J. Cellular Biochem.* 56: 1-4, 1994



For more information call:

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USA/Canada

7917 Ostrow Street **ANTI-CANCER** INCORPORATED San Diego, CA 92111, USA

# SCIENCE

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Call for rate and deadline information on display classified advertisements.

Bethany Ritchey  
Recruitment Display Advertising  
Telephone: (202) 326-6541  
FAX: (202) 289-6742

Janis Crowley  
Recruitment Advertising Manager  
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Debbie Cummings  
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For **ANNOUNCEMENT** display advertisements, turn to page 905.

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**How to Submit a Line Classified Ad:** Submit double-spaced typewritten copy. Do not include any abbreviations. **SCIENCE** will edit and typeset ads according to **SCIENCE** guidelines. Include billing information and desired publication date. Available categories: Positions Open, Meetings, Announcements, Courses and Training, Services. **SCIENCE** cannot provide proofs of typeset line ads. Line advertisements are not commissionable.

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For line advertising deadlines, call Nancy Hicks.  
Telephone: (202) 326-6555;  
FAX: (202) 289-6742.

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**Cancellations:** Deadline for cancellation is Tuesday, 10 days prior to issue date.

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**SCIENCE** reserves the right, at its discretion, to edit or decline to publish advertisements submitted to it.

## POSITIONS OPEN

### FACULTY POSITION The Cleveland Clinic Foundation

The Department of Molecular Cardiology and the Center for Molecular Genetics, Research Institute, Cleveland Clinic Foundation, is seeking a **FACULTY** member to establish a research program in the molecular genetics of cardiovascular diseases. Identification and characterization of genes associated with heart failure, hypertension, cardiac arrhythmias, and vascular pathologies are all regarded as responsive research programs, and the large patient population of the Cleveland Clinic Foundation could serve as a fertile source of material for genetic analyses. Faculty appointments at all levels will be considered. Molecular Cardiology, with its 18 faculty members, is one of eight departments in the Research Institute with approximately 100 scientists. The Center for Molecular Genetics is a newly founded program within the Research Institute committed to identifying the genetic basis for diseases. Applicants should send a complete curriculum vitae, which includes a proposed research program and the names of three references, to: Edward F. Plow, Ph.D., Molecular Genetics Search, Department of Molecular Cardiology FF20, The Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, OH 44195.

### FISH ECOLOGIST FRESHWATER FISHERIES BIOLOGY

Applications are invited for a 12-month, tenure-track **ASSISTANT PROFESSOR** position. We seek a fish ecologist who will conduct field-oriented research on freshwater fishery and ecosystem management problems within Florida. Responsibilities include development of an externally funded research program, training of graduate students (M.S. and Ph.D.), and participation in the Department's teaching program. A Ph.D. in an appropriate scientific discipline is required. To apply, submit curriculum vitae; cover letter outlining research and teaching interests; and the names, addresses, and telephone numbers of five references by July 1, 1996 to: Fish Ecology Search, Department of Fisheries and Aquatic Sciences, University of Florida, 7922 N.W. 71st Street, Gainesville, FL 32653-3071. An Equal Opportunity/Affirmative Action Employer.

### FOUR TENURE-TRACK POSITIONS New York University Medical Center Department of Physiology and Neuroscience

Applications are invited for positions at **ASSISTANT** or **ASSOCIATE PROFESSOR** levels depending on experience. Areas of research in physiology or neuroscience are open. Applicants can expect start-up funding and renovated laboratory space. Although new faculty will be expected to participate in a team-taught physiology and/or neuroscience course and graduate training programs, the majority of their effort will be devoted to vigorous, independent research. Applicants should send curriculum vitae and summary of current research and goals, together with the names of three references, to:

Rodolfo Llinás, M.D., Ph.D.  
Chairman  
Department of Physiology and Neuroscience  
New York University Medical Center  
550 First Avenue  
New York, NY 10016

*New York University encourages applications from women and members of minority groups.*

### ASSISTANT PROFESSOR/ECOLOGY

**TENURE-TRACK** position. Applicants must have a Ph.D. with experience in teaching at the college level. A background in molecular biology is desired. The primary responsibility of the successful candidate will be teaching, but research is encouraged. Teaching responsibilities will include introductory-level biology courses plus intermediate and advanced-level ecology courses. Graduate courses in a newly formed M.Ed. in Biology program are also possible. Review of applications will begin immediately with a May 31, 1996 deadline. Applicants should send a résumé, a statement of teaching and research interests, and three letters of reference to: Dr. James Phillips, Chair, Biology Department, Westfield State College, Westfield, MA 01086. An Affirmative Action/Equal Opportunity Employer. Women, minorities and persons with disabilities are encouraged to apply.

## POSITIONS OPEN

### ASSISTANT PROFESSOR—GENETICS

Vanderbilt University School of Medicine invites applications for several new **TENURE-TRACK FACULTY** positions as part of an interdepartmental program expansion in genetics. Appointments will be made at the Assistant Professor level. Applicants must have had research experience and high quality publications in one of the following areas: 1) gene mapping, identification of disease loci, and mutational analysis; 2) population genetics and genetic epidemiology; 3) bioinformatics related to gene and genomic databases; and 4) use of mammalian or lower organism model systems for studies of molecular and developmental cell biology, molecular regulation of gene expression, or novel signal transduction mechanisms. Appointments will be in departments most relevant to the interests of the applicant and will come with well-appointed space and generous start-up funds. Applicants should submit, by August 1, 1996, a curriculum vitae, three letters of reference, and a concise description of research plans to: Genetics Search Committee, c/o Jan Lotterer, CCC-3322 Medical Center North, Vanderbilt University Medical Center, Nashville, TN 37232-2103. Vanderbilt is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

### SCIENTIST RESEARCH ASSISTANT PROFESSOR

To study the regulation and function of heme oxygenase and isozymes in transgenic models. Expertise in basic molecular biology and biochemical techniques as applies to eukaryotic cells is required. Send curriculum vitae and names of three references to:

Dr. M. D. Maines  
Department of Biophysics  
University of Rochester (UR) School of Medicine  
Rochester, NY 14642

*University of Rochester is an Equal Opportunity Employer.*

Biologist, Ph.D., **ASSISTANT PROFESSOR**, tenure-track. The University of Texas of the Permian Basin (UTPB), to begin fall semester 1996. Applicant should be able to teach genetics, microbiology, evolution, appropriate portions of general biology, and graduate courses (e.g., molecular genetics). A commitment to excellent teaching is necessary; research is encouraged and expected. UTPB provides an atmosphere that encourages interaction between faculty and students. Submit résumé and the names, addresses, and telephone numbers of three references to: R. Douglas Spence, Coordinator for Biology, UTPB, 4901 East University, Odessa, TX 79762. Telephone: 915-552-2272; FAX: 915-552-2374; Email: [spence\\_d@utpb.edu](mailto:spence_d@utpb.edu). Screening of applicants will commence June 7, 1996. UTPB is an Affirmative Action/Equal Opportunity Employer.

### PRESIDENT Science Service Incorporated Washington, DC

Science Service, Inc. invites nominations and applications for the position of **PRESIDENT**. Founded in 1921, Science Service is a not-for-profit organization devoted to increasing public understanding of science, informing society's leaders of new developments in science, and encouraging pre-college students to become involved in scientific research. Among its many activities, Science Service publishes *Science News* and administers the Westinghouse Science Talent Search and the International Science and Engineering Fair.

Candidates must have demonstrated an understanding of and commitment to science, as well as outstanding management skills. Publishing experience in science is also desirable, as is the capacity to develop proposals and obtain funding for new projects and activities from both government and industry sources. In particular, the trustees are interested in broadening and strengthening Science Service's programs for youth and in exploring opportunities to make use of new media.

Applications and nominations are requested by June 6, 1996. Inquiries, nominations, or applications with résumés should be directed to the Chairman of the Search Committee:

Dr. H. Guyford Stever  
Science Service, Inc.  
1719 N Street, NW  
Washington, DC 20036

*Science Service is an Equal Opportunity Employer.  
Minorities and women are encouraged to apply.*

# NIH Has A New Address.

The National Institutes of Health has introduced a new web site. Now, the latest news about clinical and research training opportunities at NIH can be accessed by visiting us at <http://helix.nih.gov:8001/oe/>

At the site, you can quickly obtain information regarding clinical and postdoctoral training. Review the NIH tenure-track openings. Take a look at the NIH Postdoctoral Research Fellowship Opportunities Catalog which chronicles research being conducted in all NIH laboratories. You can even apply electronically for positions.

All from the convenience of your keyboard.

Plus, the web site links to all NIH institute and laboratory home pages, provides a calendar of events, and offers links to many other areas.

We used to ask you to call us or send your *curriculum vitae*. Now, the best way to find out about world class opportunities at NIH is through the world wide web.



## National Institutes Of Health

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Roche

Immunology Department

## SCIENTIST

At Hoffmann-La Roche, our dedication to innovative scientific research has made us a worldwide leader in the pharmaceutical and health care industries. Currently, we have an opportunity for a skilled scientist to join the immunology research team in our Nutley, New Jersey headquarters.

The selected candidate will participate in the drug discovery process for autoimmune diseases. The candidate will be responsible for the generation, characterization and maintenance of human and murine T cell clones. T cell responses in class II transgenic mice will also be analyzed.

Qualifications include a BS/MS in Biology, Immunology or a related discipline and experience with sterile cell cultures (specifically with transformed/non-transformed mammalian cells). The position requires working with mice.

We offer an attractive salary and benefits package in a state-of-the-art work environment. For consideration, please send your resume with salary requirements to: **Ms. Lynn Harac, Department LH226FF, Hoffmann-La Roche, Nutley, New Jersey 07110-1199. PRINCIPALS ONLY.** No phone calls please. We are an equal opportunity employer.

Roche

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## SCIENTIST

### Molecular Pharmacology of Receptors

SmithKline Beecham Pharmaceuticals is recognized as a world leader in human healthcare and genetic medicine. We are seeking a Scientist to join our pharmacology department.

As a Scientist, you will assist in planning and conducting laboratory experiments in molecular pharmacology directed toward understanding receptor initiated signal transduction as it relates to cardiovascular physiology and pathology. This includes analyzing, recording and maintaining laboratory data, as well as preparing scientific reports for oral presentation and publication.

Qualifications include a BS/MS in biomedical sciences with 3+ years' laboratory experience in the area of receptors and signal transduction. Experience with molecular biology of receptors and high throughput assays for receptors is also required. A working knowledge of cardiovascular pharmacology is desirable.

Located in our state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation and benefits package. For confidential consideration, please forward your resume and salary requirements to: SmithKline Beecham Pharmaceuticals, Job Code H6-0147, P.O. Box 2645, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.



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**NATIONAL CANCER INSTITUTE  
DIVISION OF CANCER TREATMENT, DIAGNOSIS, AND  
CENTERS**

**CANCER DIAGNOSIS BRANCH**

**Opening Date: 4/29/96**

**Closing Date: 5/20/96**

**Announcement Number: CA-96-2304**

**Health Science Administrator (Interdisciplinary)**

**GS-0601-0401/0403/1320-13/14**

The Cancer Diagnosis Branch (CDB) is located in Rockville, Maryland. The CDB administers grants, contracts, and cooperative agreements which are actively supported or in various phases of review. The incumbent will serve as the Program Director for Genetic Technology, a program which supports research focusing primarily on the development of innovative technologies, particularly those that are nucleic acid based, directed to cancer diagnosis, prognosis, prediction of response to particular therapies, and identification of individuals at increased risk. The incumbent will be responsible for planning, analyzing, developing, reviewing, and evaluating research programs with emphasis on the development and application of genetic technologies for cancer diagnosis.

**Salary — Ranges from \$52,867-\$82,217 per annum.**

**Benefits — Health and life insurance options, retirement, paid holidays, vacation and sick leave.**

U.S. citizenship is required. Applicants must meet the basic experience and educational qualification requirements for Health Scientist Administrator. In order to validate your qualifications, it is necessary to describe your proficiency in the following knowledge, skills, and/or abilities (KSAs): 1) Knowledge required to manage a program aimed at the development and application of innovative technologies, particularly nucleic acid based technologies, to cancer diagnosis; 2) Ability to plan, develop, and implement research grant and contract programs including the formulation of program objectives, goals, and initiatives; and 3) Ability to establish and maintain professional relationships with scientists in academia, industry, and Government.

For further qualification requirements, application procedures, and other additional information, please contact Ms. Jill Karr, Personnel Management Assistant, NCI at (301) 402-2812. Please submit either an application for Federal Employment (SF-171) or a resume to Ms. Karr at: **The National Cancer Institute, Personnel Management Branch, 6120 Executive Boulevard, Executive Plaza South, Room 537, Rockville, Maryland 20852.** A current curriculum vitae and bibliography must accompany all applications for this position.

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THE UNIVERSITY OF SOUTHERN MISSISSIPPI

**DIRECTOR**

**Institute of Marine Sciences  
The University of Southern Mississippi**

Applications and nominations are solicited for the position of Director of the newly established University of Southern Mississippi Institute of Marine Sciences. The Institute was created to integrate marine science activities at sites on the Mississippi Gulf Coast and the main campus in Hattiesburg. The University of Southern Mississippi is a Doctoral I university governed by the Board of Trustees of Institutions of Higher Learning of the State of Mississippi. The University offers a wide range of undergraduate and graduate programs, including the baccalaureate, master's, and doctorate in marine biology, and the master's and doctorate in marine science.

Responsibilities of the Director include leadership of about 200 faculty and staff involved in a variety of academic, research, service, and outreach activities in the marine and environmental sciences. The current budget for the Institute from all sources is approximately \$11 million. The Director will lead program development for the Institute and foster relationships with local, state, and federal governmental bodies and with private industry. The Director will also serve as Director of the Gulf Coast Research Laboratory. The Director will report to the Vice President for Research and Planning and will serve on the Academic Affairs Deans' Council.

Applicants must have a doctorate, a history of scientific accomplishments that warrants academic appointment at the rank of professor, a strong record of extramural research funding, and administrative experience in program direction, supervision of personnel, and budget formulation. Review of applications will begin June 1, 1996, and will continue until the position is filled. Applications along with a current vita and the names and addresses of four references should be submitted to: **Dean R. T. van Aller, Chair, Director Search Committee, The Graduate School, Box 5024, University of Southern Mississippi, Hattiesburg, MS 39406-5024** or E-mail to [rvaller@whale.st.usm.edu](mailto:rvaller@whale.st.usm.edu).

*AA/EOE/ADA*

**National Institute of Arthritis and  
Musculoskeletal and Skin Diseases (NIAMS)  
National Institutes of Health (NIH)  
Public Health Service (PHS)  
Bethesda, Maryland**

**CHIEF, LABORATORY OF  
PHYSICAL BIOLOGY (LPB)**

NIAMS invites applications and nominations for the position of Chief, LPB. Investigators in LPB traditionally have employed biophysical approaches to study muscle contraction and other problems in structural biology. NIAMS seeks an investigator interested in pursuing research in related areas and whose leadership will continue the long and prestigious history of this Laboratory. The individual selected may be considered for appointment in the Senior Biomedical Research Service which has a salary range of \$69,300 to \$148,000 per annum. Applicants should submit a curriculum vitae including bibliography and a brief statement of their current interests. Further information can be obtained from: **Dr. H. Metzger, Director, Intramural Research Program, NIAMS, NIH, Bldg. 10/Rm. 9N-228, 10 CENTER DR MSC 1820, Bethesda, MD 20892-1820** (e-mail [hni@box-h.nih.gov](mailto:hni@box-h.nih.gov)). *Applications must be postmarked by the end of July.*

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## Ph.D. MICROBIOLOGIST

The DowElanco Department of Biotechnology and Plant Genetics has an immediate opening for an experienced, highly innovative Ph.D. microbiologist who has comprehensive technical knowledge and experience in the area of microbial interactions in the soil/plant environment. As part of an interdisciplinary team, this scientist will be responsible for technical leadership of an existing group focused on the discovery and characterization of novel micro-organisms which produce toxins useful for proprietary approaches to agricultural and urban pest control. Required technical skills will include experience in optimization of lab-scale fermentation parameters, the ability to apply knowledge of microbial physiology to non-standard laboratory micro-organisms, and expertise in the taxonomic categorization of diverse micro-organisms. Post-doctoral experience in the area of microbial pathogens of plant pests is highly desirable.

The successful candidate will join a highly productive, team-oriented group of scientists committed to the discovery of novel biologically-derived molecules that will lead to new classes of agricultural products for the future.

In addition to a competitive compensation and benefits package, DowElanco offers challenging opportunities within a creative, stimulating, and diverse work environment. DowElanco is an affirmative action, equal employment opportunity employer.

Interested candidates should send a letter of interest, resume, transcripts, and the names, addresses and phone numbers of three references to:

Kathy McIntyre/Microb1  
R&D Human Resources  
DowElanco  
9330 Zionsville Road  
Indianapolis, IN 46268-1054

Deadline for submission is July 1, 1996.



## DEPARTMENT CHAIR AT THE SOUTHWEST FOUNDATION FOR BIOMEDICAL RESEARCH



Nominations and applications are invited for a department chair who has an interest in research with nonhuman primates. The successful candidate will have the opportunity to redefine and further develop a department with an emphasis in molecular medicine, primate disease models, gene therapy, molecular and cellular physiology, or related areas. The name of the present department, Physiology and Medicine, may be changed to reflect a new area of focus. The department currently has four faculty-level members with major collaborative research programs in atherosclerosis, hypertension, bronchopulmonary dysplasia, obesity, and osteoporosis, all involving nonhuman primates. The Southwest Foundation has more than 3,000 nonhuman primates, a strong postdoctoral training program, and a close relationship with the University of Texas Health Science Center at San Antonio. Candidates should have a Ph.D. or M.D. degree, a history of extramural funding, administrative experience, and ability to provide dynamic leadership. Letters of nomination should include a summary of the nominee's research, administrative accomplishments, and other qualifications. Applications should include a curriculum vitae, a list of grant support, a description of research interests and plans, and the names of three references. Materials should be mailed to:

Dr. John L. VandeBerg  
Department Chair Search Committee  
c/o Mike Moore, Director of Human Resources (610)  
Southwest Foundation for Biomedical Research  
P.O. Box 760549, San Antonio, Texas 78245-0549  
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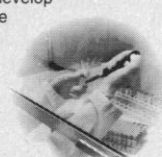
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Of Our Employees.

It takes world-class employees to make a world-class company.

At Abbott Laboratories, our professionals are researching, developing and marketing the health care products that will make a significant impact on generations to come. As we expand our efforts to develop novel therapeutics for inflammatory and autoimmune diseases, our Neuroscience and Immunoscience Research Areas of the Pharmaceutical Products Division are seeking creative, highly motivated individuals for several positions within a multi-disciplinary drug discovery team.



## SENIOR RESEARCH BEHAVIORAL PHARMACOLOGIST

You will design and conduct experiments in the behavioral and pharmacological areas of neuroscience drug discovery, interpret and communicate findings, and maintain detailed records of research activities. This will include the preparation of papers for publication in scientific journals.

We require a Ph.D. and 2+ years of post doctoral work in Neuroscience. Research experience in behavioral neuroscience, including work with neurochemical, neuropharmacological and/or neuroanatomical techniques is a must, as is a basic familiarity with equipment used in assessing behavior in experimental animals. Experience in stereotaxic surgery is also required. A record of accomplishments as evidenced by publications is essential. (Job #96-JLW-1265)

## ASSOCIATE SCIENTISTS - IN VIVO/IN VITRO

You will assist in researching and developing novel therapeutics for inflammatory and autoimmune diseases through in vivo or in vitro experiments. Specifically, you will study immunosuppressant drug effects on cell proliferation, cell activation, signal transduction, and co-stimulatory pathways.

We prefer an MS or BS with 2+ years of research experience in immunology. For the in vitro position, experience with cellular and biochemical measures of T lymphocyte activation is desired. Experience with molecular biology techniques is a plus. For the in vivo position, a research background in models of inflammation and/or autoimmune disease is desired. Experience in surgical manipulations, injection and sampling techniques, HPLC analysis of drug blood levels and immunoassay methods or development of disease models is helpful. (Job #96-JLW-1341)

With 50,000 employees worldwide, and more than \$10 billion in annual sales, we've established ourselves as a respected global business and innovative leader in the changing health care industry. For consideration, please send your resume with salary history to: Abbott Laboratories, Job # \_\_\_\_\_, D583, AP6B, 100 Abbott Park Rd., Abbott Park, IL 60064. Abbott is an Affirmative Action Employer/Smoke-Free Environment.



## POSITIONS OPEN

### POSTDOCTORAL ORNITHOLOGIST

The South Florida Water Management District is seeking a **POSTDOCTORAL** ornithologist to work in Central Florida on breeding ecology of mottled ducks and wintering ecology of anatids along the Kissimmee River.

The qualified candidate will collaborate closely with researchers at the South Florida Water Management District and work out of the Riverwoods Field Laboratory on the Kissimmee River. Experience conducting nest searches for prairie ducks is desirable.

The South Florida Water Management District offers competitive salaries and excellent benefits. Hires will be required to successfully complete a pre-placement drug test. Submit letter, curriculum vitae, and three letters of recommendation along with Social Security number to: **Dr. Thomas Bancroft, Archbold Biological Station, P.O. Box 2057, Lake Placid, FL 33862.** Closing date is June 1, 1996. *Equal Opportunity Employer/Minorities/Female/Disabled/Veterans.*

### POSTDOCTORAL POSITION

Available at the Argonne National Laboratory (20 minutes' drive from Chicago, Illinois). Research in polymerase-DNA and DNA-DNA interactions related to conceptually novel methods of DNA sequencing with modular primer walking, see *PNAS*, 90, 4241-45, 1993; *BioTechniques*, 17, 554-558, 1994; and *NAR*, 23, 2881-2885, 1995. Development of new techniques for rapid DNA sequencing and mapping. Creative ideas are welcome. Funded by the U.S. Genome Program. Contact: **Dr. Levy Ulanovsky** by Email: [BPLEVY@weizmann.weizmann.ac.il](mailto:BPLEVY@weizmann.weizmann.ac.il).

### POSTDOCTORAL FELLOWSHIP

**POSTDOCTORAL FELLOWSHIP** in Behavioral Neuroscience. Laboratory focuses on parental behavior and sexual dimorphism using prairie voles and human tissue. Strong anatomical background needed. Send résumé and statement of interests to: **Dr. Brian Kirkpatrick, Maryland Psychiatric Research Center, P.O. Box 21247, Baltimore, MD 21228.** *Affirmative Action/Equal Employment Opportunity/ADA Employer. Women and minorities encouraged to apply.*

## POSITIONS OPEN



### POSTDOCTORAL SCIENTISTS

LeukoSite, located in the Kendall Square area of Cambridge, is a leader in inflammation research and the development of novel therapeutics for the selective immunosuppression of chronic inflammatory diseases. We have collaborations with leading academic labs in the U.S. and Europe, and a growing publication record (**Ponath et al., J. Clin. Invest.**, 97:604, 1996; **Rand et al., Am. J. Pathol.**, 148:855, 1996; **Shyjan et al., J. Immunol.**, 156:2851, 1996; **Ponath et al., J. Exp. Med.**, in press, 1996). Our vigorous research program has developed a number of exciting opportunities for **POSTDOCTORAL FELLOWS** interested in the immunology and molecular biology of lymphocyte homing receptors, chemokine receptors, and their ligands. Successful candidates should come with a strong record of accomplishment and will be encouraged to publish and present the results of their research. Interested candidates should submit their résumé plus the names of three references to: **Personnel Manager, LeukoSite, Inc., 215 First Street, Cambridge, MA 02142.** *An Equal Opportunity Employer.*

Several new **FACULTY** positions are available for Board-certified/Board-eligible neurologists in the Department of Neurology at Wayne State University School of Medicine. Interests and experiences in multiple sclerosis including clinical trial cerebrovascular disease, pain and headache, and degenerative disease are strongly preferred. Those candidates with laboratory interests should be trained and experienced in molecular and cell biology as it applies to the area of neurological disease. Faculty rank dependent on prior experience and credentials. Send curriculum vitae along with the names of three references to: **Robert P. Lisak, M.D., Professor and Chair, Department of Neurology, Wayne State University School of Medicine, 6E-University Health Center, 4201 St. Antoine, Detroit, MI 48201.** *An Equal Opportunity/Affirmative Action Employer. All buildings, structures and vehicles at Wayne State University are smoke-free. Wayne State University—People working together to provide quality service.*

## POSITIONS OPEN



### CHEMICAL ENGINEER/ RESEARCH PHYSICAL SCIENTIST

The National Center for Agricultural Utilization Research (NCAUR), Peoria, Illinois, has a permanent full-time interdisciplinary position open for either a **CHEMICAL ENGINEER** or **RESEARCH PHYSICAL SCIENTIST**. The scientist, as a team member, will apply current rheological and polymer physics models to develop and analyze rheological and other physical data on a variety of biomaterial suspensions, dispersions, gels, and viscoelastic doughs. In addition, the scientist will conduct research on chemical modification and extrusion processing of biopolymers, such as proteins and starch for industrial usage. Candidate *must be a U.S. citizen* and have a Ph.D. in chemical engineering or physical science or equivalent doctoral degree, or equivalent professional research experience. Knowledge of polymer physics, polymer physical chemistry, and theoretical and experimental rheology is required. The incumbent will be expected to publish and present research results and participate in technical/professional societies. Salary is commensurate with experience (\$43,658 to \$67,491 per year). For additional information about the position, contact: **Dr. Fred Dintzis, USDA/ARS/NCAUR, Telephone: 309-681-6240.** For application procedures/forms, contact: **Human Resources Division, ARS, Telephone: 301-344-1858;** indicate ad number ARS-D6N-077. Application must be postmarked by June 28, 1996. Incomplete applications will not receive consideration.

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In Europe: Contact Debbie Cummings  
Phone: (44) 01223 302-067  
Fax: (44) 01223 576-208  
E-mail: [science@science-int.co.uk](mailto:science@science-int.co.uk)

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Helmut Horten Foundation

## Nominations

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# Helmut Horten Research Award 1997

The Helmut Horten Research Award will be presented for the fourth time on November 14, 1997, in Lugano.

The Helmut Horten Foundation will award a scientist, or a group of scientists working on a common project, the Helmut Horten Research Award which totals **one million Swiss francs** (approximately US\$ 800'000.-). This amount includes a sum to be given to the laureate for his discretionary use and funds to support his research in the field of basic, clinical or applied sciences. The Award will be granted every other year on a world-wide basis.

The Award honours achievements and encourages research in the field of medicine and biology to benefit human health. Such achievements could include seminal scientific contributions to the basic biomedical sciences, epidemiology, parasitology, or to disease eradication efforts.

The Award winner will be selected by a committee of internationally prominent scientists.

The former Award winners are:

- 1991 Prof. Sir Richard Doll and Dr. Richard Peto, Oxford University, GB  
(for contributions in the discipline of epidemiology)
- 1993 Prof. Herbert W. Boyer, University of California, San Francisco  
Prof. Stanley N. Cohen, Stanford University, Stanford  
(for their seminal role in recombinant DNA technology)
- 1995 Prof. Yuet Wai Kan, University of California, San Francisco  
Prof. Stuart H. Orkin, Harvard Medical School, Boston  
Prof. Sir David J. Weatherall, University of Oxford, GB  
(for contributions concerning the knowledge and prevention of the Thalassemia syndromes)

Please note:

1. Nominees should be proposed by scientists, physicians or institutions having detailed knowledge of the candidate's research.
2. Nominations submitted by candidates themselves cannot be considered.
3. Nominations must be made on the official form.  
For additional information please contact:  
The Secretary of the Selection Committee  
Helmut Horten Foundation  
CH-6995 Madonna del Piano/Switzerland
4. Nominations must be sent by September 4, 1996.  
Villalta, May 1996



## POSITIONS OPEN

### RESEARCH TOXICOLOGIST

The Toxicology Department of the Navy Medical Research Institute (NMRI) seeks applications for a **RESEARCH TOXICOLOGIST** at the level of a GS-12. This is a full-time, permanent Civil Service position. The incumbent of this position will conceive, design, conduct, and supervise toxicology testing studies and basic research projects. The goals of these research efforts include providing toxicity data on chemicals of Navy concern and developing an understanding of mechanisms of action of such chemicals. Incumbent will assist in the process of instilling laboratory toxicity data into the Naval Occupational Health and Safety program.

The successful applicant must possess a degree in toxicology or an appropriate discipline of the biological, medical, or veterinary sciences that includes at least 30 semester hours in toxicology. In addition, one year of specialized experience equivalent to the next lowest grade level or a Ph.D. or equivalent doctoral degree is required. Candidates must demonstrate knowledge of state-of-the-art toxicology, toxicokinetics, and toxicodynamics and current biochemical analysis skills as well as a demonstrated ability to lead a research team.

Publication of research results and the ability to communicate orally and in writing is required. Evidence of active research is also required.

To apply, applicants must send a résumé including a list of publications by 1 August 1996 to:

Ms. D. Hedges  
NMRI/TD Building 433  
2612 Fifth Street  
Wright-Patterson AFB, OH 45433-7903

### MEDICAL ISSUES RESEARCH ANALYST

Major midwest law firm is seeking applicants for the position of **RESEARCH ANALYST**. Duties include: medical literature and medical records review and analysis; preparation and communication to nonscientists of analyses of medical issues. Position may require some travel. This is a high intensity position that emphasizes practical application of scientific knowledge. The position requires a result-oriented and self-motivated individual.

This position requires an outstanding academic record and a graduate degree in biological, life, or biomedical sciences. A working knowledge of pharmacology and/or epidemiology is preferred. Excellent communication skills, both oral and written, are essential. No legal education or experience required.

Please send a letter of application, complete college transcripts, a personal résumé, and references to:

Employment Supervisor  
Shook, Hardy & Bacon L.L.P.  
One Kansas City Place  
1200 Main Street  
Kansas City, MO 64105-2118

### The Capizzi Ph.D. Graduate Research Assistantship

.50 FTE, 12-month position developing modern approaches to delivery of extension services. Specific topic will be developed in collaboration with extension entomologists in the Department. Post carries responsibility for maintaining and developing insect identification service. Position ideal for a candidate wishing to take up a career in extension entomology and would suit applicant with interest and skills in information technology and education via new media, as well as economic entomology. Applicants should have, or be about to obtain, M.S. in an appropriate subject and must be eligible for admission to Oregon State University graduate school. Submit letter of application, curriculum vitae, college transcripts, and three letters of reference to: **Dr. Paul Jepson, Chair, Department of Entomology, 2046 Cordley, Oregon State University, Corvallis, OR 97331-2907** by June 30, 1996. *Oregon State University is an Affirmative Action/Equal Employment Opportunity Employer.*

**POSTDOCTORAL POSITION** for a histologist with expertise in immunocytochemistry to work on hormone action and aging. Send curriculum vitae and names of three references to: **Dr. Arun K. Roy, Professor of Cellular and Structural Biology, The University of Texas Health Science Center, San Antonio, TX 78284-7762.** *The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### RESEARCH ASSOCIATE

An established NIH-supported lab in the field of hepatic membrane transport and pathobiology seeks an experienced individual who can perform original research as well as provide technical advice and guidance for a lab of seven to nine students, fellows, and faculty. Requirements: Ph.D. in membrane transport, biochemistry, or cell biology. Experience in biochemistry, including protein isolation and characterization; cell biology, including cell fractionation; and molecular biology, including hybridization techniques. An opportunity exists for this position to extend into a faculty position. Send curriculum vitae to: **Dr. Irwin Arias, M.D., Chairman, Department of Physiology, Tufts University, 136 Harrison Avenue, Boston, MA 02111.** Applications will be accepted through June 15, 1996. *An Affirmative Action/Equal Opportunity Employer.*

### RESEARCH FELLOW

An established NIH-supported lab in the field of hepatic membrane transport and pathobiology seeks Ph.D. Requirements: Ph.D. in membrane transport, biochemistry, or cell biology. Experience in biochemistry, including protein isolation and characterization; cell biology, including cell fractionation; and molecular biology, including hybridization techniques. Send curriculum vitae to: **Dr. Irwin Arias, M.D., Chairman, Department of Physiology, Tufts University, 136 Harrison Avenue, Boston, MA 02111.** Applications will be accepted through June 15, 1996. *An Affirmative Action/Equal Opportunity Employer.*

### GRADUATE STUDIES VISION SCIENCE

The Graduate Program in Vision Science leading to a Ph.D. degree has positions available for study through various interdisciplinary programs. Potential candidates must have completed an undergraduate degree in biological, physical, or health sciences. Fellowships are funded by National Eye Institute, Graduate School and other outside agencies. For application write to: **Dr. Graeme Wilson, Director, Graduate Program, Vision Science Research Center, University of Alabama at Birmingham, 924 South 18th Street, Birmingham, AL 35294-4390.**

### BOSTON UNIVERSITY SCHOOL OF MEDICINE

Applications are invited from accomplished **SCIENTISTS** interested in the molecular and cellular basis of neurodegenerative diseases. The role of growth factors in neuronal development and plasticity is also of particular interest. Start-up funds, core facilities, and laboratory space are available to establish a state-of-the-art research program. Please send curriculum vitae, a brief statement of research goals, and the names and telephone numbers of at least three references to: **Dr. David H. Farb, Department of Pharmacology, Boston University School of Medicine, 80 East Concord Street, Boston, MA 02118.** *Equal Opportunity/Affirmative Action Employer.*

**A POSTDOCTORAL POSITION** is available to study communication between different excitable or non-excitable cell types, (epithelial/endothelial—smooth muscle of airways, vasculature or myometrium or glial cells: *Mol. Cell. Endocrinol.*, 98:173, 1994). Techniques include video microscopy of  $Ca^{2+}$  dyes, photochemistry, electrophysiology, and molecular biology. Electrophysiology experience an advantage but not essential. Send curriculum vitae and statement of interests to: **Dr. M. J. Sanderson, Physiology, University of Massachusetts Medical Center, 55 Lake Avenue North, Worcester, MA 01655.** FAX: 508-856-5997. *University of Massachusetts Medical Center is an Equal Opportunity/Affirmative Action Employer.*

### MOLECULAR NEUROBIOLOGY POSTDOCTORAL POSITION

Available immediately for structure/function studies on glutamate receptor modulation by phosphorylation. Molecular biology background required. Studies mainly use *Xenopus* oocyte expression system and electrophysiological analysis. Send curriculum vitae and names with addresses of three references to: **Dr. John P. Leonard, Department of Biological Sciences, MC/066, University of Illinois at Chicago, 845 West Taylor Street, Chicago, IL 60607.** *University of Illinois at Chicago is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### ASSISTANT DIRECTOR FOUNDATIONS OF SCIENTIFIC INQUIRY

New York University's (NYU's) Faculty of Arts and Science seeks an individual to monitor, coordinate, and direct all aspects of the Foundations of Scientific Inquiry program. Supervise support and professional staff; teach and advise students. Requirements: advanced degree in science or science education or equivalent; two to three years of administrative experience in an academic environment (including supervisory experience) and over two years of teaching experience at the college level also required. Ph.D. and experience coordinating a large teaching staff strongly preferred. Excellent benefits package. Send résumé and cover letter to: **NYU Faculty of Arts and Science, 5 Washington Square North, New York, NY 10012, Attn: Personnel Office.** *NYU encourages applications from women and members of minority groups.*

### POSTDOCTORAL POSITION

**A POSTDOCTORAL POSITION** is available immediately to study *Cryptosporidium* host-parasite interaction. Background in molecular/cell biology required. Send curriculum vitae to: **Honorine Ward, M.D., Box 041, Department of Medicine, New England Medical Center and Tufts University School of Medicine, 750 Washington Street, Boston, MA 02111.** FAX: 617-636-5292.

Three **POSTDOCTORAL RESEARCH ASSOCIATE** positions, funded by NIH, are available September 1, 1996, to study the acute and chronic aspects of the negative effect of alcohol on cardiovascular neurobiology. Studies will involve hemodynamic and electrophysiologic measurements in chronically instrumented conscious rats as well as central administration of drugs to investigate the role of central sympathetic pathways in the interaction. Candidates must have a Ph.D., M.D., D.V.M., or equivalent degree. Familiarity with molecular neurobiology and autoradiography are desirable. Send curriculum vitae, description of research experience, and names of three references to: **Dr. Abdel A. Rahman, Department of Pharmacology, East Carolina University School of Medicine, Greenville, NC 27858.** Federal law requires proper documentation of identity and employability at the time of employment. *Affirmative Action/Equal Opportunity Employer.*

### POSTDOCTORAL FELLOW

A cancer biology/gene therapy group is looking for an M.D. or Ph.D. to fill the above position. A background in immunology or protein structure is preferable. Expected start date is July 1, 1996 or shortly after. Our group includes two M.D.s, three Ph.D.s, a laboratory assistant, and a graduate student. Major areas of interest are tumor biology and immunology of human gynecological malignancies, including of the breast and ovary. The group has intensive gene therapy expertise and is working on FDA approval for its second and third clinical trial. Send curriculum vitae and names of three references to: **Aizen J. Marrogi, M.D., Department of Dermatology, Tulane University School of Medicine, 1430 Tulane Avenue, New Orleans, LA 70112.**

### UNIVERSITY OF CHICAGO

**TWO POSTDOCTORAL** positions are available immediately to study molecular mechanisms of neuronal survival and differentiation. Ongoing projects involve neurotrophins in retinal development and the use of viral vectors (gene therapy) in neurodegenerative disease. Molecular and/or anatomical experience necessary. Send curriculum vitae, three references, and description of research to: **Fernette Eide, M.D., Department of Neurology, MC 2030, University of Chicago, 5841 South Maryland Avenue, Chicago, IL 60637.** FAX: 312-702-9060; Email: feide@drugs.bsd.uchicago.edu.

### CYSTIC FIBROSIS RESEARCH

**POSTDOCTORAL POSITIONS** available to study sodium and chloride channel physiology and molecular biology in normal and Cystic Fibrosis-affected epithelial tissues. Emphasis is on electrophysiology, mammalian and *Xenopus* oocyte expression systems, and mutation analysis. Some experience in the electrophysiology of ion channels is preferred. Send curriculum vitae and the names of three references to: **The Director of Cystic Fibrosis Research, Department of Physiology, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205.** Email: wguggin@wpo.bs.jhu.edu.

Infolge Rücktritts des derzeitigen Stelleninhabers ist auf den 1. Juli 1997 der posten des



**Direktors  
des  
Schweizerischen Tropeninstituts (STI)  
in Basel**

neu zu besetzen. Gesucht wird eine Persönlichkeit mit

- ausgewiesener wissenschaftlicher Tätigkeit auf dem Gebiet der tropen-orientierten biomedizinischen Forschung, Epidemiologie und des Gesundheitswesens
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- reicher universitärer Lehrerfahrung
- guten Kenntnissen der Verwaltung eines wissenschaftlichen Instituts und Erfahrung in der Führung von Auslandsprojekten
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Geboten wird eine vielseitige und verantwortungsvolle Aufgabe in der Schweiz und in Übersee, die, neben einer grossen Selbständigkeit, auch die Zusammenarbeit mit einem bestehenden, eingespielten MitarbeiterInnen-Team erfordert. Umhabilitierung an die Universität Basel wird erwartet. Zeitgemässe Salarierung und Sozialleistungen werden geboten.

Informationen zur gegenwärtigen Organisation und Tätigkeit des STI können bei dessen Sekretariat angefordert werden. InteressentInnen reichen ihre Bewerbung (mit dem Vermerk: persönlich und vertraulich)-in deutscher Sprache und handschriftlich abgefasst-mit den üblichen Unterlagen bis zum 31. Mai 1996 ein bei Herrn Prof. Dr. H.R. Striebel, Präsident des Kuratoriums des Schweizerischen Tropeninstituts, Socinstrasse 57, Postfach, CH-4002 Basel.



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**POST-DOCTORAL FELLOWSHIPS**

The NZ Science & Technology Post-Doctoral Fellowships Scheme provides early career support for New Zealand scientists, engineers and social scientists of outstanding talent, for post-doctoral research either locally or overseas. Applicants must be New Zealand citizens or permanent New Zealand residents.

Fellowships will normally have a maximum value of NZ\$70,000 (incl. GST) per year; the stipend will on average be NZ\$50,000 (incl. GST). A contribution is made to the costs incurred by an organisation hosting a Fellow. Fellowships tenable in overseas countries will have an overall value that reflects costs of working in the particular country; applications to work in countries with which New Zealand has not had strong science links are encouraged.

Applications must be received by 10 June 1996, on the application form available from the Foundation. Please contact:

**The Foundation for Research, Science and Technology**  
PO Box 12-240, Wellington, New Zealand.  
Tel: 64-4-499 2559, Fax: 64-4-499 2568  
Email: pdfs@frst.govt.nz

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Applicants are invited for a **POST-DOCTORAL POSITION** to investigate the interactions between steroid hormones, neurotransmitters and cytokines in the CNS. Research experience in molecular (neuro) biology and neuroimaging techniques (e.g., in situ hybridisation, immunohistochemistry) is required. Experience in experimental animal techniques would be favorable. The successful candidate will be a member of a multidisciplinary team conducting basic research on the pathogenesis of stress-related psychiatric disorders such as major depression. The position will last for up to 2 years with possible extension thereafter. Applications should be addressed to **Personnel Office, Max Planck Institute of Psychiatry, Clinical Institute, Kraepelinstr. 2-10, D-80804 Munich, Germany.**



### Lectureship in Anatomy

Applications are invited for a Lectureship (Non-clinical) in the Department of Anatomy (Ref: RF-95/96-87), tenable from 1 July 1996, subject to the availability of funding. Appointment will initially be made on a fixed-term basis of three years, with a possibility of renewal.

Applicants should possess a Ph.D. in a relevant science subject with post-doctoral research experience, or a registrable medical or dental qualification with research/clinical experience. The appointee is expected to undertake general teaching duties for pre-clinical students of medicine and dentistry as well as nursing students in one or more anatomical specialties, to conduct research and to supervise postgraduate students. Preference will be given to applicants who have research interests in one of the Department's existing areas of expertise which include Cancer Biology, Molecular and Cell Biology, Functional Morphology and Biomechanics, Neurobiology, Neuroendocrinology and Reproductive Biology.

Annual salary per annum [non-superannuable but attracting 15% (taxable) terminal gratuity] is on an 11-point scale, with starting salary depending on qualifications and experience: HK\$454,200 - HK\$758,700 (approx. US\$58,987 - US\$98,532; US\$ equivalents as at 10 April 1996).

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 7.5%.

Further particulars and application forms may be obtained either on WWW at <http://www.hku.hk>, or from the Appointments Unit, Registry, The University of Hong Kong, Hong Kong (Fax (852) 2540 6735/2559 2058; E-mail: APPTUNIT@REG.HKU.HK).

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### Worley H. Clark Chair in Chemical Engineering at North Carolina State University

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**Prof. Ruben G. Carbonell**  
**Hoechst Celanese Professor and Head**  
**Department of Chemical Engineering**  
**North Carolina State University**  
**Box 7905**  
**Raleigh, NC 27695-7905**

If there are any questions about this opportunity, please call (919) 515-2499. This office can also be reached by FAX: (919) 515-3465 or email: [ruben@ncsu.edu](mailto:ruben@ncsu.edu). *NCSU is an affirmative action equal opportunity employer.*

The Department of Veterinary Pathobiology, Texas Veterinary Medical Center, Texas A&M University, invites applicants for at least three tenure-track faculty positions. Appointments will have approximately 70% effort in research and 30% effort in teaching/service responsibilities. Candidates will be expected to establish and maintain a vigorous and independent, extramurally funded research program. Research focus should complement the departmental themes of parasitology, mechanisms of infectious diseases, pathogenesis, and genetics of host resistance to disease. One position will require a DVM or equivalent degree, ACVP certification or eligibility, and participation in anatomic pathology teaching and necropsy/biopsy service as part of the position's 30% teaching/service effort. The additional positions require a Ph.D. or equivalent degree. The 30% teaching/service effort of these two other positions will be teaching at the undergraduate, professional, or graduate level in the respective areas of expertise. Appointments are for 12 months with a competitive salary, laboratory space, and start-up support available. Departmental core facilities include: automated DNA sequencing and oligonucleotide synthesis; flow cytometry; gene targeting/transgenic mice; morphometric analysis/gel documentation; and histology/immunohistochemistry/in situ PCR. College facilities provide an ACAS/Confocal/EM image analysis core. Academic disciplines of the department include parasitology, anatomic pathology, microbiology, immunology, clinical pathology, and molecular genetics. The department's approximately 45 faculty and 70 graduate students participate in diverse research activities including established campus-wide programs in genetics, toxicology, nutrition and neurosciences. Review of applicants will begin immediately and continue until these positions are filled. Applicants should send a curriculum vitae, a statement of research interests and goals, pertinent reprints, and a list of three references to: **Dr. Jim Womack, Chair of Search Committee, Department of Veterinary Pathobiology, Texas Veterinary Medical Center, Texas A&M University, College Station, TX 77843-4467. Telephone: (409) 845-9810, FAX: (409) 845-9972.** Additional departmental information, including current faculty interests, may be viewed via WWW at <http://cvm.tamu.edu/~vtpb>. *Texas A&M University is an equal opportunity employer committed to excellence through diversity, and encourages applications from women and minorities.*

## POSITIONS OPEN

### POSTDOCTORAL POSITIONS

#### Mechanisms of Neurodegeneration/Regulation and Molecular Biology of Glutamate Transporters

**POSTDOCTORAL POSITIONS** (over two years) available to study 1) the molecular regulation of neurotransmitter glutamate transport under normal and pathophysiological conditions, 2) molecular neuroanatomy of glutamate transporter subtypes, and 3) excitotoxic and oxidative mechanisms in chronic motor neuron degeneration. Experience with some of the following are required: basic molecular biological techniques, transcriptional or translational controls, cell culture. Studies will include regulation of cloned transporters under normal and pathophysiological conditions, antisense knockout of glutamate transporters, development of transgenic mice over-expressing various glutamate transporter subtypes, detailed immunohistochemical and electron microscopic localization of transporter subtypes. Studies may also include studies using other transgenic animal lines (BCL-2, SOD1 mutations, SOD1 knockout) readily available or already in use. Send curriculum and references to:

Jeffrey D. Rothstein, MD, Ph.D.  
Johns Hopkins University  
Department of Neurology  
Meyer 5-119, 600 North Wolfe Street  
Baltimore, MD 21287  
Telephone: 410-955-6435  
FAX: 410-955-1961

*Johns Hopkins University is an Equal Opportunity Employer.*

### POSTDOCTORAL FELLOW

University of California, San Francisco (UCSF). **POSTDOCTORAL** position available immediately to study regulation of molecular chaperone expression, focusing on mechanism of transcriptional regulation by ethanol. Goals include identification of ethanol-responsive transcription factors and signaling cascade involved in ethanol action. Experience in molecular biology is required. Experience with transcriptional regulation and signal transduction is preferred. Applicants must have a Ph.D. in biochemistry, molecular biology, or related field. Send curriculum vitae, brief summary of research experience, and three letters of reference to: Michael F. Miles, M.D., Ph.D., University of California, Department of Neurology, Building 1, Room 101, 1001 Potrero Avenue, San Francisco, CA 94110. *Affirmative Action/Equal Opportunity Employer.*

**POSTDOCTORAL/RESEARCH ASSOCIATE** position available for a Ph.D. with experience in molecular approaches to join a multidisciplinary group studying the cell biology of exocrine mucous gland cells. We are currently elucidating signaling mechanisms associated with muscarinic cholinergic and VIP-induced exocrine secretion, and points of convergence. Responsibilities include participation in ongoing studies and helping design and implement investigations of agonist regulation of mucous cell specific gene expression. Contact: Dr. David Culp, Department of Dental Research and of Pharmacology and Physiology, University of Rochester, Box 611, 601 Elmwood Avenue, Rochester, NY 14642. Email: dculp@medinfo.rochester.edu.

**POSTDOCTORAL FELLOW**—Molecular Immunology: A position is immediately available to study MHC class II antigen presentation, B cell activation, and peptide/MHC stimulation of T cells clonally expanded in rheumatoid synovium. Requires Ph.D. and experience in cellular immunology and molecular biology. Prior work with antigenic peptides or signal transduction is desirable. Send curriculum vitae and a list of references to: Dr. Daniel W. Carr, Veterans Affairs Medical Center, Mail Stop 151F, Portland, OR 97201. FAX: 503-721-1082; Email: carr.daniel\_w@portland.va.gov.

### POSTDOCTORAL POSITION IMMUNOLOGY

Available immediately for a newly graduated Ph.D. to work on CD4 T cell activation and differentiation. Projects include analyses of costimulatory molecules, peptide analogues, and cytokines during response and in generation of T cell subsets. Background in immunology required. Prior experience with culture of T cells highly desirable. Send résumé and three references to: Dr. M. Croft/SS-HR, 11149 North Torrey Pines Road, La Jolla, CA 92037. *Equal Employment Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### POSTDOCTORAL/LECTURER POSITION

The Shoals Marine Laboratory (SML) invites applications for **ASSOCIATE DIRECTOR**. The SML, a shared venture between Cornell University and the University of New Hampshire (UNH), is primarily an undergraduate teaching program located on Appledore Island in the Gulf of Maine. The Associate Director will be based at UNH's campus in Durham, New Hampshire. Duties include: a) acting as SML's advocate at UNH (recruiting students, integrating SML activities with the UNH curriculum, and fundraising); b) analyzing SML's twenty plus years of intertidal transect data; c) teaching appropriate courses at UNH during the academic year; d) spending part of each summer on Appledore overseeing and participating in the academic program. Preference will be given to applicants with a strong interest in undergraduate education and a background in intertidal ecology. This renewable, one-year appointment is available immediately.

Send curriculum vitae, statement of teaching and research interests, and three letters of recommendation to: Dr. Brian R. Rivest, Interim Director, Shoals Marine Lab, G-14 Stimson Hall, Cornell University, Ithaca, NY 14853. Public FAX: 607-255-0742; Email: BRR5@CORNELL.EDU; World wide web site: HTTP://WWW.SML.CORNELL.EDU. Screening of completed applications will begin June 8, 1996 and continue until the position is filled. *Cornell University and UNH are Affirmative Action/Equal Opportunity Employers.*

### NEUROBIOLOGIST

A position is available for a **POSTDOCTORAL IRTA** fellow (Ph.D., M.D. or equivalent) with expertise in developmental or molecular biology or neurobiology. Applicant will focus on factors responsible for differentiation of the LHRH neuronal phenotype from olfactory epithelium and mechanisms directing cell-specific migration of LHRH neurons into developing forebrain. Model systems include embryonic nasal explants, transgenic/normal mice, and immortalized LHRH cell lines. Salary will be commensurate with experience. Send a curriculum vitae, statement of research interests, and names of references by June 30, 1996 to: Dr. Susan Wray, Cellular and Developmental Neurobiology Section, Laboratory of Neurochemistry, NINDS, NIH, Building 36/Room 4D-20, Bethesda, MD 20892-4130. For qualification requirements contact NINDS Personnel, Telephone: 301-496-6334. *NIH is an Equal Opportunity Employer.*

### POSTDOCTORAL FELLOWSHIP

Position available for **PROTEIN BIOCHEMIST/MOLECULAR BIOLOGIST** in well-funded laboratory investigating molecular basis of endothelial cell cytoskeletal organization and cell-cell interactions. Experience in molecular biology, signal transduction, protein-protein interactions, or protein phosphorylation desirable. Send curriculum vitae and names of three references to: Dr. Simeon Goldblum, University of Maryland School of Medicine, Medical Service (111), VA Medical Center, 10 North Greene Street, Baltimore, MD 21201. *An Affirmative Action/Equal Opportunity Employer.*

**POSTDOCTORAL POSITION** for NIH-funded project to study outer membrane proteins of pathogenic *Leptospira* species. A variety of novel molecular and biophysical approaches are being utilized to identify transmembrane and lipoprotein components of the leptospiral outer membrane. In addition to characterization of their structure, function, and expression, the study involves testing the ability of these molecules to serve as protective immunogens. Interested candidates should send curriculum vitae and names of three references to: David A. Haake, M.D., Division of Infectious Diseases, 111F, West Los Angeles VA Medical Center, Los Angeles, CA 90073. FAX: 310-391-1966; Email: haake.david@west-la.va.gov.

### UNIVERSITY OF ZURICH Postdoctoral Research Associate in Neuroscience

A position (up to three years) for an electrophysiologist is open to study the roles of metabotropic glutamate receptors in a hippocampal slice culture model of cerebral ischemia. Starting salary: \$55,000 to \$60,000. Applicants are invited to send their curriculum vitae and names of references to: Dr. U. Gerber, Brain Research Institute, University of Zurich, August Forel-Strasse 1, CH-8029 Zurich, Switzerland.

## POSITIONS OPEN

### MOLECULAR BIOLOGIST POSTDOCTORAL LEVEL

Lundberg Laboratory for Diabetes Research, Å Göteborg, Sweden

Experienced molecular biologist wanted for a **POSTDOCTORAL** position. Candidate should preferably have experience in insulin/cytokine signaling and solid background in molecular biology including run-on assays, cloning, vector constructs etc. Focus for candidate will be on regulation of transcription.

For further information please contact: Cristina Rondinone, Ph.D., Email: cristina.rondinone@medicin.gu.se or Ulf Smith, M.D., Telephone: +46 31 601104. Send before June 30, 1996, applications, including curriculum vitae and names of three references, to: Professor Ulf Smith, Lundberg Laboratory for Diabetes Research, Sahlgrenska University Hospital, S-413 45 Göteborg, Sweden.

**POSTDOCTORAL/RESEARCH ASSOCIATE** position is available to study the neurophysiology of subcortical pathways mediating ocular accommodation and vergence eye movements. Work involves behavioral and electrophysiological (single-unit) studies using trained primates. Individuals with interests in behavioral neuroscience, neural control of movement or vision are encouraged to apply. Experience with single-unit recording or behavioral training is useful but not necessary. Excellent research environment and benefits. For more information, contact: L. Mays, Chairman, Department of Physiological Optics, The University of Alabama at Birmingham, Birmingham, AL 35294-4390. Telephone: 205-934-1158; FAX: 205-934-5725; Internet: lmays@vision.vsrc.uab.edu. *Equal Opportunity/Affirmative Action Employer.*

### POSTDOCTORAL RESEARCH POSITION Reproductive/Developmental Endocrinology

Available immediately to Ph.D. to study peptide and steroid hormone production *in vivo* at the cellular/subcellular/molecular level by fetoplacental unit during pregnancy. Background in reproductive endocrinology and U.S. citizenship essential. See *Endocrine Rev.*, 16:608, 1995. Send curriculum vitae to:

Eugene D. Albrecht, Ph.D.  
Center for Studies in Reproduction  
Department of Obstetrics and Gynecology  
University of Maryland School of Medicine  
655 West Baltimore Street  
Baltimore, MD 21201

**POSTDOCTORAL POSITION** available for a motivated individual to study gene expression in human neutrophils. Applicants should have a Ph.D., M.D., or equivalent and experience in molecular biology. This NIH grant-funded position is available July 1, 1996. Send curriculum vitae and three letters of reference to: Dr. H. Hank Simms, M.D., Department of Surgery, Brown University, Rhode Island Hospital, APC-103, 593 Eddy Street, Providence, RI 02903. *Affirmative Action/Equal Opportunity Employer.*

**POSTDOCTORAL POSITION** available to study cellular mechanisms of synaptic plasticity contributing to simple forms of learning in *Aplysia*. Experience in electrophysiology required. Send curriculum vitae and names of three references to: Dr. Robert Hawkins, Center for Neurobiology and Behavior, Columbia University, 722 West 168th Street, New York, NY 10032. *Columbia University takes Affirmative Action toward Equal Opportunity.*

### POSTDOCTORAL POSITION

**POSTDOCTORAL POSITION** available to study the transcriptional regulation of a mammalian peptidase gene using cell transfection and transgenic mouse models. Experience in molecular biological techniques an asset. Send curriculum vitae and letters of recommendation to: Dr. Louis B. Hersch, Department of Biochemistry MS607, University of Kentucky, Lexington, KY 40536-0084. *An Affirmative Action/Equal Opportunity Employer.*

### POSTDOCTORAL FELLOWSHIP Cornell University Medical College

Second **POSTDOCTORAL POSITION** available immediately to study signaling mechanisms in virally mediated endothelial cell apoptosis. Molecular biology experience necessary; HIV experience desirable. Respond to: Jeffrey Laurence, M.D., Cornell University Medical College, 411 East 69th Street, New York, NY 10021.



# Looking for Talent in Bioinformatics?

**JUST ADDED! Special Product Advertising Supplement focusing on Computers in Science -- 7 June 1996.**

***NEW! Bioinformatics Banner Highlights  
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In this issue, SCIENCE will highlight recruitment advertisements targeted to scientists with computer expertise under a new **Bioinformatics banner**. This is the perfect place to promote your career opportunities.

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***For more information contact:***

***US: Janis Crowley***

Phone: (212) 496-7704

Fax: (202) 289-6742

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Phone: +44 (0) 1223 302067

Fax: +44 (0) 1223 576208

**Space Reservation Deadline: 21 May 1996**

# SCIENCE

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For more information contact: Janis Crowley

Phone: (202) 326-6532; Fax: (202) 682-0816

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## THE WINERY OF Ernest & Julio Gallo

### POSTDOCTORAL

A Postdoctoral position is now available at E. & J. Gallo Winery in Modesto, California. The position will involve the genetic investigation of wine and grape microorganisms through the utilization of new molecular techniques. The position will be within the Microbiology Group, but will work closely with the Genetics Group. The applicant will be expected to focus on the use of molecular fingerprinting techniques to genetically characterize and compare selected microorganisms. The ultimate goal will be to examine resultant markers for their utility as diagnostic probes. As a member of the Microbiology and Genetics Group, the candidate will be expected to contribute and participate in other team projects as well. The applicant should possess a Ph.D. in genetics/biochemistry or a related area, and must have a strong background in fingerprinting, marker analysis and cloning. Experience with PCR-based diagnostic probe development would be highly desirable. Interested individuals should send a curriculum vitae, description of prior research, and three letters of reference to: Professional Staffing Dept.-PD, E.&J. Gallo Winery, PO Box 1130, Modesto, CA 95353. EOE M/F/H.



## The Morrison Memorial Postdoctoral Fellowship

The Department of Biochemistry, St. Jude Children's Research Hospital, is enlarging its research efforts in the area of the molecular and cellular biology of signal transduction. As part of this expansion, the Board of Governors has established a memorial fellowship in honor of Dr. Martin Morrison, the founding chairman of the Department. The research programs within the Department are well-equipped and offer recent Ph.D. or M.D. graduates the opportunity to participate in energetic multidisciplinary groups dealing with a range of basic and clinically oriented research. SJCRH offers a competitive stipend and annual review for reappointment. The beginning date of the fellowship is September 1, 1996. Current research programs within the Department include:

**Paul Brindle:** Signal dependent regulation of c-activator/transcription factor interactions.

**John Cleveland:** Oncogene control of apoptosis.

**James N. Ihle:** Mechanisms of hematopoietic stem cell growth regulation, differentiation and transformation.

**Paul Ney:** Transcriptional regulators of erythroid cell fate.

**Suzanne Jackowski:** Cell cycle regulation of membrane phospholipid biosynthesis.

**Charles Rock:** Role of phospholipid-derived second messengers in growth factor action.

**Robert Rooney:** Mechanisms of transcription factor regulation by the E1A oncogene.

**Brian Sorrentino:** Retrovirally mediated transfer of drug resistance genes to hematopoietic stem cells.

**Gerard Zambetti:** Function of wild-type and mutant p53 in tumor suppression and oncogenesis.

Applicants should submit a brief statement of their research interests, curriculum vitae, reprints, and the names of three references to:

### The Morrison Postdoctoral Fellowship

Department of Biochemistry  
St. Jude Children's Research Hospital  
332 North Lauderdale • Memphis, TN 38101

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## ANNOUNCEMENT

*Nominations are solicited for the second annual*

### MARCH OF DIMES PRIZE IN DEVELOPMENTAL BIOLOGY.

This prize, consisting of a medal and \$100,000, will be awarded to an investigator who has made a seminal discovery in biology, one that has revealed a new principle of relevance to birth defects, and who has not previously received a major prize for this work.

**The 1996 recipients were Drs. Beatrice Mintz and Ralph L. Brinster for their respective studies that culminated in the development of transgenic mice.**

We request nominations of candidates for the 1997 award. Please make your recommendations before September 30, 1996 by letters, accompanied by the c.v.'s and bibliographies of those you are nominating, addressed to:

Michael Katz, M.D., Vice President for Research, March of Dimes Birth Defects Foundation, 1275 Mamaroneck Avenue, White Plains, NY 10605.

### Postdoctoral Positions in Biochemistry/Molecular Biology

The University of Michigan, Department of Dermatology, is seeking highly motivated, creative scientists to fill postdoctoral positions. Preference will be given to candidates who can join us prior to July 31, 1996. Applicants should possess a Ph.D. with expertise in biochemistry and/or molecular biology, with demonstrated research excellence, and strong written and oral communication skills.

Positions are available immediately to investigate molecular mechanisms through which ultraviolet irradiation activates protein kinases and transcription factors, which lead to induction of metalloproteinases and extracellular matrix degradation in human skin. Mechanisms through which steroid and retinoid nuclear receptors antagonize responses of human skin to ultraviolet irradiation will also be investigated (see Fisher et al., *Nature*, 379:335-339, 1996; and *Nature*, 379: News and Views, 1996).

The Dermatology Research laboratories will be relocating to newly renovated, modern laboratories in the fall of 1996. Positions offer competitive salaries, long-term stable funding, and excellent opportunities for career development/advancement.

Send curriculum vitae to: **Dr. Gary J. Fisher, Department of Dermatology, University of Michigan, 1301 E. Catherine, Kresge I, R6558, Ann Arbor, Michigan 48109-0528. FAX: (313) 747-0076, EMAIL: cmhill@umich.edu.**

*The University of Michigan is an affirmative action and equal opportunity educator and employer.*

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## **SCIENCE**



## POSTDOCTORAL POSITION IN EXPERIMENTAL ONCOLOGY

Applications are invited for an NIH-funded position to study the role of specific chromosomal translocations in the etiology of pediatric solid tumors. Current investigations focus on the role of the PAX3/FKHR chimeric transcription factor in alveolar rhabdomyosarcoma (Oncogene 11:545, 1995; JBC 270:11719, 1995). Specific projects include defining the mechanisms responsible for cellular transformation by PAX3/FKHR, identification and characterization of specific downstream targets regulated by the fusion protein, and understanding its relationship to defective myogenesis and cell cycle regulation. Individuals are needed to work on all aspects of these projects involving biochemical, molecular, cellular, and molecular genetic analyses. Support facilities at this institution are exceptional, and the research environment is highly interactive, both within the Research Hospital and at the nearby UT Medical School. Qualified candidates should possess either a Ph.D. and/or M.D. in a relevant field. Please forward your CV and the names, addresses, and phone numbers of three references to:

David N. Shapiro, M.D.  
Department of Experimental Oncology  
St. Jude Children's Research Hospital  
332 North Lauderdale  
Memphis, TN 38105  
e-mail: dave.shapiro@stjude.org

Women and minorities are especially encouraged to apply. SJCRH is an affirmative action/equal opportunity employer.

## SENIOR LEADERSHIP FOR METEOROLOGY

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  - Executive direction and technical leadership in the development of strategic plans associated with R&D programs developing all scientific and technical elements of atmospheric forecasting systems, and assessing atmospheric effects on Naval systems
  - Principal consultant to the Navy and to other agencies and nations on developing applications for the R&D programs under his/her cognizance.
  - Applicants should be recognized as national/international authorities and should have planned and executed difficult programs of national significance or specialized programs that show outstanding attainments in their field of research.
- Resumes, SF-171s (Application for Federal Employment) or OF-612s (Optional Application for Federal Employment) must be postmarked by 28 June 1996. Apply to:

HRO (Attn: 96-01)  
Naval Research Laboratory  
4555 Overlook Avenue, SW  
Washington, DC 20375-5320

NOTE: The Mandatory Executive Core and Technical Qualifications must be discussed in detail in order to receive full consideration for the position.

- ◆ Please contact: Cathy Hamilton on (202) 767-3031 for application details.
- Navy is an Equal Opportunity Employer  
(Women and Minorities are encouraged to apply)*

## Special Advertising Supplement Career Opportunities for Scientists with Disabilities

Issue date: 14 June 1996 • Advertising space reservation deadline: 21 May

On 14 June, SCIENCE will publish a special advertising section devoted to career opportunities for scientists with disabilities. This section will examine the steps being taken by employers to make their work environments accessible to all scientists.

### Bonus Distribution

This issue will be distributed to the AAAS Resource Group of Scientists and Engineers with Disabilities.

### Benefits to Full Page Advertisers:

#### • Special Positioning

Full page recruitment advertisements will receive placement throughout the career-related special advertising section.

#### • Advertiser Indexes

An index of full page recruitment advertisements referring readers to your ad in the special section will be published in this issue. Names of full page recruitment advertisers will also be listed on an index affixed to the covers of magazines mailed to the AAAS Resource Group of Scientists and Engineers with Disabilities.

#### • The Internet

The advertising supplement will also be published on SCIENCE Classified Advertising On-line. An on-line advertiser index will link directly to your full page ad, and we will link your on-line ad to a listing of your career opportunities or your home page for no additional charge.

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# SCIENCE



# 1996 EUROPEAN BONUS DISTRIBUTION

*Recruitment Advertisers: Mark your calendars!*


Issue Date	Bonus Distribution
8 March	German Society for Cell Biology, 24-28 March, Hamburg, Germany
	Human Genome Meeting, 22-24 March, Heidelberg, Germany
15 March	Society for Experimental Biology, 24-29 March, Lancaster, UK
	Brain Research Association, 25-27 March, Newcastle, UK
	Society for General Microbiology, 26-29 March, Warwick, UK
	British Societies for Cell Biology & Developmental Biology, 27-30 March, York, UK
	USGEB (Union Schweizerischer Gesellschaften für Experimentelle Biologie), 27-29 March, Zurich, Switzerland
29 March	European Society of Human Genetics, 11-13 April, London, England
5 April	Biochemical Society, 16-19 April, Liverpool, UK
12 April	Analytica, 23-26 April, Munich, Germany
	Physics World, 23-25 April, Telford, UK
24 May	European Neurological Society, 8-12 June, The Hague, The Netherlands
31 May	33rd European Renal Association, 17-20 June, Amsterdam, The Netherlands
14 June	European Society of Human Reproduction & Embryology, 30 June - 3 July, Maastricht, The Netherlands
21 June	FEBS (Federation of European Biochemical Societies), 7-12 July, Barcelona, Spain
28 June	IUBMB (International Union of Biochemistry & Molecular Biology), 14-16 July, Edinburgh, Scotland
5 July	Space Science Research 14-19 July, Birmingham, UK

Issue Date	Bonus Distribution
16 August	11th European Congress on Microscopy 26-30 August, Dublin, Ireland
23 August	RSC 24th Symposium of European Peptide Society, 8-13 September, Edinburgh, Scotland
30 August	British Association Festival of Science, 9-13 September, Birmingham, UK
	36th Annual Meeting European Society of Pediatric Endocrinology, 15-18 September, Montpellier, France
6 September	40th Congress of German Society of Psychology, 22-26 September, Munich, Germany
	19th Annual Meeting European Neuroscience Association, 23-27 September, Strasbourg, France
13 September	12th European Congress on Multiple Sclerosis, 26-28 September, Copenhagen, Denmark
27 September	Science in Action (Lab Expo), 8-11 October, London, UK
1 November	ILMAC (International Exhibition for Chemical Technology & Biotechnology), 12-15 November, Basel, Switzerland
8 November	MEDICA '96, 20-23 November, Dusseldorf, Germany
29 November	Biochemical Society & British Society for Immunology, 11-13 December, Harrogate, UK
6 December	British Ecological Society, 16-19 December, Durham, UK
	British Pharmacological Society, 17-20 December, Brighton, UK

*Schedule may be subject to change.*

## SCIENCE

# FLOW CYTOMETRIST

 Astra is a pharmaceutical company in a phase of rapid growth. The company's operations, which are highly international, consist in research, production and marketing of pharmaceuticals through subsidiaries, agents and licensees all over the world. The number of employees is about 17 000 of whom 6 000 in Sweden. Sales in 1995 amounted to SEK 35,8 bn (USD 5.4 bn).

## ASTRA ARCUS AB

Astra Arcus, a research company in the Astra Group, is engaged in R & D in primarily two areas – CNS and Infection. Astra Arcus employs some 450 people and the company is located in Södertälje, Sweden, 35 kilometres south of Stockholm.

Astra Arcus AB is currently seeking a full time Flow Cytometrist to the Department of Immunobiology. The candidate will work together with a team focused on immunology / neuroimmunology, to develop drugs for disorders in the central nervous system. The candidate will supervise daily functions and maintenance of FACSort and FACSVantage, train personnel in the use and care of the equipment, plan and run experiment.

We are looking for a candidate with a minimum 3-5 years experience of Flow Cytometry, with at least a B.Sc. in Lifesciences, Engineering, or equivalent experience. Expertise knowledge of sterile sorting for cloning and multi laser and multi color techniques is a prerequisite. It is expected that the applicant has experience of various stainings including apoptotic measurements, handling of human and non human cells, as well as data analysis. The candidate should have experience in solving technical problems and good interpersonal skills. Good knowledge in English is essential.

For further information please contact Inger Axberg, phone +46-8-55 32 91 20, Mats Ferm, phone +46-8-55 32 86 87, or Kristian Sandberg, phone +46-8-55 32 96 04.

Send your application to Astra Arcus AB, Human Resources, Knut Natt och Dag, S -151 85 Södertälje, Sweden not later than May 31, 1996.



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## University of Zürich

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The position is comparable to an Assistant Professorship with a competitive salary. Applicants must possess a Ph.D., and should have some postdoctoral experience and a strong experimental and quantitative background. The successful candidate is expected to participate in ongoing research and teaching programs and to develop his/her own program with independent research funding and supervision of graduate students.

The position is available from 1 October 1996 for a period of three years and is potentially renewable to a maximum of six years in three steps of one year each. If you are interested, please send me your application with curriculum vitae, list of publications, summary of research goals and three letters of reference.

Prof. Dr. Heinz-Ulrich Reyer, Zoologisches Institute  
der Universität Zürich

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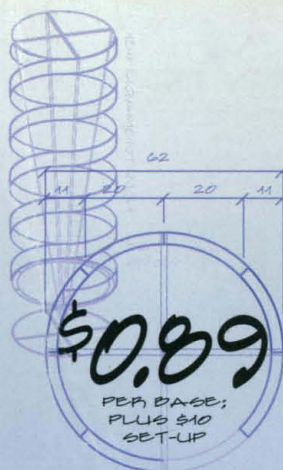
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