

The National Hospital, Oslo Director, Cardiovascular Research

The MSD-Cardiovascular Research Center (M-CVRC) at the National Hospital in Oslo, Norway is a newly established research center funded by MSD, Norway. The center will be committed to basic research in areas that will lead to a greater understanding of cardiovascular function, dysfunction and treatment. The scientific program will have a strong emphasis on cellular and molecular cardiology. The M-CVRC will initially be funded for a period of 3 years with a total of approx. USD 2 million. If successful, the center can be funded for new 3 year periods. The M-CVRC will be administered by Medinnova SF, a government owned licensing and technology transfer company connected to The National Hospital.

The research center will be an integrated part of The National Hospital in Oslo, one of the leading university hospitals in Scandinavia. It has strong research positions in fields like transplantation, immunology and basic and clinical cardiovascular research. The National Hospital will move into completely new facilities close to the university campus on the beautiful outskirts of Oslo in 1998.

The responsibility of the Director will be to establish and maintain the M-CVRC as a center of excellence in the area of basic cardiovascular research. Collaboration with existing groups at The National Hospital as well as university departments will be an important part of the activity. To succeed candidates must hold a doctoral degree in cardiovascular research or in other relevant areas. The ideal candidate, a Ph.D., or preferably an MD, with professor competence, should have a distinguished professional reputation in the academic literature and have a proven ability to lead, supervise and motivate coworkers. International research experience would be an advantage, and the incumbent should preferentially relate to Norwegian or Scandinavian research environment.

The salary will be in the range of NOK 500 000 per year (USD 80,000). Medinnova will assist with housing/accommodation during the first 6 months of employment. Questions about the position should be directed to Professor Otto Smiseth, The National Hospital, phone (47) 22 86 85 22.

Applicants should within **February 29, 1996** submit a letter of application describing their main research interests and the main impact/contribution of their research during the last 5 years; a curriculum vitae including list of publications, two letters of recommendation and three names and addresses of additional references to **Medinnova SF, The National Hospital, N-0027 Oslo, Norway**.

République Française

The French State and the Paris/Ile-de-France Region

are issuing a call for proposals
for three

international research Chairs to be called "Blaise PASCAL"

Each Chair, for 12 months full time distributed over 2 years, is intended for a foreign scientist of high level in exact, natural, or social science, with a scientific project. It will allow the beneficiary to enjoy cultural and scientific support, equipment, and functional means, in one or several centers for superior education or research, in Paris/Ile-de-France.

- The total financial amount allocated to each project (including salaries) reaches 1,3 MF (around US\$ 260,000.00 social security contributions, taxes and subsistence allowance spending to be deducted*)
- The beneficiaries will have to teach about 10 lectures. A public seminar will conclude the project.
- Proposals should describe the scientific project, detailing its needs, and should indicate the accommodating establishment.
- A multi-disciplinary jury, associated with Institut de France, will select the candidates, according to the scientific interest of the project and the quality of the project file.

Proposals should be sent, at the latest on 15th of March 1996, to the following address:

**Fondation de l'Ecole Normale Supérieure
Chaires Internationales de Recherche
"Blaise PASCAL"
45 rue d'Ulm, F-75230 PARIS Cedex 05**

(Information: W. Mercouroff, ENS,
(33-1) 44 32 31 85, Fax (33-1) 44 32 31 83)
e-mail: wladimir.mercouroff@ens.fr

*For information, the current VAT rate is 20.6%; social security contributions on salaries are about 80% of the net salary.

VACCINE RESEARCH

SmithKline Beecham Biologicals, a subsidiary of the SmithKline Beecham Group, is one of the world's largest vaccine producers, both in terms of sales and volume. SmithKline Beecham Biologicals marketed the first recombinant vaccine for human use (Engerix B) and more recently the world's first vaccine against Hepatitis A and is launching a range of new combined paediatric vaccines.

Our research and development projects are managed within multidisciplinary teams at our worldwide headquarters located in pleasant surroundings south of Brussels - Belgium. Working languages are French and English.

Expansion of state-of-the-art facilities for all disciplines is ongoing, allowing an integrated approach to research, development and manufacturing which, we believe, is unique in the industry.

Building on our current momentum, we are expanding our Research and Development organisation and have immediate openings for several positions (m/f).

All positions carry a competitive salary/incentive package and comprehensive benefits.

If you are interested in joining our team in one of these positions, please send your application, curriculum vitae, quoting the relevant reference, to: SmithKline Beecham Biologicals, Human Resources Department, rue de l'Institut 89, B-1330 Rixensart, Belgium. E-mail: vancraye@sbbio.be (Muriel Vancrayelynghe)

SCIENTIST - BACTERIAL MOLECULAR BIOLOGIST (Ref. 1713) (Department of Molecular Biology)

Candidates will hold a doctoral degree in the field of **Molecular Biology of bacterial pathogenesis**, with 3 to 5 years post-doctoral experience in related fields.

He/she will have a strong interest in the development and use of state-of-the-art techniques in genetic engineering as they apply to the development of new vaccines against bacterial pathogens and a good background in general immunology will be a definite asset.

His/her participation and input in multidisciplinary teams will be required. The successful candidate will be able to integrate his/her own work into the objectives of the team and this element will be of crucial importance in the successful performance of this function.

SCIENTIST - NUCLEIC ACIDS-BASED TECHNOLOGIES (Ref. 1714) (Department of Molecular Biology)

Candidates should be Molecular Biologists holding a doctoral degree and having 2 to 4 years postdoctoral experience in fields of research requiring the extensive application of the most modern nucleic acids based technologies.

Candidates should have proven theoretical and practical expertise in the use and development of such techniques as RT-PCR, Q-PCR, in vitro and in situ nucleic acids identification and quantification assays.

The ability to understand and anticipate the potential applications of these new technologies in Research & Development activities associated with the discovery of new vaccines, is an indispensable requirement for this position.

A strong desire to innovate and implement new technological advances and an ability to coach others in her/his fields of expertise will be an integral part of this scientist's function.

SCIENTIST (Ref. 1730) (Department of Macromolecular Chemistry of Analytical Sciences)

Candidates should hold a doctoral degree in Chemistry/Biochemistry and have experience in Proteins and Carbohydrates chemistry.

Candidates will be familiar with Chemical, Biochemical and Biophysical characterisation of antigens and other vaccines components (proteins, lipoproteins, glycoproteins and polysaccharides conjugates). They will be involved in the setting up of assays for detergents and other components used during the extraction and purification process of antigens. Experience in the following techniques is essential: HPLC, GC, CE and mass spectrometry.

Excellent communication skills will be expected as well as a very good command of French and English.



SmithKline Beecham
Pharmaceuticals

UNIVERSAL COMMUNICATION

Tenure track positions

The Netherlands Cancer Institute Amsterdam Cancer Research Program

The Netherlands Cancer Institute is seeking candidates for a tenure track position at a level comparable with Assistant Professor to undertake research in one of the following areas:

- Cancer Genetics
- Immunology
- Cell Biology
- Experimental Therapy
- Clinical Research
- Other areas relevant for Cancer Research.

The successful candidates will have demonstrated outstanding potential for a research career. The Netherlands Cancer Institute offers an interactive research environment, with research groups working in the areas of Molecular Biology, Immunology, Cell Biology, Molecular Genetics, Developmental Biology, Experimental Therapy, Mouse Genetics, Raibiology, Epidemiology and Clinical Research.

At least two years of postdoctoral experience are required. Clinical researchers should have a MD or MD PhD. Clinical research candidates are expected to combine clinical work with laboratory research. The Institute provides the salary for the candidate, a technical assistant, support for equipment, a bench fee and utilization of central facilities (mouse, FACS etc.). The candidate is expected to build a group of 5-6 through external funds.

Please submit your curriculum vitae, a research statement including present and future research activities, the names of three references before february 15th. to the Search Committee, c/o Anton Berns, Laboratory Research Coordinator, Division of Molecular Genetics, The Netherlands Cancer Institute, Plesmanlaan 121, 1066 CX Amsterdam, The Netherlands. Phone +31 205121991; Fax +31 205122011; e-mail: tberns@nki.nl



Postdoctoral Fellowship in Molecular Genetics of Nevroid Basal Cell Carcinoma Syndrome (NBCCS)

Department of Biosciences at Novum is a new and well equipped unit within the Karolinska Institute located at Huddinge University Hospital in Stockholm.

A postdoctoral fellowship is available to work on isolation and characterization of cDNA candidate clones for a new tumor suppressor gene (NBCCS, chr.9q) of critical importance for development of human basal cell carcinoma as well as playing an important role during development. The project is part of an international collaboration. Techniques include Island Rescue PCR and cDNA-selection and the work will involve both isolation of new candidate genes and characterization already isolated.

Preference is given to applicants with experience in molecular genetics and molecular biology. The fellowship is initially for 2 years.

Application including curriculum vitae, relevant publications and letters of recommendation should be sent, not later than February 28, to Professor Rune Toftgård, Karolinska Institutet, Department of Biosciences at Novum, S-141 57 Huddinge, Sweden. Telephone: +46-8-608 91 52, FAX: +46-8-608 15 01, E-mail: Rune.Toftgard@cnt.ki.se

MRC

MEDICAL RESEARCH COUNCIL

LABORATORY OF MOLECULAR BIOLOGY
CAMBRIDGE

Division of Protein and Nucleic Acid Chemistry

BIOLOGICAL CHEMISTRY/MOLECULAR TECHNOLOGIES

Applications are invited for TWO staff positions as follows:

1. **Postdoctoral Chemist:** to work on the chemical synthesis of peptide-oligonucleotide conjugates for novel biological applications. The post is available for 2 years in the first instance with the possibility of extension. Previous experience in peptide or oligonucleotide synthesis would be advantageous. The post is available immediately and the salary will be on the MRC Non-clinical Scientist range £16,628-£26,430 per annum. For further details contact Dr. Michael Gait (tel: +1223 248011). Applications should include two full CVs and the names, addresses and telephone numbers of 3 professional referees should be sent by March 1, 1996 quoting reference PNAC/MIG/96.

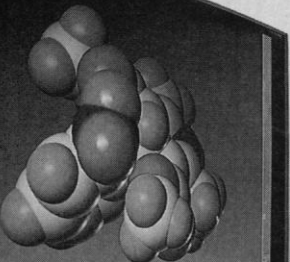
2. **Independent Staff Scientist:** to develop new technologies relevant to molecular biology. The applicant's work would be expected to complement or reinforce that of existing staff in the Division which includes for example oligonucleotide and peptide chemistry, genome mapping, antibody engineering and phage display. The post is available for 3 years in the first instance with the possibility of transfer to a MRC career track position. Salary will be in the MRC Non-clinical Scientist range £16,628-£26,430 per annum. For further information contact Dr. Greg Winter by email at gw@mrc-lmb.cam.ac.uk Applications should include a brief research proposal, two full CVs and the names, addresses and telephone number of 3 referees and should be sent by March 1 1996 quoting reference PNAC/GW/96.

Applications should be sent to: Sheila Jenkins, Personnel Officer, MRC Centre, Hills Road, Cambridge, CB2 2QH.

The Medical Research Council is an Equal Opportunities Employer.

君が世界を動かすかもしれない。

世界研究三極体制の日本の拠点、Research Center Kyoto (RCK) は、現在2000年に向けて研究者の増員計画を続行中。アレルギーと免疫分野の研究体制の充実を図っている。RCKで生まれた独創的な研究成果を世界へ発信するのは遠い日のことではない。



====急====募====

Molecular Modeling 新卒研究スタッフ

コンピューターによる薬物デザイン
Ph.D又は同等の知識経験のある方
30~35才位 日・英語必須

【応募】履歴書・研究概要・論文リストを日本語と英語で作成し【問合せ先】宛送付下さい。
【選考】1次/書類選考 2次/面接

下記関連分野の専攻で'96以降卒業予定の方
修士以上歓迎 日・英語必須 1次合格者に
セミナー随時案内(東京・大阪で開催)

研究員募集中

【分野】アレルギー、自己免疫疾患、薬物動態、及び有機合成化学分野【勤務地】関西学研都市近鉄奈良駅より車10分 入社日応談、日本語・英語必須、詳細は下記までお問い合わせ下さい。
【問合せ先】大阪市淀川区宮原3-5-36 新大阪第2森ビル
バイエル薬品(株)リクルーティング部 532
TEL06(398)1145 担当/野本三利子様へ
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MAX-PLANCK-INSTITUT
FÜR MEDIZINISCHE FORSCHUNG
JAHNSTRASSE 29, 69120 HEIDELBERG

Max-Planck-Institute for Medical Research, Heidelberg

Applications are invited for a Group Leader Position (Nachwuchsgruppen) in structural molecular biology. Candidates should have research accomplishments and international standing in the application of protein crystallography or cryo-electron microscopy to macromolecular structures. Priority will be given to candidates working within an area of research related to membrane proteins, in particular, ion channels. Collaboration with other groups in the Institute would be encouraged.

The Institute consists of four departments: Biophysics, Cell Physiology, Molecular Cell Research and Molecular Biology. The present focus is on the structural basis of synaptic strengthening, structure and function of muscle, and the mechanisms of exocytosis.

Technical support will be provided by the department of biophysics, which offers data-collection facilities for x-ray diffraction and the shared use of a Philips 410 and a Zeiss 412 with energy filter, both equipped for cryo-electron microscopy. Access to higher voltage instruments is planned. Central in-house support (oligo-nucleotide synthesis, stores, workshops etc.) are available.

Remuneration will be at level C3 on the German civil service scale. Contracts are strictly limited to 5 years. Each group leader will have one scientific assistant (BAT IIa). Post-doc, student, technical positions and secretarial help will also be available.

Please send a detailed curriculum vitae and the names of four possible referees to the acting chairman, Prof. Dr. Wolf Almers, at the address given below. Applications should be received before 1st March 1996.

Prof. Dr. Wolf Almers
Max-Planck-Institut für Medizinische Forschung
Postfach 10 38 20
69028 Heidelberg
GERMANY

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For meeting, conference and symposium display advertisements, turn to pages 717 and 724.

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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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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 AVIAN BIOLOGY

Applications are invited for an available tenure-track faculty position as an **ASSISTANT PROFESSOR** with joint appointments in the Departments of Poultry Science and Veterinary Pathobiology at Texas A&M University. The appointment will have a 67% research/33% teaching commitment. Applicants should have a Ph.D. and a strong record of research accomplishments working with poultry. Candidates also possessing the D.V.M. degree are encouraged. Postdoctoral experience is preferred. The successful applicant will be expected to develop a highly competitive research program and contribute to teaching commitments of the Department of Poultry Science at both undergraduate and graduate levels. Candidates will be expected to develop an independent extramurally funded research program that focuses on an area of basic avian biology, with potential areas of emphasis to include reproduction, embryology, molecular genetics, or immunology. However, excellent candidates in all areas of poultry biology or pathobiology will be given serious consideration. A state-of-the-art poultry science research and teaching center and excellently equipped laboratory space are available. Applicants should submit a curriculum vitae, the names, addresses, and telephone numbers of four references, and a brief statement of research interests and teaching experience to: **Dr. Alan Sams, Chair, Faculty Search Committee, Department of Poultry Science, Texas A&M University, College Station, TX 77843-2472.** Review of applications will begin April 1, 1996, and continue until a successful candidate is identified. *Texas A&M University is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT/ASSOCIATE PROFESSOR WELLMAN LABORATORIES OF PHOTOMEDICINE

The Wellman Laboratories at the Massachusetts General Hospital, Harvard Medical School invites applications from candidates in all areas of science including molecular biology, cell and developmental biology, physics, and chemistry, who are interested in the effects of UV, visible and infrared radiation on biological systems, and the use of light to study biological systems. The Laboratories are a multidisciplinary group, including physicists, chemists, biologists, engineers, and clinician-scientists; current areas of interest include drug photosensitization mechanisms, photodynamic therapy, DNA photochemistry, laser-induced stress transients and cavitation, ablation, photoaging, *in vivo* confocal microscopy, and clinical applications of light and lasers. The candidate should have an excellent publication record and the ability for independent research and competitive funding. Please forward a letter, curriculum vitae, a brief statement of research interests, and the names of three references to: **John A. Parrish, M.D., Wellman Laboratories of Photomedicine, WEL 224, Massachusetts General Hospital, 55 Fruit Street, Boston, MA 02114.**

The Massachusetts General Hospital and Harvard Medical School are Equal Opportunity Employers. Women, minorities, and handicapped veterans are encouraged to apply. We are especially interested in receiving applications from underrepresented minorities.

ASSISTANT PROFESSOR NEUROPATHOLOGY AT YALE

The Section of Neuropathology invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level to begin July 1, 1996. Preference will be given to board-eligible or board-certified neuropathologists with an equally strong commitment to experimental research and service. The section has active clinical and training programs, excellent research resources, and links to major neuroscience and basic research faculty at Yale. Our major research programs emphasize neurodegenerative and slow virus diseases, and can substantially benefit interested investigators. However, we also welcome applications from others who can independently support different research initiatives. A strong background in cell or molecular pathology, or experimental models of CNS disease is desirable. Send letter, curriculum vitae, and three letters of reference to: **Dr. Laura Manuelidis, Head, Section of Neuropathology, Yale University School of Medicine, P.O. Box 208062, New Haven, CT 06520-8062. FAX: 203-785-6381.** Final application deadline for a July 1, 1996 appointment is March 31, 1996. *Yale University is an Equal Opportunity Employer.*

POSITIONS OPEN

ST. CLOUD STATE UNIVERSITY Medical Microbiologist-Immunologist

St. Cloud State University (SCSU) invites applications for a tenure-track, **ASSISTANT PROFESSOR** as a Medical Microbiologist-Immunologist in the Department of Biological Sciences to begin September 1996. Ph.D. with postdoctoral experience in biological science or other related fields required. Post-secondary teaching experience preferred. The successful candidate will teach courses in microbiology, medical microbiology, biological instrumentation, and biology core courses. In addition to teaching, the successful candidate is expected to establish a research program in a specialized area of biology for undergraduates and Master's students. Student advising and other university-related services expected. A professional development program including research is required for tenure and promotion. To apply, submit letter of application, curriculum vitae, transcripts (copies acceptable for initial screening), and three current letters of professional recommendation by March 11, 1996. Materials received after the deadline date are not guaranteed consideration. Submit application materials to: **Search Committee Chairperson, Medical Microbiologist-Immunologist, Department of Biological Sciences, SCSU, MS 262, 720 Fourth Avenue South, St. Cloud, MN 56301-4498.** *SCSU is committed to a policy of nondiscrimination in employment and education opportunities. We recognize that the future of our nation and its higher education system depends on our abilities to educate a diverse student body and welcome applications from people of protected classes.*

EXPERIMENTAL PATHOLOGIST

The Department of Pathobiology at the University of Florida College of Veterinary Medicine has a tenure-track position for an experimental pathologist at the rank of **ASSOCIATE/ASSISTANT PROFESSOR**. Applicants should have D.V.M. and Ph.D. degrees or equivalents and a record of accomplishment in research. Responsibilities will include development of a competitive research program, teaching general pathology to veterinary students, and graduate instruction. ACVP board certification is desirable, but not required. The Department has excellent research facilities within a dynamic Health Science Center complex and strong, extramurally funded research programs in molecular parasitology, viral and mycoplasmal disease pathogenesis, vaccine development, and wildlife diseases. Applicants should submit a letter outlining professional goals, a curriculum vitae, and a list of three professional referees to: **Dr. William L. Castleman, Chairman, Department of Pathobiology, College of Veterinary Medicine, P.O. Box 110880, University of Florida, Gainesville, FL 32611-0880.** Department World Wide Web Page: <http://www.vetmed.ufl.edu/path/path.htm>. Review of applications will begin after March 15, 1996 and will continue until the position is filled. The position will start as early as July 1, 1996.

The University of Florida is an Equal Opportunity/Affirmative Action Institution.

A position in theoretical chemistry at the University of Houston is open for applicants at the **JUNIOR FACULTY** level. The position is tenure-track in a department with several active faculty in theoretical chemistry. Postdoctoral experience is required and applicants will be expected to have strong potential in research and a commitment to education at all levels. Exceptional applicants for a tenured position with an established reputation may be considered. Preference will be given to applicants whose field complements current strengths in theoretical chemistry at this department. Please send a curriculum vitae, research plans, and three letters of recommendation by March 1, 1996 to: **Prof. B. M. Pettitt, Department of Chemistry, University of Houston, Houston, TX 77204-5641.** *The University of Houston is an Equal Opportunity Employer. Women, minorities and veterans are encouraged to apply.*

ECOLOGIST

The Mitrani Center for Desert Ecology, Ben-Gurion University of the Negev, Israel, seeks an ecologist with postdoctoral experience for a **TENURE-TRACK** position starting October 1996. Candidates' research interests may be at any level of ecological organization. Send curriculum vitae and short summary of research and teaching interests, and have four reference letters sent, to: **Prof. Berry Pinshow, Blaustein Institute for Desert Research, Sede Boqer Campus, 84990 Israel.** Deadline 15 April 1996. Decision 1 August 1996.

**Department of Pharmacology
University of Minnesota Medical School
TENURE/TRACK POSITIONS
(Assistant Professor, Associate Professor and Professor)**

Applications are invited for **TENURE/TRACK FACULTY POSITIONS** in the Department of Pharmacology, University of Minnesota Medical School. Successful candidates are expected to establish an outstanding, independent research program, in addition to participating in team-taught undergraduate/graduate medical courses in the area of molecular pharmacology. Requirements for **Assistant Professor** positions include a Ph.D. in Pharmacology or other basic medical sciences or an M.D., and at least 2 years of postdoctoral research experience. Candidates with a strong research background and experience in using state-of-the-art approaches involving cellular, molecular, genetic or biophysical techniques to study problems relevant to pharmacological sciences are preferred. Applicants must have demonstrated involvement in research and published in leading peer reviewed journals.

Appointments as **Associate Professor (Tenured)** or **Professor (Tenured)** will be considered for applicants with professional distinction in published research, teaching and evidence of consistently attracting extramural funding for research. Appointments at these ranks must meet the minimum qualifications established by the University of Minnesota.

Applicants should indicate the rank they are applying for and send a copy of their curriculum vitae, reprints of important publications, a statement of research plans and names of three references to: **Dr. S. Ramakrishnan, Chairperson of Search Committee, Department of Pharmacology, 3-249 Millard Hall, University of Minnesota, 435 Delaware Street, S.E., Minneapolis, MN 55455. Deadline for receipt of applications is March 31, 1996. University of Minnesota is an equal opportunity educator/ employer and offers an excellent academic research environment.**

For further information about the Department of Pharmacology and its programs, access the Department's home page (<http://brain.med.umn.edu/index.html>) on the Web.

**UNIVERSITY OF SOUTH FLORIDA
COLLEGE OF MEDICINE AND
H. LEE MOFFITT CANCER CENTER
AND RESEARCH INSTITUTE**

**PROGRAM IN
OVARIAN EPITHELIAL
CANCER PATHOBIOLOGY**

The Department of Pathology and Laboratory Medicine and the H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida College of Medicine seek three (3) well-qualified Ph.D. applicants for positions at the Assistant/Associate/Professor level with research interests in the area of Ovarian Epithelial Cancer Pathobiology. Appointment at the Assistant Professor level requires the applicant to have two years experience and be board eligible or certified in an appropriate area of specialization. Academic rank beyond that of Assistant Professor will be commensurate with qualifications and experience. These positions may be tenure-earning.

As part of expansion of basic research, the Department is recruiting outstanding candidates who have completed three-to-five years of relevant postdoctoral research and are able to develop independent research in the following areas: a) cell-to-cell and cell-extracellular matrix interaction during benign and malignant morphogenesis; b) genetic and molecular alterations in cancer initiation and progression; c) in vivo, including transgenic/knock-out, and in vitro models of carcinogenesis as these areas relate to ovarian epithelial cancer pathobiology. Experience with cell cycle and morphogenesis regulators, ovarian-specific gene regulation and molecular and cell biology is desired.

Candidates are expected to participate in the graduate and postdoctoral teaching activities of the Department. Research space and support packages for a period of up to three years are available for recruited candidates. Applicants should send their curriculum vitae, a statement of their research interest and the names of three references to: **Santo V. Nicosia, M.D., Professor and Chairman, Department of Pathology and Laboratory Medicine or Warren J. Pledger, Ph.D., Associate Center Director for Basic Research, H. Lee Moffitt Cancer Center and Research Institute, Office of Faculty Recruitment, 12902 Magnolia Drive, Tampa, FL 33612-9497. Applications must be postmarked by deadline date of March 7, 1996.**



The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Employer. For disability accommodations please contact Jody Swanson at (813) 975-7894, a minimum of working day in advance. TDD#813-974-2218



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Nancy Blankenstein
Pittsburgh Supercomputing Center
4400 Fifth Avenue, Suite 230C
Pittsburgh, PA 15213
biomed@psc.edu or 412-268-4960

Biomedical Supercomputing



Initiative

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR

Yale University, Department of Surgery, Section of Surgical Gastroenterology, is seeking a full-time **FACULTY MEMBER** to supervise clinical research studies in the area of gastrointestinal, metabolic, and endocrine diseases and their treatment. Successful candidates will have demonstrated accomplishments in the design and conduct of clinical research studies on the pathophysiology and/or treatment of diseases such as peptic ulcer disease, diabetes, pancreatitis, and/or obesity, and will also demonstrate documented expertise in the cellular and organ actions of peptides, amines, and related compounds. Expertise with clinical use of radioisotopes and techniques of measurement of body composition, and in the use of invasive investigational procedures such as muscle and fat biopsies, is required. Demonstrated success in obtaining federal and non-federal research support for these activities is a prerequisite, as is the demonstrated ability to work collaboratively with basic and clinical investigators in the conduct of these studies. In addition, applicants should have demonstrated knowledge and experience in the use and management of Clinical Research Center facilities, and supervisory experience of clinical research staff (nurses, technicians, etc.) is desirable. Applicants with M.D. or Ph.D. backgrounds will be considered and a curriculum vitae should be sent to: **Dana K. Andersen, M.D., Chief, Section of Surgical Gastroenterology, Yale University School of Medicine, P.O. Box 208062, New Haven, CT 06520-8062.** Selection will begin February 1996. *Yale University School of Medicine is an Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.*

FACULTY POSITIONS CELL BIOLOGY OREGON STATE UNIVERSITY

The Center for Gene Research and Biotechnology at Oregon State University (OSU) invites applications for two tenure-track faculty positions at the level of **ASSISTANT PROFESSOR**. Successful applicants will have a Ph.D., M.D. or D.V.M. degree (animal cell), or Ph.D. (plant cell); significant postdoctoral research experience; and demonstrated expertise in using molecular, genetic, and cellular research approaches in the field of cell biology. Special consideration given for expertise in cell biology of vertebrate organisms or plant systems. The candidates will be expected to establish independent externally funded research programs and to teach in the Molecular and Cellular Biology Graduate Program. Successful candidates will be housed in a suitable academic department of their choice and have access to the shared facilities and services of the Central Services Laboratory. OSU is a Land Grant, Space Grant, Sea Grant, and Carnegie I research institution. Send a curriculum vitae, statement of research interests, and have three reference letters sent by April 1, 1996 to: **Cell Biology Search Committees, Center for Gene Research and Biotechnology, Oregon State University, Corvallis, OR 97331. Telephone: 541-737-3347; FAX: 541-737-3045.** Applications may also be sent via Email: **animal-cell-search@bcc.orst.edu**, or **plant-cell-search@bcc.orst.edu**. *OSU is an Affirmative Action/Equal Opportunity Employer. OSU has a policy of being responsive to the needs of dual career couples.*

ASSISTANT/ASSOCIATE PROFESSOR BEHAVIORAL NEUROSCIENCE

Non-tenure-track opening in the Department of Behavioral Neuroscience, School of Medicine, Oregon Health Sciences University (OHSU). The appointee would join the faculty at OHSU and their affiliated faculty colleagues at the Portland VA Medical Center in offering Ph.D. and postdoctoral training in biopsychology and neuroscience supported by NIAAA and NIDA training grants and individual research grants. Candidates should have a Ph.D. degree, postdoctoral experience, and demonstrated ability to conduct independent research in an area complementary to ongoing research efforts in the department. The specific area of expertise is open. The position would require the appointee to eventually provide a portion of his or her own salary support. Candidates should send curriculum vitae, statement of research interests, and arrange to have three letters of recommendation sent to: **John Crabbe, Ph.D., c/o Judy Sprauer, Department of Behavioral Neuroscience L351, Oregon Health Sciences University, 3181 SW Sam Jackson Park Road, Portland, OR 97201-3098. Telephone: 503-494-3523.** *OHSU is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION ASSISTANT/ASSOCIATE PROFESSOR

Department of Biochemistry and Molecular Biology University of Kansas Medical Center

Candidates should have a Ph.D. or M.D./Ph.D. in biochemistry, molecular biology, or a closely related field. Qualified applicants with an M.D. degree will also be considered. Applicants with experience in gene regulation and/or protein-DNA interactions are being sought. The successful candidate will have made significant scientific contributions and will be expected to develop a well funded research program. Teaching will involve graduate and medical students. The department currently has 16 tenure-track faculty and 13 research-track faculty with research interests in two major areas: structural biochemistry and gene expression. The Medical Center is currently recruiting an endowed professor in Molecular Medicine and is developing strength in cancer research. For more information about our department, visit our home page at <http://www.kumc.edu/biochemistry/>. Send curriculum vitae and names of three references to: **Chair, Faculty Search Committee, Department of Biochemistry and Molecular Biology, 3901 Rainbow Boulevard, University of Kansas Medical Center, Kansas City, KS 66160-7421.** Review of applications will begin as soon as they are received and will continue until this position is filled. *The University of Kansas is an Equal Opportunity/Affirmative Action Employer.*

THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS Department of Molecular Genetics

The University of Texas Southwestern Medical Center at Dallas invites applications for a research **ASSISTANT PROFESSOR** skilled in natural products chemistry to join a scientific team studying mammalian gene regulation. Applicants should have skills in the fractionation, purification, and structural elucidation of biologically active natural product compounds. Technical abilities should include modern methods of chromatographic separation, mass spectrometry, and NMR spectroscopy. Competitive candidates will have completed graduate and postdoctoral training, and have published original research reports in top-tier scientific journals.

Applicants should submit a curriculum vitae and letters of reference to: **Steven L. McKnight, Ph.D., Professor of Molecular Genetics, The University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75235-9046.**

University of Texas Southwestern is an Equal Opportunity/Affirmative Action Employer.

PLANT POPULATION BIOLOGIST

Readvertisement and correction: **ASSISTANT PROFESSOR**, full-time (nine-month), tenure-track, pending position clearance and funding. Duties: develop research program on Hawaiian/alien species and teach undergraduate biology courses. Minimum qualifications: Ph.D. in botany or related field; demonstrated teaching and research skills. Minimum salary: \$34,644, negotiable based on qualifications and experience. Submit curriculum vitae, statements of teaching philosophy and research interests, reprints of up to three publications, and a list of three or more references including mail and Email addresses and telephone numbers to: **Chairperson, Department of Botany, 3190 Maile Way, University of Hawaii at Manoa, Honolulu, HI 96822.** Application deadline: February 29, 1996. Inquiries may be made to **botany@hawaii.edu** or **FAX: 808-956-3923.** *An Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are encouraged to apply.*

ACADEMIC OPHTHALMOLOGISTS INSTRUCTORS

The University of Nebraska College of Medicine, Department of Ophthalmology, is seeking one full-time academic ophthalmologist to serve as an **INSTRUCTOR** for the period July 1, 1996 through June 30, 1997. A retina specialist is desired. A strong commitment to resident and medical student teaching, as well as an interest in research, are essential. Requirements include completion of a satisfactory residency program and prior teaching experience. Send curriculum vitae to: **Michael E. Yablonski, M.D., Ph.D., Professor and Chairman, University of Nebraska Medical Center, 600 South 42nd Street, Omaha, NE 68198-5540.** *Equal Opportunity/Affirmative Action Employer. Minorities and women are encouraged to apply.*

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR BIOCHEMISTRY/MOLECULAR BIOLOGY

The Department of Biochemistry of the Medical College of Pennsylvania and Hahnemann University invites applications for tenure-track faculty positions at the rank of **ASSISTANT** or **ASSOCIATE PROFESSOR**. Expertise in molecular biology and a record of independent research are preferred. Areas of high priority include vascular biology and protein structure-function. Appointees will join an interactive group of faculty with research interests in the cellular and molecular biology of lipoproteins and atherosclerosis, lipid and cholesterol metabolism, and enzymology. Salaries and start-up packages are competitive. In addition to establishing and maintaining a competitive research program, successful candidates will be expected to participate in teaching medical and graduate biochemistry courses. Send a curriculum vitae, a brief description of research interests and plans, and the names, addresses, and telephone numbers of at least three references to: **Dr. Michael C. Phillips, Department of Biochemistry, Medical College of Pennsylvania and Hahnemann University, 2900 Queen Lane, Philadelphia, PA 19129.** Email: Phillips@medcolpa.edu.

ENDOWED FACULTY POSITION AT UCSF

The Department of Cellular and Molecular Pharmacology and the Department of Anesthesia at the University of California, San Francisco, seek an outstanding molecular/cellular biologist for a tenure-track position at an **ASSISTANT/ASSOCIATE PROFESSOR** level, which carries with it an endowment for partial research support. The position will be affiliated with the Biomedical Sciences Program and/or the Program in Biological Sciences graduate training consortia, and includes responsibilities to help provide basic research training for Anesthesia Fellows. To apply, submit curriculum vitae and three reference letters by February 29, 1996 to: **Dr. Jeanine Wiener-Kronish, Hamilton Professor Search Committee, Box 0624, University of California, San Francisco, CA 94143-0648.** *Women and members of other underrepresented groups are particularly encouraged to apply.*

NEURAL SCIENCE FACULTY POSITION NEW YORK UNIVERSITY

The Center for Neural Science of New York University (NYU) announces a new Mind/Brain Initiative, and invites applications for a tenured or tenure-track **FACULTY POSITION**, beginning September 1997, for an individual working on the biology of memory. Candidates must be able to demonstrate excellence and originality in experimental and/or theoretical research. The appointment may be made at any level. Candidates should send a curriculum vitae, a statement of current research interests, copies of recent relevant publications, and the names and addresses of three or more individuals willing to provide letters of reference to: **Prof. Joseph E. LeDoux, MBI Search, Center for Neural Science, New York University, 4 Washington Place, Room 809, New York, NY 10003-6621.** *NYU encourages applications from women and members of minority groups.*

BAYLOR COLLEGE OF MEDICINE PHYSICIAN RESEARCHER POSITIONS

Two positions are available at the **ASSISTANT PROFESSOR** level; higher rank will be considered based on qualifications. The primary criterion for selection will be potential for development of an outstanding independent research program. Board certification or eligibility in clinical genetics is strongly preferred, and the position will include participation in clinical and teaching activities. Please write to: **James R. Lupski, M.D., Ph.D., Chair, Physician Researcher Search Committee, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030. Telephone: 713-798-6530; FAX: 713-798-5073.**

ASSISTANT or ASSOCIATE PROFESSOR of Pharmacology, tenure-track position. Scientist with training in pharmacology and research interests that complement department research programs in cellular, molecular, and behavioral pharmacology. Send nominations/applications including curriculum vitae, a statement of research goals and teaching interest, and names of three references to: **Search Committee, Department of Pharmacology, University of North Texas Health Science Center at Fort Worth, 3500 Camp Bowie Boulevard, Fort Worth, TX 76107-2699.** *An Equal Opportunity/Affirmative Action Employer/Educator.*

The University of Michigan

DENTIST SCIENTIST

The Department of Oral Medicine, Pathology, and Surgery of The University of Michigan School of Dentistry invites applications for a tenure-track faculty position in the Division of Hospital Dentistry at the Assistant or Associate Professor level. The Department seeks individuals who have demonstrated excellence in research and a commitment to the care of the elderly and medically compromised patients. The Department is committed to developing a strong program in geriatrics, broadly defined, and in close affiliation with The University of Michigan Institute of Gerontology and Geriatrics Center. We are seeking outstanding individuals who are using cellular, molecular, or clinical approaches to examine basic mechanisms and disorders affecting the elderly. We are particularly interested in individuals with interests including, but not limited to, apoptosis, extracellular matrix, adhesion molecules, oral carcinogenesis, and wound repair. In addition, applicants should have advanced training in one of the following dental disciplines: General Dentistry, Geriatric Dentistry, Hospital Dentistry, Oral Medicine, Periodontics, or Prosthodontics.

Candidates should have sufficient research experience to demonstrate either significant accomplishment or outstanding promise. Candidates will be expected to establish and maintain an extramurally funded research program and participate in the undergraduate and graduate teaching programs and residency training. Applicants should submit by May 1, 1996, a curriculum vitae, a description of current and long-range research plans and arrange to have letters from three referees providing evaluations of previous accomplishments as well as potential for independent research and teaching excellence sent to:

Peter J. Polverini, D.D.S., D.M.Sc.

Professor and Chair

Department of Oral Medicine, Pathology, and Surgery

University of Michigan School of Dentistry

1011 N. University, Rm. 5217

Ann Arbor, MI 48109-1078

Phone: (313) 936-2191

Fax: (313) 764-2469

E-mail: neovas@n.imap.itd.umich.edu

*The University of Michigan is a
non-discriminatory/affirmative action employer.*

PHARMACOLOGICAL SCIENCES

SmithKline Beecham, a world leader in pharmaceutical research, has a long-term, temporary position available for a scientist in our Cardiovascular Pharmacology Department. The selected candidate will have responsibility for planning, designing and conducting experiments involving novel gene cloning and characterization related to cardiovascular pharmacology.

Qualifications include a BS/MS or PhD in Biological Sciences and experience with molecular biology techniques and strategies, along with solid analytical skills. Strong communication and presentation skills are a must, as is the ability to perform in a highly interactive environment in which to grow and excel.

Located in our state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation/benefits package, as well as a stimulating work environment. For confidential consideration, please send resume and salary requirements to: SmithKline Beecham Pharmaceuticals, Job Code #H6-CVKW, P.O. Box 2646, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.



SmithKline Beecham
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DIRECTOR - INSTITUTE OF BIOMEDICAL SCIENCES, ACADEMIA SINICA, TAIPEI, TAIWAN, R.O.C.

Academia Sinica, Taipei, Taiwan, ROC, is seeking nominations and applications of scientists qualified to serve as Director of the Institute of Biomedical Sciences (IBMS). IBMS currently has about 50 principal investigators and 300 scientific staff. It is well supported by stable funding and has an excellent potential for growth. Research programs include cancer, cardiovascular, infectious disease, neuroscience, structural biology, epidemiology and public health, and clinical research (in collaboration with major medical centers in Taiwan). The 150,000 sq. ft. building is well designed and equipped with modern instruments and facilities. A new building (280,000 sq. ft.) is near completion. Requirements for the position include a doctoral degree (Ph.D., M.D., or equivalent), demonstrated outstanding research in biomedical science, working experience as a full professor or equivalent for at least 5 years, evidence of administrative and leadership abilities, familiarity with the Taiwan environment, and fluency in Chinese language. Applications or nominations should consist of a cover letter and a complete curriculum vitae, including a list of publications and five representative reprints, as well as the names, addresses and telephone, FAX and/or e-mail numbers of five references. Nominations should have the consent of the nominee. Review of applications and nominations will begin on April 15, 1996, and continue until a suitable candidate is recruited. Applications and nominations should be sent to:

Dr. Shu Chien
Institute for Biomedical Engineering
University of California, San Diego
La Jolla, CA 92093-0412
Telephone: 619-534-5195
FAX: 619-534-5453

POSTDOCTORAL FELLOWSHIP

St. Jude Children's Research Hospital, a premier research center for children's catastrophic diseases and biomedical research, offers the **LEMUEL W. DIGGS ENDOWED FELLOWSHIP IN EXPERIMENTAL HEMATOLOGY**. The fellowship was established by the American Lebanese Syrian Associated Charities/St. Jude Children's Research Hospital to honor the contribution of Dr. Diggs to the investigation and treatment of sickle cell disease.

The fellowship is open to a junior investigator with an M.D. or Ph.D. degree who wishes to join a group studying the transcriptional regulation of the human B-globin locus and the use of gene transfer methodologies in the treatment of sickle cell disease.

Diggs fellowship awards are made for up to three years and are based on merit, recommendations and promise of a productive career in biomedical research. Stipends are highly competitive.



Send inquiries to:
Arthur W. Nienhuis, M.D., Director
St. Jude Children's Research Hospital
332 No. Lauderdale
Memphis, Tennessee 38105

Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

MOLECULAR MICROBIOLOGIST

Tenure-track **ASSISTANT PROFESSORSHIP** beginning August 1996. Ph.D. required. Teaching: teaching responsibilities include molecular biology, microbiology, and/or cell biology. Research: any area of microbiology involving molecular biology, especially environmental biotechnology, ecology, or evolutionary microbiology. Research must involve undergraduate and M.S. students. Application: curriculum vitae, separate statements of teaching philosophy and research interests, and three letters of recommendation to: **Micro Search, Department of Biology, James Madison University, Harrisonburg, VA 22807**. (<http://www.jmu.edu/biology/molmicro.html>). Email: wigginba@jmu.edu. Review of candidates will begin 1 March 1996. *James Madison University is an Equal Opportunity/Affirmative Action/Equal Access Employer, and especially encourages applications from minorities, women, and persons with disabilities.*

MARINE PHYSIOLOGIST

The Department of Zoology, Oregon State University (OSU), seeks candidates for a tenure-track position as an **ASSISTANT PROFESSOR**, available 16 September 1996. We seek applicants whose research focuses on the physiology of marine invertebrates, fish, reptiles, birds, or mammals. The successful candidate will be expected to actively participate in undergraduate and graduate teaching and maintain an independent, externally funded research program. Send curriculum vitae, a statement of teaching and research interests, reprints of no more than four papers, and three letters of reference to: **Marine Physiology Search Committee, Department of Zoology, Oregon State University, Corvallis, OR 97331-2914**. Review of files will begin on March 1, 1996. *OSU is an Affirmative Action/Equal Employment Opportunity Employer and has a policy of being responsive to the needs of dual-career couples.*

BIOLOGY

Full-time **TENURE TRACK** position, beginning this fall. Experience teaching human and comparative anatomy and physiology, plus biochemistry. Ph.D. required. Viterbo is a Catholic, Franciscan, coeducational college, located in scenic La Crosse, Wisconsin, population 55,000. Send application, curriculum vitae, three reference letters, and all transcripts to: **Chair, Biology Department, Viterbo College, 815 South Ninth Street, La Crosse, WI 54601**. Screening begins immediately and continues until position is filled. *Affirmative Action/Equal Opportunity Employer.*

The University of South Florida (USF), Department of Surgery, is currently seeking a qualified postdoctoral candidate as an **ASSOCIATE in RESEARCH**. Applicants should have a Ph.D. in molecular biology. Research will include the identification and characterization of genes associated with the process of human colon cancer metastasis to the liver. The position is a two to three year full-time, non-tenure earning appointment. Send curriculum vitae by February 29, 1996 to: **Michele Hicks, Human Resources Coordinator, 12901 Bruce B. Downs Building, MDC 16, Tampa, FL 33612**. Applicants who need accommodations in order to participate in the selection process must notify **M. Hicks** at 813-974-2233, five working days in advance. *USF is an Affirmative Action/Equal Access/Equal Opportunity Institution.*

Department of Psychiatry, University of Pennsylvania, has **RESEARCH TRACK FACULTY** positions for the new Center for Neurobiology and Behavior. Candidates must have M.D., Ph.D. or Ph.D. with training in molecular biology, pharmacology or genetics, along with the ability to conduct and fund independent research. Please send letter of intent to: **Peter C. Whybrow, M.D., Chairman, Department of Psychiatry, University of Pennsylvania, in care of Ava Plotnick, 305 Blockley Hall, 418 Guardian Drive, Philadelphia, PA 19104**. *Equal Opportunity/Affirmative Action Employer.*

Department of Psychiatry, University of Pennsylvania, has senior level, tenure-track **FACULTY POSITION** for the new Center for Neurobiology and Behavior. Candidate must have M.D., Ph.D. or Ph.D. with extensive training in pharmacology, along with ability to conduct independent research. Please send letter of intent to: **Peter C. Whybrow, M.D., Chairman, Department of Psychiatry, University of Pennsylvania, in care of Ava Plotnick, 305 Blockley Hall, 418 Guardian Drive, Philadelphia, PA**. *Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN



CHAIR, DEPARTMENT OF MEDICINE

The College of Medicine at the University of Florida is searching for a distinguished individual to serve as **PROFESSOR** and **CHAIR** of the Department of Medicine, and to provide academic and administrative leadership in programs of patient care, teaching and research. Minimum qualifications include an M.D. degree and a distinguished record of performance in academic medicine with demonstrated administrative abilities to lead a highly productive academic department. The deadline for receipt of applications is April 5, 1996. The anticipated starting date is as early as July 1, 1996. Salary negotiable. Reply by sending a current curriculum vitae to: **Dwight L. Evans, M.D., Chair, Medicine Search Committee, Department of Psychiatry, University of Florida, Box 100256, Gainesville, FL 32610-0256**. *Affirmative Action/Equal Opportunity Employer. Women and minority applicants are encouraged to apply and voluntarily identify themselves.*

JAMES E. BIRREN CHAIR

The Andrus Gerontology Center at the University of Southern California is seeking a **SENIOR SCIENTIST** with long-term contributions to the neurobiology of aging. A description of research interests and a résumé should be sent by March 1, 1996 to: **Search Committee, Andrus Gerontology Center, University of Southern California, University Park MC 0191, Los Angeles, CA 90089**. *An Equal Opportunity/Affirmative Action Employer.*

MOLECULAR BIOLOGIST

The Departments of Radiation Oncology and Pharmacology and Toxicology at the Medical College of Virginia, Virginia Commonwealth University, are offering a tenure-track faculty position at the level of **ASSISTANT/ASSOCIATE PROFESSOR** for a scientist with an established record in applying molecular techniques preferably in, but not limited to, one of the following areas: signal transduction, gene delivery, cell cycle progression, and/or radiation biology. The primary appointment will be in the Research Section of the Department of Radiation Oncology with an affiliate appointment in Pharmacology and Toxicology. Well-funded ongoing research includes transcriptional regulation, cell cycle regulation, second messenger metabolism, receptor molecular biology, and DNA repair. Competitive salary/fringe benefits and excellent start-up funds are provided. Academic rank will depend on experience, but the successful candidate must have a Ph.D. or M.D. and have completed postdoctoral studies. Send curriculum vitae, reprints of two recent articles, and the names and addresses of three references to: **Kristoffer Valerie, Ph.D., Department of Radiation Oncology, Medical College of Virginia, Virginia Commonwealth University, Box 980058, Richmond, VA 23298-0058**.

Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.

ASSISTANT SCIENTIST: The Department of Pathobiology, University of Florida is seeking applications for a part-time assistant scientist position. This 60%-time research position will involve supervision of research on vector biology and control within an international tick and tickborne disease research program. Applicants must have a Ph.D. in entomology/acarology, with training and experience in arthropod control strategies and chemical ecology desired. In addition, evidence of creativity in development of novel approaches to vector control is preferred. Candidates should send curriculum vitae and three letters of recommendation to: **Dr. Michael J. Burridge, Chair, Search Committee, Department of Pathobiology, College of Veterinary Medicine, University of Florida, P.O. Box 110880, Gainesville, FL 32611-0880**. Telephone: 352-392-4700 (ext. 3131); FAX: 352-846-0246. Applications will be accepted until February 25, 1996. *The University of Florida is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

YORK UNIVERSITY Faculty of Pure and Applied Science Department of Biology

Applications are invited for a tenure-track position at the **ASSISTANT PROFESSOR** level in vertebrate neuroendocrinology, commencing July 1, 1996. Preference will be given to applicants using molecular approaches to areas such as hormone-receptor interactions. The successful candidate will be expected to develop a strong research program in vertebrate endocrinology and to carry a normal teaching load. The department has widely respected research programs in invertebrate endocrinology and molecular biology. York University is in the thriving cultural centre of Toronto and is ideally located for interaction with many neighboring Ontario universities. Applications, including a curriculum vitae, statement of research interests, recent publications, and the names of three referees, should be sent to: **Dr. C. G. H. Steel, Chair of the Search Committee, Department of Biology, Faculty of Pure and Applied Science, York University, North York, Ontario M3J 1P3 Canada**. Deadline for applications is March 1, 1996. York University is implementing a policy of employment equity, including affirmative action for women faculty. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. This appointment is subject to budgetary approval.

Applicants are invited for **TWO FACULTY POSITIONS** in biology to begin August 1996. The positions will be nine-month visiting faculty appointments but will be readdressed as tenure-track positions next year. Candidates must possess a Ph.D. and a strong commitment to teaching and research. The College of Charleston is a public liberal arts institution of 10,000 students. The College's primary aims are teaching and research excellence. The Department of Biology offers programs leading to the B.A. in Biology or the B.S. in Biology or Marine Biology, the M.S. degree in Marine Biology, and the M.S. in Environmental Studies. Teaching areas for these faculty appointments include Biology of Fishes, Comparative Vertebrate Anatomy, and Evolution. There is also a need for one of these individuals to curate the College's collection of fishes at the Grace Marine Biological Laboratory. Applicants should submit a curriculum vitae, statement of teaching and research interests, copies of relevant publications, and three letters of reference to: **Chair, Department of Biology, College of Charleston, Charleston, SC 29424**. All application materials should be received by February 21, 1996. *The College of Charleston is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.*

TENURE-TRACK POSITION MOLECULAR PHARMACOLOGY

The Faculty of Medicine at the Technion in Haifa, Israel invites applications at all academic levels for a **TENURE-TRACK POSITION** in pharmacology starting in October 1996. Applicants must hold a Ph.D. or M.D. degree, and for a position at the assistant professor level should have significant postdoctoral training and demonstrate excellence in conducting research. Candidates are expected to establish a strong, extramurally funded research program and to participate in teaching medical and graduate students basic and advanced courses. Teaching language in Israel is Hebrew. Interested applicants should submit curriculum vitae, list of publications, and a statement of research and teaching philosophy, and have three letters of reference forwarded to: **Dr. Peretz Lavie, Dean, Faculty of Medicine, Technion-Israel Institute of Technology, P.O. Box 9649, Haifa 31096, Israel**.

AQUATIC BIOLOGIST Carleton College

Applications are invited for a one-year **VISITING ASSISTANT PROFESSOR** in the Department of Biology. Teaching responsibilities include aquatic biology with lab, introductory biology for majors, and a non-majors biology course. Ph.D. preferred—ABD considered. Send application, curriculum vitae, undergraduate and graduate transcripts, a statement of teaching philosophy, a summary of research, and three letters of reference to: **Susan Singer, Department of Biology, Carleton College, Northfield, MN 55057-4025**. Review of applications begins March 1, 1996. *Carleton College is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are strongly encouraged to apply.*

CURRENT and EMERGING TECHNIQUES for MONITORING BRAIN STRUCTURE & FUNCTION

MARCH 28-29, 1996

Lister Hill Auditorium, NIH, Bethesda, MD

Topics to include

- NMR: Imaging and Spectroscopy
- Optical Imaging: Fluorescence, Frequency Domain, Holography
- Microscopy: Fluorescence, Atomic Force, Near Field, Confocal, IR
- PET Imaging
- Computer Simulation and Virtual Reality

R. R. Alfano, CUNY
N. M. Appel, FDA
G. G. Blasdel, Harvard Univ.
J. M. Bower, Cal. Tech.
J. Feinberg, USC
E. Gratton, Univ. of Illinois
J. C. Hall, Brandeis Univ.
G. A. Johnson, Duke Univ.
R. Kikinis, Harvard Univ.
E. N. Lewis, NIDDK
J. W. Lichtman, Washington Univ.
R. A. Lodder, Univ. of Kentucky

S. P. Marchese-Ragona, Iowa State Univ.
J. R. Merrill, High Tech Spectations, Inc.
R. V. Mulkern, Harvard Univ.
S. I. Rapoport, NIA
L. Sokoloff, NIMH
K. R. Spring, NHLBI
D. L. Taylor, Carnegie Mellon Univ.
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N. D. Volkow, Brookhaven Natl. Lab
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Christian C. Felder, NIMH
E. Neil Lewis, NIDDK

For
information
contact

Dr. D. Lester
Tel: 301-594-5855
FAX: 301-594-3037

E-mail:
LESTERD@CDER.FDA.GOV



Stanford University Ocean Margins Initiative Faculty Positions

A major component of future research and teaching in the School of Earth Sciences at Stanford will be improved understanding of ocean margins from the coastal plain to the base of the continental slope. The Stanford University Ocean Margins Initiative opens three tenure-line faculty positions to establish a new program focused on the geology, physics, chemistry, and engineering science of the ocean margins and the record of environmental change preserved within coastal sediments. Research areas which might fit well into the new program include, but are not limited to: coastal geochemical/bio-geochemical cycles, with an emphasis on the fluxes between human sources and sinks (organisms) and repositories (sediments); coastal paleoclimatology; ocean margin tectonic processes; subsurface fluids (water, oil, gas and associated clathrates) and flows across the coastal interface; and fluid dynamics along ocean margins.

The Stanford Ocean Margins Initiative seeks scientists with demonstrated records of excellence in research. Candidates must be committed to quality in undergraduate and graduate teaching. An interest in applying new technologies to the continental margin setting is particularly important. Special opportunities exist for collaborations with the Monterey Bay Aquarium Research Institute, which has remarkable experimental access to the coastal ocean, and with Stanford's Hopkins Marine Station.

We plan to begin filling the three positions in the Autumn Quarter of 1996. Appointments will be made at the Assistant Professor level for at least two of the three appointments. Senior scientists or engineers may also be considered for the other appointment. Applications, including a curriculum vitae, a statement outlining research interests that would materially contribute to the Stanford Ocean Margins Initiative, and names and addresses of three referees, should be sent by 31 March 1996 to:

Dr. Franklin M. Orr, Jr., Dean, School of Earth Sciences
101 Mitchell Building
Stanford University
Stanford, CA 94305-2210

Stanford University has a strong institutional commitment to the principle of diversity. In that spirit, we particularly encourage applications from women, members of ethnic minorities, and individuals with disabilities.

New York Academy of Sciences 1996 Conferences

The Abdominal Aortic Aneurysm

Genetics, Pathophysiology, and Molecular Biology

March 7-9, 1996

New York, New York

The Integrative Neurobiology of Affiliation

March 14-17, 1996

Washington, DC

B Lymphocytes and Autoimmunity

May 21-25, 1996

Prague, The Czech Republic

Psychobiology of Posttraumatic Stress Disorder

September 7-10, 1996

New York, New York

Neuro-Psychiatric Manifestations of Systemic Lupus Erythematosus

Immunopathogenic Mechanisms

September 27-30, 1996

New York, New York

Challenges and Opportunities in Pediatric Oncology

October 6-9, 1996

Budapest, Hungary

Nutritional Implications of Macronutrient Substitutes

October 27-29, 1996

Arlington, Virginia

Cerebrovascular Pathology in Alzheimer's Disease

November 12-15, 1996

East Rutherford, New Jersey



Conference information and schedules - subject to change

The Academy is accredited by the Accreditation Council for Continuing Medical Education. As appropriate, the conferences are designated Category 1 of the Physician's Recognition Award of the American Medical Association.

For preliminary programs, registration information, and poster presentation instructions, contact:

Science and Technology Meetings

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2 East 63rd Street

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E-mail: conference@nyas.org

POSITIONS OPEN

THE DEPARTMENT OF TOXICOLOGY NORTH CAROLINA STATE UNIVERSITY

Applications invited for a tenure-track faculty position at the **ASSISTANT PROFESSOR** level with 60% extension and 40% research duties. Salary is commensurate with training and experience. A Ph.D. in toxicology or related field is required, with knowledge of toxicants, including pesticides, their effects on mammalian systems, and their environmental fate. The successful candidate will direct the Department's extension activities to include county agent training and support, prepare literature, conduct short courses and meetings, and be responsible for the College of Agricultural and Life Science's Agromedicine Program in conjunction with the Medical School at East Carolina University and other health-related organizations. In addition, the individual will be expected to establish an active research program. Candidates should provide a curriculum vitae and a statement of research interests to be sent by March 31, 1996 to: **Chair, Search Committee, Department of Toxicology, NC State University, 3709 Hillsborough Street, Raleigh, NC 27607**. *North Carolina State University is an Equal Opportunity Employer operating under Affirmative Action policy and urges all qualified applicants to apply. Documentation of identity and employability of the applicant will be required before the hiring process can be finalized.*

The University of California San Francisco (UCSF) Department of Medicine is seeking applications for the position of **LABORATORY DIRECTOR**, Infectious Diseases-Molecular Epidemiology at the Epidemiology and Prevention Interventions Center (EPI Center) of the Infectious Diseases Division at San Francisco General Hospital to oversee the Center's molecular epidemiology research and training program. Applicants should demonstrate evidence of leadership, achievement, and international recognition in microbiology with significant accomplishments in the field of nosocomial infection, bacterial and fungal genotyping, and bacterial pathogenesis. Candidates must have a distinguished record of achievement appropriate for appointment at the Associate Adjunct Professorial rank within the University. Expertise in clinical laboratory management with a minimum of five years of experience in a large hospital laboratory at a major medical institution is required. Qualified applicants are encouraged to apply. Send inquiries, curriculum vitae, and three references to: **Julie Gerberding, M.D., MPH Associate Professor of Medicine (Infectious Diseases), UCSF Box 1372, San Francisco, CA 94143-1372**. *UCSF is an Equal Opportunity Employer. Applications from women and minorities are encouraged.*

ACADEMIC POSITION IN PATHOLOGY

Medical school is seeking a full-time qualified M.D. and/or Ph.D. to teach and coordinate general and systemic pathology to sophomore medical students and to participate in the problem-based learning curriculum as a tutor. It is expected that strong biomedical research or service in the area of applicant's expertise will be developed. Rank and salary negotiable, depending on qualifications and experience. Starting date: July 1, 1996. Send curriculum vitae and three letters of recommendation to: **Dr. Panayotis G. Iatridis, Northwest Center for Medical Education, Indiana University School of Medicine, 3400 Broadway, Gary, IN 46408**. *Indiana University is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITIONS CELL BIOLOGY MAYO CLINIC

Position available immediately to study cytoskeletal regulation of vesicle-based protein secretion and endocytosis in epithelial cells. Applicants must have a Ph.D. or M.D. degree with expertise in molecular methods such as PCR, library screening, gene cloning and sequencing, Northern and Southern blot analysis, and cell transfections.

Position available late 1996 to study the detrimental effects of alcohol on protein trafficking in cells of the liver and pancreas. Experience in biochemical, and cell biological, or molecular techniques desirable. Applicants should have a Ph.D. or M.D. degree and must be U.S. citizens or permanent residents.

Send résumé and letters of reference to: **Mark A. McNiven, Ph.D., 1721 Guggenheim Building, Mayo Clinic, 200 First Street SW, Rochester, MN 55905**. *Mayo Foundation is an Affirmative Action/Equal Opportunity Educator and Employer.*

POSITIONS OPEN

PLANT FIELD BIOLOGY AND PLANT BIOLOGY MIDDLEBURY COLLEGE Middlebury, Vermont 05753

The Department of Biology invites applications for a tenure-track position in plant field biology and a term position in organism-level plant biology with an initial two-year contract (possibly renewable). Both entry-level, to begin fall of 1996. Rank of beginning **ASSISTANT PROFESSOR** and beginning **VISITING ASSISTANT PROFESSOR** respectively. Ph.D. in subject area, a broad background in biology, and a commitment to excellence in both teaching and scholarship required. The field biologist will offer an introductory lab course in ecology, a lab course in plant field biology, and either a senior seminar or a general education course, and will participate in winter term. The plant biologist will offer an introductory lab course in genetics and evolution, a lab course in organismic plant biology, and either an advanced senior seminar or a non-lab general education course, and will participate in winter term. Supervision of undergraduate student research is expected. Completed application must be received by 15 March 1996 and should include curriculum vitae, statements of teaching and research interests, undergraduate and graduate transcripts, a sample of scholarly work, and at least three current letters of recommendation (at least one of which speaks directly to teaching) sent directly by their authors to: **Dr. Stephen Trombulak, Chair, Plant Field Biology Search Committee, or Dr. Christopher Watters, Chair, Organismic Plant Biology Search Committee, Department of Biology, Telephone: 802-388-3711; FAX: 802-388-0739**. *Middlebury College is an Equal Opportunity Employer, and encourages applications from women and members of minority groups.*

Two **POSTDOCTORAL POSITIONS** available in new program: 1) studying hematopoietic mechanisms, 2) developing improved vector systems for gene therapeutics. Ph.D. with a strong background in molecular biology and experience in gene transfer required. Send curriculum vitae to: **Dr. Robert Hawley, Scientific Director, Oncology Gene Therapy Program, Head, Oncology Research Laboratories, The Toronto Hospital, CRCS-424, 67 College Street, Toronto, Ontario M5G 2M1 Canada**.

POSTDOCTORAL POSITION available for an individual with research experience in HPLC to quantify monoamines/metabolites and amino acid neurotransmitters. Primary responsibility will be to collect and analyze CSF and microdialysis samples from clinical and experimental cases of traumatic brain injury. Competitive salary and benefits package. Send curriculum vitae and two letters of recommendation to: **R. L. Sutton, Ph.D., Director of Neurosurgical Research, Department of Surgery-869A, Hennepin County Medical Center, Minneapolis, MN 55415**. *Affirmative Action/Equal Opportunity Employer.*

RESEARCH ASSOCIATE 4 (Anticipated)

Position is in the Department of Plant Biology beginning June 1, 1996. Required: M.S. degree and one to two years of experience in plant biology or closely related field, research and publication history sufficient to qualify for graduate faculty affiliate status. Desired: Ph.D. in vascular plant taxonomy, herbarium experience; familiarity with the regional flora. Salary is commensurate with qualifications and experience. Application deadline is March 1, 1996, or until candidate is selected. Send application letter, résumé, and three references to: **Dr. Lowell E. Urbatsch, Department of Plant Biology, Louisiana State University, Baton Rouge, LA 70803 USA**. *LSU is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL RESEARCH TRAINEE

The University of Tennessee, Memphis has an open **POSTDOCTORAL RESEARCH TRAINEE** position in the laboratory of **Dr. Leonard Share** in the Department of Physiology and Biophysics. This position involves research in the role of gonadal steroid hormones in the cardiovascular and renal actions of vasopressin and in hypertension. Candidates should have a Ph.D. or M.D. with four years of postdoctoral experience and a background in cardiovascular techniques *in vivo* or *in vitro*. Applicants send curriculum vitae, copies of three representative publications, and the names of three references to: **Dr. Leonard Share, Department of Physiology and Biophysics, 894 Union Avenue, Memphis, TN 38163**. *An Equal Opportunity/Affirmative Action/Titles VII and IX/Section 504/ADA Employer. Minorities and women are encouraged to apply.*

POSITIONS OPEN

POSTDOCTORAL POSITIONS

TWO positions are available immediately to study *Mycobacterium tuberculosis*. Candidates must have laboratory experience in molecular genetics, automated DNA sequence analysis, or IS6110 typing. Two positions are also available to study *Streptococcus pyogenes* pathogenesis. Candidates must have experience in molecular genetics, recombinant protein expression and purification systems, or a broad background in immunology. Send curriculum vitae, including the names and telephone numbers of three references, to: **James M. Musser, M.D., Ph.D., Section of Molecular Pathobiology, Department of Pathology, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030**. FAX: 713-798-4595. *Baylor College of Medicine is an Equal Opportunity/Affirmative Action and Equal Access Employer.*

A **POSTDOCTORAL POSITION** is available to study the molecular genetics of molecular motors, using the mouse as a model system. McLaughlin Research Institute consists of highly interactive research groups housed in a new building with state-of-the-art transgenic and gene targeting facilities. Send curriculum vitae and names of three references to: **Dr. John A. Mercer, McLaughlin Research Institute, 1520 23rd Street South, Great Falls, MT 59405**. Email: umbjm@gemini.oscs.montana.edu. *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL and RESEARCH POSITIONS available immediately for Ph.D.'s with training in molecular biology. Research involves identification of novel TGFβ signaling mechanisms in normal and cancer cells. Salary commensurate with experience. Send curriculum vitae and names of three references to: **Dr. Kathleen M. Mulder, Department of Pharmacology, Penn State University College of Medicine, 500 University Drive, Hershey, PA 17033**. FAX: 717-531-5013. *Equal Opportunity/Affirmative Action Employer; minorities and females encouraged to apply.*

POSTDOCTORAL POSITION—mucosal immunology. Available immediately for an NIH-funded study of orally induced non-responsiveness to protein antigens. Recent Ph.D.; experience in cellular and molecular immunology required. Send curriculum vitae with names of three references to: **Cathryn Nagler-Anderson, Ph.D., Mucosal Immunology Lab., Massachusetts General Hospital East, 3308, Pediatric G.I., Building 149, 13th Street, Charlestown, MA 02129**. Email: nagler_ander@helix.mgh.harvard.edu. FAX: 617-726-4172.

STAFF BIOPHYSICIST

Staff Biophysicist to supervise a multi-user equipment facility with a Beckman Analytical Ultracentrifuge, a BIAcore-2000 surface plasmon resonance instrument, and fluorescence spectrometers. Incumbent will operate/maintain instruments and computer interface; instruct faculty/students in experimental design and data collection. Need advanced training in chemistry/biophysics; demonstrated experience desirable. Salary: \$32,000 to \$38,000, for position open March 15, 1996. Send résumé and names/addresses of three references to: **T. W. Traut, Department of Biochemistry and Biophysics, University of North Carolina, Chapel Hill, NC 27599-7260**.

UNDERGRADUATE RESEARCH

Several paid **RESEARCH POSITIONS** are available to minority undergraduates during Summer 1996 as part of our NSF Training Grant on the Genetic Mechanisms of Evolution and the University of Oregon (UO) Institute of Molecular Biology. *Qualified applicants must be U.S. citizens or permanent residents*, and will participate in ongoing biological research at UO on topics involving evolution, genetics, development, molecular biology, population and conservation biology. To apply, send letter of application, transcript, résumé including statement of interests, and two letters of recommendation by 1 March 1996 to: **Summer Program for Undergraduate Research, Department of Biology, University of Oregon, Eugene, OR 97403**. *The University of Oregon is an Affirmative Action/Equal Opportunity Employer committed to cultural diversity and compliance with the Americans with Disabilities Act.*

APPLIED BIOCATALYSIS

Energy BioSystems Corporation (EBC) is a well funded biotechnology company specializing in the application of enzyme systems for the fossil fuel industry. The company is expanding its R&D laboratories at its corporate headquarters in The Woodlands, a master-planned community north of Houston, Texas. EBC is searching for experienced RESEARCH SCIENTISTS to assist in our biodesulfurization projects including the molecular genetics and biochemistry programs. Candidates must be strong team players with the skills required to participate in a highly motivated, multidisciplinary research effort.

Biochemist/Enzymologist

Duties include characterization of a multi-enzyme pathway catalyzing the removal of sulfur from heterocyclic compounds; purification and characterization of proteins involved in the process; elucidation of enzyme mechanisms and characterization of protein synthesis/degradation rates. **Requirements** of this position include a Ph.D. in Biochemistry or Enzymology and at least 2 years postdoctoral experience with a strong publication record. Working knowledge of microbiology and genetics a strong plus.

Molecular Geneticist

Duties include planning and executing research to identify, clone, characterize and express genetic elements of a multi-step biodesulfurization pathway. **Requirements** of this position include a Ph.D. in Molecular Genetics, Biochemistry or related field with 2+ years experience; expertise in cloning, PCR, SDM, blotting and gene expression; experience with microbial biosynthetic/biodegradative pathways preferably in *Pseudomonas* or *Bacillus*; and a strong publication record.

Microbial Physiologist

Duties include developing a program to study physiology of microbial desulfurization in natural and recombinant strains, especially with regard to energy flow through desulfurization pathway and microbial adaptation to petroleum; interfacing with molecular biologists, biochemists and biochemicals to construct improved biocatalysts. **Requirements** of this position include a Ph.D. in Microbial Physiology with at least 2-5 years post-doctoral experience; experience with a wide range of microorganisms including recombinant organisms and proven skills in conducting an independent research program. Experience with fermentation, biotransformations and organic chemistry helpful.

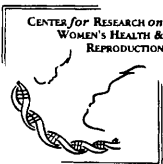


ENERGYBIOSYSTEMS

Please send resume in confidence along with a cover letter stating the name of the position. Also send the names, addresses and telephone numbers of relevant references to:

Human Resources Manager
Energy BioSystems Corporation
4200 Research Forest Drive
The Woodlands, Texas 77381

No Phone Calls - EOE



Center for Research on Reproduction and Women's Health University of Pennsylvania Medical Center William Shippen, Jr., Professorship of Human Reproduction

The Center for Research on Reproduction and Women's Health seeks an established investigator in the areas of gamete biology and pre-embryo research to join an internationally recognized research program in reproductive biology. The incumbent will be appointed to a tenured professorship in the Department of Obstetrics and Gynecology and designated the William Shippen Jr., Professor of Human Reproduction. Qualifications for the position include a distinguished record of scholarship, success in gaining extramural grant support, and demonstrated experience in research training.

Inquiries should be addressed to:

Jerome F. Strauss, III, M.D., Ph.D.
Luigi Mastroianni, Jr.,
Professor and Director
Center for Research on Reproduction
and Women's Health
778 Clinical Research Building
415 Curie Blvd.
Philadelphia, PA 19104

We are an affirmative action/equal opportunity employer and actively seek women and minority candidates.

RESEARCH SCIENTIST Obesity & Diabetes Research

Merck Research Laboratories in Rahway, New Jersey, a world leader in biological and pharmaceutical research, seeks applications for a senior position within the Pharmacology Department. The appointee will have important responsibilities for the in vivo aspects of diabetes and obesity research, and will participate in ongoing multi-disciplinary efforts aimed at identifying and implementing novel approaches and modalities for the therapy of diabetes and obesity.

The successful candidate ideally will have an M.D., Ph.D. or equivalent in Pharmacology or a related discipline, significant post-doctoral experience, a proven track record in aspects of experimental diabetes and/or obesity, and expertise in measurement of indices of energy metabolism in vivo and ex vivo.

Merck offers a competitive salary, an excellent benefits package, opportunities for professional growth and pleasant working conditions. Qualified applicants should send their resumes to: **Manager, Human Resources, Ad#174, Merck Research Laboratories, P.O. Box 2000, RY80-A3, Rahway, NJ 07065. EEO/AA/VH/Employer.**



MERCK
Research Laboratories

FACULTY POSITION IN VETERINARY GENETICS

Associate/Full Professor of Veterinary Genetics at the University of California at Davis. Incumbent will also serve as Director of the Veterinary Genetics Laboratory (VGL). Required: DVM and/or PhD (DVM or equivalent veterinary degree highly desirable). Advanced training in modern animal genetics. Broad understanding of molecular genetic mechanisms and phenomena. Knowledge and experience in the methodologies used in modern genetics investigations. Experience in teaching. Substantial research record. Evidence of leadership qualities, including excellent interpersonal skills, and a capacity for administrative/management responsibilities. Experience in the acquisition of extramural funding and a commitment to securing additional funding for the programs of the VGL. Position includes a limited (10%) clinical commitment. Applications will be accepted through April 1, 1996, or until a candidate is identified. Qualified applicants should submit a letter of intent outlining special interest in the position, overall related qualifications and experience and career goals, curriculum vitae, and the names and addresses of three professional references to **Robert H. BonDurant, Chair, Department of Population Health and Reproduction, University of California, Davis, CA 95616. The University of California is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

POSTDOCTORAL POSITION available immediately to study the mechanism of cytochrome P450 and its mutants in a multidisciplinary laboratory. A strong background in enzymology, enzyme kinetics, and methods of physical chemistry is highly desirable. Send résumé and three letters of reference to: **Dr. Waskell, Department of Anesthesia, University of California San Francisco, VA Medical Center, San Francisco, CA 94121. FAX: 415-750-6946. Equal Opportunity Employer.**

POSTDOCTORAL POSITION New York University Medical Center

A **POSTDOCTORAL POSITION** is available to study the biology of malaria parasites. Experience in molecular biology is necessary. *U.S. citizenship or permanent residency required.* Send application, including names of referees, to: **Dr. Victor Nussenzweig, New York University Medical Center, Department of Pathology, MSB 131, 550 First Avenue, New York, NY 10016.**

A **POSTDOCTORAL POSITION** is available to study rapid repair of the gastric mucosa after injury. Research involves investigation of how Na^+/H^+ antiporter activity, intracellular pH, extracellular matrix, cytoskeleton, and signal transduction pathways influence restitution. Work will be done *in vitro* and with cell cultures and isolated cells. Experience in cell separation and culture techniques is essential. Send curriculum vitae and names of three references to: **Susan J. Hagen, Ph.D., Department of Surgery, Beth Israel Hospital, Dana 815, 330 Brookline Avenue, Boston, MA 02215. Email: shagen@bi.h.harvard.edu.**

POSTDOCTORAL POSITION to study regulation of gene expression of cytochromes P450 and other xenobiotic metabolizing enzymes. Background in molecular and/or cellular biology required; experience in analytical biochemistry, cell culture, protein biochemistry, PCR and molecular cloning techniques desired. Available March 1996. Send curriculum vitae, names of three references, and summary of research experience to: **University of New Mexico, Health Science Center Human Resources, Building 2, Room 101, Albuquerque, NM 87131 by March 22, 1996. An Equal Opportunity/Affirmative Action Employer.**

TWO POSTDOCTORAL POSITIONS available in the area of diabetes research: (1) Genetics: Join a team of investigators mapping diabetes susceptibility genes in multiplex IDDM and NIDDM families by linkage. Experience with microsatellite typing, linkage analysis, or positional cloning would be helpful. (2) Immunology: Characterize human T cell responses to glutamic acid decarboxylase in IDDM patients and relatives. Send curriculum vitae, a summary of research interests, and the names and addresses of three references to: **Dr. Patrick Concannon, Virginia Mason Research Center, 1000 Seneca Street, Seattle, WA 98101.**

POSTDOCTORAL POSITION immediately available to study the thermodynamics and kinetics of protein nucleic acid interactions, helicases, and SSB proteins. Some experience in fluorescence spectroscopy preferred. Send current curriculum vitae and three reference letters to: **Dr. W. M. Bujalowski, Department of Human Biological Chemistry and Genetics, The University of Texas Medical Branch at Galveston, Galveston, TX 77555-1053. UTMB is an Equal Opportunity/Affirmative Action Employer. Minorities/Females/Disabled/Veterans. UTMB hires only individuals authorized to work in the United States.**

POSTDOCTORAL POSITION available summer 1996, using an *in vitro* model of wound repair to identify signaling pathways activated by cell-matrix reorganization and subsequent changes in cell proliferation and gene expression. Send curriculum vitae and names of three referees to: **Fred Grinnell, Department of Cell Biology and Neuroscience, University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75235-9039. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION available immediately to study gene regulation of neuropeptides and nitric oxide synthase in neuronal cells and lungs, especially in response to injury. Strong background in molecular biology and peptide chemistry required. Please send résumé and references to: **Dr. Sami I. Said, State University of New York Health Sciences Center, T-17 040, Stony Brook, NY 11794-8172. FAX: 516-444-7502. Affirmative Action/Equal Opportunity Employer and Educator.**

POSITIONS OPEN

POSTDOCTORAL POSITION

POSTDOCTORAL POSITION available to research cellular mechanisms of regulation of microvascular permeability. Specific interest in the roles of endothelial cytoskeleton and junctional proteins in modulating endothelial permeability. Research techniques include small animal surgery, intravital microscopy, fluorescence imaging, confocal microscopy, electron-microscopy, immunohistochemistry, and computer assisted image analysis. Start date between June 1, 1996 and May 1, 1997. Position is for one year with possibility of two more years. Salary negotiable, based on prior experience. Applicants must have Ph.D. or M.D. and must be citizens or permanent residents of the U.S. as the initial appointment will be to an institutional National Research Service Award. Applications accepted until March 14, 1996. Send curriculum vitae and three letters of reference to: **Dr. Ann Baldwin, Department of Physiology, College of Medicine, University of Arizona, Tucson, AZ 85724-5051. Telephone: 520-626-6264. The University of Arizona is an Affirmative Action/Equal Employment Opportunity/ADA Employer and applications from females and minority members are strongly encouraged.**

POSTDOCTORAL POSITION. An NIH-funded postdoctoral fellowship is available in the Department of Pathology. The laboratory is studying the interactions between the formation of reactive oxygen/nitrogen intermediates and the regulation of cytokine gene expression. Other projects include the investigation of the immune response to sepsis and inflammatory bowel disease. Candidates should have experience with basic methods of molecular biology. Send curriculum vitae with references to: **Daniel G. Remick, M.D., Department of Pathology, University of Michigan Medical School, M2210 Med Sci I, 1301 Catherine Road, Ann Arbor, MI 48109-0602. FAX: 313-763-6476; Email: remickd@umich.edu.**

POSTDOCTORAL POSITION available immediately to study the whole-plant regulation of calcium nutrition in *Phaseolus*. Research will involve membrane transport studies using roots and vesicles, analysis of xylem transport of Ca, and assessment of shoot-root interactions. The GS11/12 federal position is funded for two years; certain citizenship restrictions apply. A recent Ph.D. in plant physiology or related field with a demonstrated ability to publish is required. Send curriculum vitae, selected papers, and the names of three references to: **Dr. Michael A. Grusak, USDA/ARS, CNRC, 1100 Bates Street, Houston, TX 77030. Email: mgrusak@bcm.tmc.edu. USDA/ARS is an Equal Opportunity Employer.**

POSTDOCTORAL POSITION in molecular cardiovascular biology: molecular genetics of hypertension, cardiac pathophysiology utilizing transgenic rat, knock-out mouse models. Strong background in molecular genetics/gene cloning, expression/transcriptional regulation, genetic analysis/ES cell technology. Must be qualified for NIH training grant. Curriculum vitae, three references to: **Dr. Victoria L. M. Herrera, Section of Molecular Genetics, Whitaker Cardiovascular Institute, Boston University School of Medicine, 80 East Concord Street, Boston, MA 02118.**

POSTDOCTORAL POSITION available June 1, 1996 to study the structure and function of large-conductance, calcium-activated potassium channels. Applicant should have strong background in either: overexpression and purification of recombinant proteins or electrophysiological techniques. Send curriculum vitae, statement of research interests, and names of three references to: **Kathy Giangiacomo, Ph.D., Department of Biochemistry, 803 MRB, Temple University Medical School, 3420 North Broad Street, Philadelphia, PA 19140. Temple University is an Equal Opportunity/Affirmative Action Employer. Applications from women and minorities are encouraged.**

POSTDOCTORAL POSITION in gene expression to study transcription factor regulation of *Drosophila* muscle genes in tissue culture and transgenic flies. Experience in molecular biology is required and experience in *Drosophila* biology is desirable. Position is available immediately. Applicants must have a Ph.D. Send curriculum vitae and names of three references to: **Dr. Robert V. Storti, Department of Biochemistry (MC/536), University of Illinois College of Medicine, 1853 West Polk Street, Chicago, IL 60612. University of Illinois College of Medicine is an Affirmative Action/Equal-Opportunity Employer.**

POSITIONS OPEN

HARVARD MEDICAL SCHOOL New England Regional Primate Research Center

POSTDOCTORAL POSITION to examine the role of leukocyte and endothelial adhesion molecules and chemokines in the pathogenesis of AIDS encephalitis using the SIV macaque model. The project requires a strong background in endothelial biology and tissue culture and an interest in mechanisms of disease. The successful candidate should have a Ph.D. in cell biology or a D.V.M. or M.D. with relevant experience. Please send curriculum vitae, cover letter, and names of three references to: **Andrew A. Lackner, D.V.M., Ph.D., NERPRC-Harvard Medical School, One Pine Hill Drive, P.O. Box 9102, Southborough, MA 01772.**

POSTDOCTORAL POSITIONS GENE THERAPY

Thomas Jefferson University has **POSTDOCTORAL POSITIONS** available for gene therapy by homologous recombination and novel oligonucleotides. Genes involved in human genetic diseases and viral genes will be among the targets. Qualified candidate should have strong background in molecular biology. Competence and experience in virology, eukaryotic expression vector cloning, mammalian cell culture, and transfection is preferred. Please send or fax curriculum vitae and cover letter describing experience to: **Dr. Eric B. Kmieciak, Department of Pharmacology, Jefferson Cancer Center, Thomas Jefferson University, 233 South 10th Street, Philadelphia, PA 19107. FAX: 215-923-1098. Equal Opportunity Employer.**

POSTDOCTORAL POSITION

Position available at the Weis Center for Research in Danville, Pennsylvania in the laboratory of **Dr. William Maltese**. Studies focus on structure-function analysis of Rab GTP-binding proteins and the roles of specific Rab proteins in intracellular trafficking of Alzheimer's amyloid precursor protein. The Weis Center is a well-equipped, modern research facility in an attractive rural environment. Starting date is flexible and salary depends on experience. Ph.D. in protein biochemistry, cell biology, or molecular biology is preferred. Please send curriculum vitae with the names and telephone numbers of three references to: **Geisinger Human Resources (WAM), 100 North Academy Avenue, Danville, PA 17822-1529. Equal Opportunity Employer. Minorities/Females/Disabled/Veterans.**

MEMBRANE TRANSPORT

A **POSTDOCTORAL POSITION** is available for studies of the molecular structure and mechanism of a P-type ATPase. The neurospora plasma membrane H^+ -ATPase has been crystallized and its structure is emerging. A high yield ATPase expression system is also available. Research will involve crystallographic or molecular biological approaches. Send curriculum vitae and names of three references to: **Dr. Gene A. Scarborough, Department of Pharmacology, CB Number 7365, F.L.O.B., University of North Carolina, Chapel Hill, NC 27599. Equal Opportunity Employer.**

POSTDOCTORAL POSITION

Available immediately to study adjuvant-induced changes in antigen processing and presentation associated with enhancement of virus-specific immune responses. Position is for two or possibly three years. Candidates should have experience in molecular immunology. Please send curriculum vitae, a statement of research interests, and names of three references (with telephone numbers) to: **Dr. Paul A. Offit, Associate Professor, The Children's Hospital of Philadelphia, Abramson Research Building, 34th Street and Civic Center Boulevard, Philadelphia, PA 19104. FAX: 215-590-2025. Equal Opportunity Employer.**

POSTDOCTORAL POSITION available to study apoptosis (programmed cell death) with respect to cancer etiology and therapy. Topics under investigation include p53 and Bcl2 interacting proteins and cloning of new genes that modulate cell death. A strong background in molecular biology with tissue culture experience and U.S. citizenship or residency status required. Send curriculum vitae, statement of interests/career goals, and names of three references to: **Dr. Louie Naumovski, Department of Pediatrics, Hematology/Oncology, Stanford Medical Center, Stanford, CA 94305. FAX: 415-723-5231. Email: naumovsk@leland.stanford.edu. Equal Opportunity Employer.**



POSTDOCTORAL POSITION

A postdoctoral position is available immediately for an individual to participate in a gene discovery effort to identify and characterize the biological function of novel genes as therapeutic targets for the treatment of inflammatory respiratory diseases such as asthma. The successful candidate will have demonstrated outstanding ability in the area of allergic information. A Ph.D. in Molecular Biology or a related field and strong skills in cellular and molecular immunology are required.

Millennium is a rapidly growing biopharmaceutical company researching the genetic basis of common diseases and developing therapeutics using this understanding. Enjoy the rewards of an innovative environment and the challenge of progressive science; publications in leading scientific journals actively encouraged. Please send or fax your C.V. and three references to: **Dr. Douglas Levinson c/o Shani Stickney, Millennium Pharmaceuticals, Inc., 640 Memorial Drive, Cambridge, MA 02139; FAX (617) 225-0884. EOE.**



MILLENNIUM PHARMACEUTICALS, INC.

The next generation of discovery

TENURE/TENURE-TRACK POSITION CLINICAL STUDIES OF BONE/MINERALIZED TISSUES

The Bone Research Branch, National Institute of Dental Research, National Institutes of Health, is seeking a clinical scientist with a strong background in clinical and basic research of bone and related areas to head a new program focusing on maintenance and regeneration of skeletal tissue and clinical applications. The successful candidate will be expected to establish an independent clinical and laboratory program addressing problems related to bone and related areas in health and in disease. Support will include at least two additional postdoctoral positions. The opportunity exists to fill this position either in the NIH Tenure-Track Program or as a NIH tenured senior investigator.

Under the NIH Tenure-Track Program, the position would be equivalent to the Assistant Professor level, and the selectee would be given up to 6 years to demonstrate his/her creativity and productivity as an independent scientist. Conversion to tenure would be subject to rigorous scientific review and endorsement by the NIDR and NIH scientific leadership.

Alternatively, the position may be filled with a tenured senior investigator, equivalent to the Associate or Full Professor level. A variety of employment mechanisms are available, however, appointment in the Federal Civil Service or in the PHS Commissioned Corps requires U.S. citizenship.

Applicants must have clinical expertise (M.D., D.D.S. or equivalent degree) and basic research expertise (Ph.D. or equivalent combination of experience and training) research accomplishments in bone and related areas, and the ability to develop clinical applications and clinical protocols.

Applicants may apply by submitting the following materials: a curriculum vitae, bibliography, a brief statement of research objectives, and a statement indicating in which of the two categories the application should be considered. Applicants are encouraged to address the knowledge, skills and abilities required for this position and also should arrange for three letters of recommendation to be sent directly to Ms. Harbrant.

Further information about the position and qualification requirements, including knowledge, skills and abilities required, may be obtained from:

**MS. FAYE M. HARBRANT, PERSONNEL MANAGEMENT SPECIALIST
NATIONAL INSTITUTE OF DENTAL RESEARCH
NATIONAL INSTITUTES OF HEALTH
31 CENTER DRIVE, MSC 2290, BUILDING 31, ROOM 2C-23
BETHESDA, MARYLAND 20892-2290; (301) 496-6971**

Application materials must be postmarked and sent to Ms. Harbrant by the closing date of March 4, 1996.

NIH is an Equal Opportunity Employer

DIRECTOR, TEXAS MEMORIAL MUSEUM THE UNIVERSITY OF TEXAS AT AUSTIN

THE TEXAS MEMORIAL MUSEUM is an organized research unit within the College of Natural Sciences at the University of Texas in Austin. It is closely affiliated with the departments of biological and geological sciences in that college and is both a public display facility and a collections-based research unit. The Museum holdings include significant collections of vertebrates, insects, cave invertebrates, vertebrate and invertebrate fossils, minerals, and archeological, ethnographic, and historical objects.

The College of Natural Sciences is the second largest of the 14 colleges and schools that comprise The University, with approximately 350 tenured and tenure-track faculty, 7700 undergraduate majors, 1500 graduate students, an academic budget of nearly \$39 million, federal grants and research contracts totaling over \$57 million annually and \$98 million in endowments.

The Director of the Texas Memorial Museum is the chief executive officer of the Museum and is expected to provide vision and leadership in both public outreach and research as well as to manage the budget, and to engage in fund raising in the private sector. The Director reports to the Executive Vice President and Provost through the Dean of the College of Natural Sciences.

We are looking for a congenial, dynamic leader with demonstrated outstanding abilities in research, administration, service to the community, and communication with the private sector. The candidate must qualify for appointment to the rank of Professor with tenure in a department of the College. Applications and nominations will be accepted until April 1, 1996; after this date the Committee may request and consider credentials from candidates nominated by responsible sources. Nominations and applications should be accompanied by a letter discussing relevant experience and accomplishments, a curriculum vitae, and the names of four references. These materials should be sent to: **Office of the Dean, College of Natural Sciences, WCH 204, The University of Texas, Austin, Texas 78712.**

The University of Texas at Austin is an affirmative action, equal opportunity employer. For more information on UT Austin and the Texas Memorial Museum see <http://www.utexas.edu/depts/tmm/>



FACULTY POSITIONS IN BIOCHEMISTRY AND MOLECULAR BIOLOGY

THE DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY in the College of Medicine at the University of Oklahoma Health Sciences Center is undergoing a major expansion in its size and research activities. Several TENURE-TRACK positions are available at ALL RANKS. Interested candidates must have a Ph.D. or equivalent degree and a strong training and publication record. Scientists with a productive research program in macromolecular physical biochemistry and structural biology are encouraged to apply, but serious consideration will also be given to individuals with interest in other areas of modern molecular and cell biology including signal transduction, intracellular trafficking and cell-matrix interactions. Senior scientists should have a record of sustained extramural support. Successful candidates are expected to develop independent research programs, participate in graduate and professional teaching programs, and be involved in collaborative projects. There are seven colleges in the University of Oklahoma Health Sciences Center, located on a 200 acre modern campus in Oklahoma City, with over 3300 students and 2200 faculty. A new Biotechnology Park has been completed and work has begun on a \$45 million Biomedical Research Center. Please send a letter of application, curriculum vitae, outline of current research activities and future plans, selected reprints, and the names and addresses of three references to:

**Dr. Richard D. Cummings
Chair of Search Committee
Department of Biochemistry and Molecular Biology
University of Oklahoma Health Sciences Center
P.O. Box 26901 BSEB-325
Oklahoma City, OK 73190
e-mail: searchc@uokhsc.edu**

Review of applications will begin by March 15, with an expected start date in the summer/Fall of 1996.

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

POSITIONS OPEN

GENETICS OF COMPLEX TRAITS

Two **POSTDOCTORAL POSITIONS** immediately available for work on quantitative genetic and/or molecular genetic aspects of human obesity and other complex traits. Studies include linkage, gene identification and mutation screening. Ph.D. or equivalent in related field. Send curriculum vitae and names of three references to: **Dr. R. Arlen Price, University of Pennsylvania, Department of Psychiatry, 415 Curie Boulevard, CRB145B, Philadelphia, PA 19104. Email: Arlen@Mendel.Psycha.Upenn.Edu.; FAX: 215-573-2041.**

POSTDOCTORAL FELLOW POSITION

HLA diversity in human populations, development/support of HLA matching strategies for bone marrow transplantation, analysis of transplant outcome. Requires a strong background in molecular biology/immunology/HLA. Available immediately. Curriculum vitae and three references to: **Dr. C. K. Hurley, E404 Research Building, Georgetown University, 3970 Reservoir Road NW, Washington, DC 20007. FAX: 202-687-7505.**

POSTDOCTORAL RESEARCH FELLOWSHIP UNIVERSITY OF MARYLAND

Position available for Ph.D. or M.D. experienced in molecular endocrinology to participate in a program of rational design of new analogues of glycoproteins by site directed mutagenesis. Prior experience in biologic actions, carbohydrate structure and computer modeling of glycoproteins preferred. Interested applicants should send curriculum vitae and names of three references to: **Dr. John F. Wilber, Endocrine Division, University of Maryland Medical Center, N3W50, 22 South Greene Street, Baltimore, MD 21201. Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL FELLOWSHIP Gene Therapy

A **FELLOWSHIP** is available for work on *ex vivo* gene therapy using stromal cells from bone marrow. Ph.D. in biology, biochemistry, or molecular biology required, preferably from a well-recognized institution or laboratory. Research experience in synthesis of complex DNA constructs or in the characterization of stem cell helpful. Please send curriculum vitae and names of individuals who can be contacted for references to: **D. J. Prockop, Department of Biochemistry and Molecular Biology, Jefferson Institute of Molecular Medicine, Thomas Jefferson University, 233 South 10th Street, Philadelphia, PA 19107-5595. FAX: 215-955-5393. We are committed to a smoke-free environment. Equal Opportunity Employer.**

POSTDOCTORAL FELLOWSHIP IN PSYCHONEUROIMMUNOLOGY AT THE OHIO STATE UNIVERSITY

NIH-supported postdoctoral training grant position for scientists or clinicians (Ph.D. and/or M.D., D.D.S., D.V.M.) to conduct research on communication among the nervous, endocrine, and immune systems is currently available. Applicants must be U.S. citizens or permanent residents of the United States. Applicants should submit a letter stating their research interests along with curriculum vitae and the names of three references to: **Bruce Zwilling, Department of Microbiology, 484 West 12th Avenue, Columbus, OH 43210. The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era veterans, disabled veterans and individuals with disabilities are encouraged to apply.**

Two **POSTDOCTORAL RESEARCH POSITIONS** are available immediately to investigate the molecular basis of sporadic, familial, and hereditary breast and ovarian cancer. Current projects focus on 1) the characterization of two newly identified candidate tumor suppressor genes and 2) the evaluation of breast and ovarian cancer prone kindreds for mutations in cancer predisposing genes. Candidates with experience in molecular biology and human genetics are encouraged to apply. Interested candidates send curriculum vitae, names of three references, and a brief description of your research interests and experiences to: **Andrew Godwin, Ph.D., Department of Medical Oncology, c/o Human Resources Department, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. FAX: 215-728-2741. Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL POSITIONS BIOCHEMISTRY/MOLECULAR BIOLOGY

The University of Michigan, Department of Dermatology, is seeking highly motivated, creative scientists to fill several **POSTDOCTORAL** positions. Preference will be given to candidates who can join us prior to June 30, 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 transcription factors and protein kinases and induces metalloproteinases 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; and *Nature*, 379: News and Views, 1996).

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

The University of Michigan is a non-discriminatory, Affirmative Action Employer.

POSTDOCTORAL OR STAFF RESEARCHER EXPERIMENTAL CHEMICAL PHYSICS

Experimental quantum control of chemical dynamics with femtosecond lasers. Close interaction among experimentalists and analytical and numerical theorists. Looking for exceptionally able experimentalist; strong laser background desirable. Salary \$27,420 plus (**POSTDOCTORAL**), \$43,800 plus (**RESEARCHER**, with exceptional experience). For description of current group activities and personnel see World Wide Web site, <http://www.wilson.ucsd.edu> or Email: wilsjob@ucsd.edu. Please send curriculum vitae, statement of research interests and goals, and one letter of recommendation to: **Prof. Kent R. Wilson, Department of Chemistry 0339, University of California, San Diego, La Jolla, CA 92093-0339. Affirmative Action/Equal Opportunity Employer.**

VIRAL PATHOGENESIS SCIENTIST

Virion Systems, Inc., a Maryland biotechnology corporation, seeks a **SCIENTIST** with expertise in viral pathogenesis using small animal models. Our projects include studies of the pathogenesis and therapy of viral infections, and the development of new vaccines and vaccine strategies for viral and bacterial agents. The position requires a doctoral degree and postdoctoral experience. Candidates with clinical experience and/or experience with paramyxovirus or herpesvirus pathogenesis will be favored. Please send a letter of interest, a curriculum vitae, and the names of three references to: **Dr. Gregory A. Prince, Vice President, Virion Systems, Inc., 9610 Medical Center Drive, Suite 100, Rockville, MD 20850. An Equal Opportunity/Affirmative Action Employer.**

DEPARTMENT OF PEDIATRICS Assistant Research Scientist (50%)

Research in dentinogenesis imperfecta with emphasis on integrating protein and cell biology. Identify DGI and other craniofacial anomalies. Requires: Ph.D. with specific dentin-specific proteins in craniofacial development; track record of funding, publication, execution of comprehensive research. Desirable: experience in laboratory techniques related to gene expression and gene cloning; knowledge of protein chemistry/in-situ hybridization. Résumés to: **Chris Laubenthal, University of Iowa, Pediatrics, Attn. Number 34, 200 Hawkins Drive, Iowa City, IA 52242-1083. An Equal Employment Opportunity/Affirmative Action Employer.**

RESEARCH SPECIALIST

An opening exists for a **RESEARCH SPECIALIST** who will be responsible for the production and maintenance of a colony of transgenic and knockout mice. Experience with microinjection and blastocyst transfer techniques is essential. Master's degree and four years of experience preferred.

The successful candidate will have an excellent salary, a generous retirement plan, and flexible benefits, including health insurance. Please send your résumé and three references to: **Dr. P. Marrack, 512K Goodman Building, National Jewish Center, 1400 Jackson Street, Denver, CO 80206.**

POSITIONS OPEN

PALO ALTO INSTITUTE OF MOLECULAR MEDICINE

Bay Area institute seeks entrepreneurial **BIOMEDICAL SCIENTISTS** with RO1 or other funding. All areas of biomedical research considered, including cellular and molecular biology, pharmacology, chemistry, and biochemistry. Contact: **James W. Larrick, M.D., Ph.D., PAIMM, 2462 Wyandotte Street, Mountain View, CA 94043.**

ANNOUNCEMENTS

ROGER J. WILLIAMS AWARD IN PREVENTIVE NUTRITION

The University of North Texas (UNT) Health Science Center at Fort Worth invites nominations for the Roger J. Williams Award in Preventive Nutrition. The cash prize, \$10,000, for outstanding contributions to the prevention of disease and promotion of health through nutrition is provided by an endowment of **Bruce and Virginia Street, Sr.** Nominees will be evaluated on the magnitude of their contributions in any aspect of preventive nutrition, either scientific or sociological. The award will be presented in the fall of 1996 in Fort Worth. A nomination, which must be signed by the individual submitting it, should include 1) nominee's name and curriculum vitae; 2) description of the nominee's contributions to preventive nutrition; and 3) statement of the social and scientific impact of these contributions. Deadline: Nominations should be received by March 1, 1996. Send to: **W. J. McConathy, Chairperson, Screening Committee, Roger J. Williams Award in Preventive Nutrition, UNT Health Science Center, 3500 Camp Bowie, Fort Worth, TX 76107-2990 USA. FAX: 817-735-2098.**

WORKSHOP ON TOXICITY OF ALTERNATIVES TO CHLOROFLUOROCARBONS (CFCs)

The National Research Council's Committee on Toxicology will hold a one and one-half day workshop on the toxicity of alternatives to chlorofluorocarbons on March 7 to 8, 1996 in Irvine, California. The workshop will evaluate all aspects of toxicity of CFC substitutes with emphasis on cardiac sensitization. The workshop is being held as a satellite meeting of the Society of Toxicology meeting in Anaheim, California. There is no charge for attending the workshop, but preregistration is encouraged due to limited space. For further details, contact: **Dr. Margaret McVey, National Research Council, 2101 Constitution Avenue NW, Washington, DC 20418. Telephone: 202-334-2545; FAX: 202-334-2752; Email: mmcvey@nas.edu.**

MEDICAL RESEARCH ON OBESITY

In the last year, this laboratory has identified the ob gene and shown bioactivity of the encoded protein. Funds are available for licensed physicians interested in participating in clinical and basic research studies of the regulation and function of the ob gene. Interested applicants should forward an application including a curriculum vitae to: **Jeffrey M. Friedman, M.D., Ph.D., Laboratory of Molecular Genetics, The Rockefeller University, 1230 York Avenue, Box 305, New York, NY 10021. The Rockefeller University is an Equal Opportunity/Affirmative Action Employer.**

SYMPOSIUM

FRONTIERS IN BIOACTIVE LIPIDS '96 XVIth Washington International Spring Symposium Washington, DC May 6 to 9, 1996

Topics: fatty acids and esters, eicosanoids, phospholipids, lipid binding proteins, lipid receptors/antagonists. For forms and information: **Dr. Jack Y. Vanderhoeck, Symposium Chair, Department of Biochemistry and Molecular Biology, The George Washington University, 2300 I Street NW, Washington, DC 20037-2337. Telephone: 202-994-2929 or 3709; FAX: 202-994-8974; Email: jyvdh@gwis2.circ.gwu.edu.**

SCIENTIST CARDIOVASCULAR RESEARCH



Genentech is a pace-setting international biotechnology company that discovers, manufactures, and markets human pharmaceuticals for significant unmet medical needs. We currently have an excellent opportunity for a Scientist with a strong background in angiogenesis, vascular biology and endothelial cell biology.

You will be responsible for developing isolation and culture methods for endothelial cells from different vascular compartments, developing novel assays of cell function, and guiding in vivo experiments. As an integral member of the cardiovascular research department you will work in a collaborative manner with molecular biology, biochemistry, and molecular pathology groups. As part of this team you will play a key role in guiding and interpreting experiments designed to elucidate the molecular mechanisms of angiogenesis.

The successful candidate will have an MD or PhD degree with post-doctoral experience and a demonstrated record of achievement with publications in leading peer review journals. Experience in directing research associates and working in a team environment are an advantage.

Join us and enjoy our progressive culture, exciting success, and excellent benefits package that includes fully paid medical/dental/vision coverage, free health club membership, and Company stock purchase opportunities. For immediate consideration, please send your resume to Genentech, Inc., Human Resources Dept. VSDL, 460 Pt. San Bruno Blvd., South San Francisco, CA 94080. Genentech is an Equal Opportunity Employer. We value the contributions of our diverse workforce.

Genentech, Inc.



SENIOR SCIENTISTS

Otsuka America Pharmaceutical, Inc., located in Rockville, Maryland, is a progressive, global organization committed to developing innovative drugs for better health worldwide. To support our clinical development, we currently have the following two Senior Scientist positions immediately available:

THROMBOSIS, LIPID METABOLISM & VASCULAR BIOLOGY

The candidate we seek will have a Ph.D. in Biochemistry or a similar field and 3-5 years of pharmaceutical industry (or academic) experience that includes in vitro and in vivo models. You will provide expert knowledge of scientific concepts in the following fields: mechanism of lipid metabolism on biochemical and cellular basis, interaction between lipolytic hormones and insulin, phosphodiesterase (PDE) inhibitor, interaction between platelet, lipid, vessels and adhesion molecules as related to the mechanism of arteriosclerosis. Knowledge of GLP required.

GI INFLAMMATION

We require a Ph.D. in Pharmacology or a similar field and 3-5 years of pharmaceutical industry experience that includes in vitro and in vivo GI and IBD inflammation models. You will provide expert knowledge of scientific concepts in the following fields: inflammation of gastrointestinal organs including stomach and bowel, mechanism of ulcer formation, involvement of cytokines and PGE, in GI and IBD inflammation, involvement of neutrophil/macrophage in GI and IBD inflammation and *H. pylori*. Knowledge of GLP required.

We offer a competitive compensation/benefits package as well as relocation assistance. Please forward your resume, indicating position of interest, to: **Manager of Staffing, OTSUKA AMERICA PHARMACEUTICAL, INC., 2440 Research Blvd., Rockville, MD 20850. FAX: 301/212-8647. An Equal Opportunity Employer.**

Otsuka People Creating
New Products For
Better Health
Worldwide



PATHOLOGY: The University of California, Davis, School of Medicine seeks a full-time academic Chairperson of Pathology. Candidates must possess an M.D. degree and be Board Certified in Anatomic/Clinical Pathology, be eligible for licensure in California and be academically qualified for appointment at the professorial level. Demonstrated evidence of excellence in academic and clinical service administration, teaching, and research is required. Please forward the following: (1) letter describing administrative, teaching, and research background; (2) curriculum vitae; (3) names and addresses of five references to Chair, Search Committee for Chair of Pathology, c/o Karen Eilers, Office of the Dean, School of Medicine, East Health Sciences Drive, University of California, Davis, California 95616. This position will be "Open Until Filled"; for full consideration, applications should be received by March 31, 1996. *The University of California is an Affirmative Action/Equal Opportunity Employer.*

Cellular and Molecular Physiology Department of Physiology and Biophysics

The University of Iowa College of Medicine

Applications are invited for a tenure-track position at the ASSISTANT PROFESSOR level in an expanding research-based department. We are interested in individuals studying fundamental problems in vesicular and protein trafficking utilizing molecular and cell biological approaches. Candidates should be prepared to establish an independent research program complementing areas of existing departmental strength which include developmental biology, molecular endocrinology, membrane protein and ion channel structure/function. Excellent opportunities exist for participation in established centers and interdisciplinary programs in Cancer, Cardiovascular, Cystic Fibrosis, Diabetes/Endocrinology, Gene Therapy, Genetics, Immunology, Molecular Biology and Neuroscience. Substantial start-up support is available for equipment, personnel and supplies. Minimum requirements include Ph.D. and/or M.D. degree and at least two years of relevant postdoctoral training. Screening will begin March 1, 1996. Please send a curriculum vitae, statement of research plans, several representative publications and three letters of recommendation to:

Jeffrey E. Pessin, Ph. D.
Cellular and Molecular Physiology
Search Committee
Department of Physiology and Biophysics
The University of Iowa College of
Medicine
Iowa City, IA 52242-1109

The University of Iowa is an Equal Opportunity/Affirmative Action Employer. Women and Minorities are strongly encouraged to apply.

BASIC SCIENCE DIRECTOR OF CUTANEOUS ONCOLOGY

University of Michigan Comprehensive Cancer Center and Department of Dermatology

The University of Michigan Comprehensive Cancer Center and the Department of Dermatology wish to establish a joint program in the basic science of neoplasia. Applications are invited for a faculty position as director of this program. Candidates must possess a Ph.D., M.D., or M.D. Ph.D. degrees. Start up funds and laboratory space to establish and operate the research program will be available. The successful candidate will direct a multidisciplinary program investigating areas relevant to skin biology, including regulation of growth, differentiation and carcinogenesis. This program will interact with other basic and clinical investigators in the Cancer Center. A curriculum vitae, three letters of reference and a one page (maximum) summary of relevant experience should be sent to:



John J. Voorhees, M.D.
Professor and Chairman
Department of Dermatology
The University of Michigan
Medical Center
1910 Taubman Health Care Center
Ann Arbor, MI 48109-0314

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

DIRECTOR
National Center for the Development of Natural Products
School of Pharmacy
The University of Mississippi

Applications and nominations for the position of Director of the National Center for the Development of Natural Products (NCDNP) of The University of Mississippi (UM) are invited. The applicant should be a recognized leader in natural products research, with a strong background in research administration, including fiscal, personnel and scientific management. Requirements include a Ph.D. in natural products chemistry or closely-related discipline, excellent communication skills, and a demonstrated commitment to multi-disciplinary research and to establishing an environment that fosters research excellence and productivity. An understanding of patents, licenses, and intellectual property rights, and experience in strategic planning and programming, are preferred.

The NCDNP, devoted to discovering, developing and commercializing new pharmaceuticals and agrichemicals derived from natural products, is based at UM's main campus in Oxford, Mississippi. The National Center has strong financial and programmatic support from the USDA and the State of Mississippi. The initial phase of a new \$35 million laboratory facility opened July, 1995. Phase I will provide 115,000 sq. ft. of space for 40-50 scientists, with support personnel. The NCDNP will operate with an annual core budget of \$5-6 million, to be supplemented by extramural funding, and will bring private industry, governmental agencies (esp. USDA), the State of Mississippi, and the University into a partnership to advance natural products research in the U.S.

The Director is responsible for the administration and supervision of activities of the Center, including fiscal management and budgeting, strategic planning, identification of scientific priorities and direction, establishment of research and operations policies, identification of resources for research support, and enhancing the research environment and reputation of the Center. The Director will represent the Center on the University campus, in the scientific community, and among other research administrators, and is expected to promote the Center before legislative bodies and other public and private constituencies. The Director will foster collaborations between faculty of the Research Institute of Pharmaceutical Sciences and Academic Departments of the School of Pharmacy, and with other scientists.

Applications should include a letter of interest stating how the applicant meets the qualifications, a curriculum vitae, and the names, addresses, and phone numbers of three references (who will not be contacted until the later stages of the search). Evaluation of applications will begin March 15, 1996 and continue until the position is filled. The desired appointment date is July 1, 1996. Applications should be addressed to:

Dr. Alice M. Clark
Interim Director
National Center for the Development of Natural Products
School of Pharmacy
The University of Mississippi
University, MS 38677
Telephone: 601-232-1005, Fax: 601-232-1006

THE UNIVERSITY OF MISSISSIPPI IS AN AA/ADA/EOE

HEAD OF DEPARTMENT OF CHEMISTRY: Applications or nominations are invited for the position of Head of the Department of Chemistry in the Division of Molecular Sciences, within the Mellon College of Science of Carnegie Mellon University. Carnegie Mellon University has recently created the Division of Molecular Sciences to develop new interdisciplinary research and educational programs. The new Division is integrating and extending the strengths of the Departments of Chemistry and Biological Sciences, as well as the Pittsburgh Supercomputing Center, the NMR Center for Biomedical Research, and the Science and Technology Center. The initial programs that are being developed in Phase I are: supra- and macromolecular chemistry; structural biology and chemistry; computational chemistry and biology; and, chemical and molecular dynamics of living systems. The Chemistry Department has considerable strength in materials chemistry and spectroscopy, and is expanding the computational chemistry and supra- and macromolecular chemistry programs as part of the Division plan. The Department has approximately 120 undergraduates and 50 Ph.D. graduate students, with 21 tenure-track faculty. The successful candidate will be expected to provide leadership as the Department continues to rebuild and focus its activities in conjunction with the new Division of Molecular Sciences.

Candidates should send a *curriculum vitae* and a brief description of their research interests. Review of applications will begin in February 1996 and will continue until a suitable candidate has been recruited. All correspondence should be sent to: **Chair, Chemistry Head Search Committee, Division of Molecular Sciences, Mellon College of Science, Carnegie Mellon University, 4400 Fifth Avenue - Box B, Pittsburgh, PA 15213-2683.**



DIRECTOR OF THE HEART AND LUNG INSTITUTE

Ohio State University College of Medicine is establishing a Heart and Lung Institute that will be the focal point for researchers in cardiovascular and pulmonary sciences. A Molecular Cardiovascular and Pulmonary Biology program will be the basic science foundation for the new Heart and Lung Institute. We are seeking an accomplished scientist with a strong research program in molecular cardiovascular biology to lead this institute as its Director. This program will be provided with five tenure-track faculty positions with excellent well-equipped new research laboratories and support facilities in the new Heart and Lung Institute Building. Major support facilities available to the molecular cardiovascular and pulmonary biologists include a transgenic animal facility that provides expertise and service, state of the art primate facility, macromolecular synthesis and sequencing service and instrumentation needed by modern molecular biomedical scientists.

Ohio State University College of Medicine, led by the new Dean, Dr. Bernadine Healy, is a part of the most comprehensive health sciences center in America. It is located in Columbus, a thriving metropolitan area of 1.4 million people.

Please send applications and nominations with curriculum vitae and a list of references to **P.E. Kolattukudy, 206 Rightmire Hall, 1060 Carmack Road, Ohio State University, Columbus, OH 43210; FAX (614) 292-5379; e-mail: Kolattukudy.2@osu.edu.** Screening will start 3/11/96.

The Ohio State University is an Equal Opportunity, Affirmative Action Employer. Women, minorities, Vietnam-era veterans, disabled veterans and individuals with disabilities are encouraged to apply.

WESTERN CAROLINA UNIVERSITY
College of Applied Sciences
Department of Physical Therapy
NEW FACULTY POSITIONS

Western Carolina University invites applications for three new faculty positions in its developing Master of Physical Therapy degree program. All these nine month tenure-track positions begin August 1996. Salaries and benefits are competitive. All positions require teaching, student advisement, university and community service, and scholarly productivity. The first class will be enrolled August 1996. Rural health, primary care, and community service are emphasized throughout the two year curriculum.

One position requires a doctoral degree in a field appropriate for teaching basic sciences and establishing a faculty research laboratory. Priority will be given to candidates with previous teaching and research experience. Two positions require candidates with master's degrees and previous clinical or academic teaching experience in major physical therapy specialty and related subjects. Flexibility in teaching and related scholarly assignments is possible. Priority will be given to candidates with graduate teaching experience, clinical specialty certification, or doctoral degree preparation.

The program is housed in over 10,000 square feet of newly renovated, fully equipped space in a historic building overlooking the campus. Western Carolina University is one of sixteen senior institutions in the University of North Carolina. Excellent teaching/learning and faculty development resources are available on campus. The University is located in a valley between the Blue Ridge and Great Smoky Mountains. Nearby are the Great Smoky Mountain National Park and abundant golf, hiking, fishing, water sports and other recreational opportunities. The region enjoys four distinct, comfortable seasons and is easily accessible to Asheville, NC and Atlanta, GA.

Applications will be accepted until the positions are filled. Interested candidates should send a letter of application, curriculum vitae, and names of three references to: **Karen Y. Lunnen, Chairperson, Physical Therapy Search Committee, Department of Physical Therapy, Western Carolina University, Cullowhee, North Carolina 28723.**

AA/EOE.

Cadus Pharmaceutical Corporation is a rapidly growing biopharmaceutical company pioneering the discovery of drugs which regulate G protein-mediated signaling pathways in the areas of inflammation, cardiovascular, and neurological disorders.

Associate Research Scientists

Molecular Biology

BS/MS level scientist is sought for project expressing mammalian signal transduction proteins in yeast. Candidates must have minimum 3 years experience in molecular biology. Additional experience in biochemistry, particularly protein analysis is helpful. **Code S-B**

Chemistry

BS/MS level scientists with 1-3 years experience in the synthesis of organic compounds with strong background in chromatographic & spectroscopic techniques (NMR, HPLC, MS). Extensive knowledge of organic chemistry essential with experience in combinatorial methods preferred. Responsibilities include synthesis of novel therapeutic agents and assist in methods development for automated combinatorial synthesis of small organic molecules. **Code S-C**

Cadus offers competitive salaries and benefits as well as excellent opportunity for career growth in a stimulating collaborative environment. Send CV and List of References to Science Search (please indicate code), Cadus Pharmaceutical Corporation, 777 Old Saw Mill River Road, Tarrytown, NY 10591-6705. Cadus is an Equal Opportunity Employer.

CADUS

PHARMACEUTICAL CORPORATION



Do You Enjoy Biochemistry, Problem Solving and Teaching?

If so, then this position might be for you.

Sigma Chemical Company has an opportunity in 'Research Technical Service' for someone with an advanced degree in Biochemistry.

The ideal candidate will have a minimum of three years' postdoctoral studies in biochemistry. The candidate should have exposure to protein isolation and characterization, organic synthesis and molecular biology, and be familiar with database software, such as dBASE 3 or 4. The candidate must possess demonstrated communication skills through classroom teaching or customer service.

This is an exciting opportunity to broaden one's knowledge of a wide range of topics and be close to the pulse of current research. You will be helping to solve research problems and product inquiries over the phone.

Sigma has a competitive 401 (K) plan and benefits package.

Interested applicants should send a resume to:

Sigma Chemical Company or email. Resume@sial.com

Position: RTS/dBASE

Staffing & Development

3050 Spruce Street

St. Louis, MO 63103.

SIGMA

COLD SPRING HARBOR LABORATORY

POSTDOCTORAL OPPORTUNITY

Applications are invited for a postdoctoral position which is available immediately for an individual with experience in either electrophysiology or Drosophila genetics. Our current research focuses on: 1) Genetic analysis of Ras or Ras-related signaltransduction pathways in mediation of neurotransmission in Drosophila; 2) Synaptic transmission and plasticity in the CNS of Drosophila learning and memory mutants. Applicants should send curriculum vitae and names of two references to: **Yi Zhong, Cold Spring Harbor Laboratory, P.O. Box 100, Cold Spring Harbor, NY 11724, USA. Fax (516) 367-8880.**

Equal Opportunity Employer M/F



BIOGEN

OUR EXPANDING UNIVERSE

In May 1995, we filed for U.S. regulatory approval of a new treatment for multiple sclerosis. We are now in the process of building the infrastructure and capabilities we will need to commercialize this drug, which is our first proprietary product. Our record of success to date is based on the hard work and dedication of our employees. We are now seeking a committed professional with strong values to join the Biogen team.

Biophysical Protein Chemistry - Formulation

Our Process Development Group has an opening for a Senior Process Scientist to lead the development of new therapeutic protein formulations. Requirements include a PhD in an appropriate specialty, publications covering some aspect of biophysical protein chemistry (e.g.; spectroscopic, thermal or hydrodynamic analytical methods), and 5-10 years' industrial experience with protein formulation. Additional required development experience includes lyophilization and technology transfer to an aseptic filling environment operating under GMP. Experience using statistical experimental design and HPLC to study protein decomposition products preferred.

Biogen offers what few companies in our industry can - Professional Challenge, Stability, Growth, and one of the strongest financial profiles in the industry. In addition, our compensation and benefits package, including equity participation, is one of the best in the industry, and is designed to attract and retain the finest talent available. If you are one of the best, this is your opportunity to join our expanding universe. Please forward your resume to:

**Biogen, Inc., Dept. DP/SF, 14 Cambridge Center,
Cambridge, MA 02142. FAX: (617) 679-2546**

BIOGEN

Biogen is an Equal Opportunity Employer
<http://www.careermosaic.com/cm/biogen>

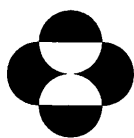
BIOLOGICAL DATA COORDINATOR

It is the goal of the Biological Data Section of the Department of Molecular Design and Diversity to integrate all MRL biological and chemical data into a convenient, accessible information environment, thereby optimizing the use of this information for drug discovery.

This is a singular opportunity for a biological data management professional to support existing systems and to collaborate with other scientific and information technology groups to design and implement new systems for the collection, analysis, storage and retrieval of biological and chemical information.

Qualifications include a B.S. degree in a biological science or chemistry (Advanced degree a plus) and proven experience with application development, preferably including knowledge of Excel and structured programming languages. Candidates must possess exceptional interpersonal and communication skills and be able to function well as a member of interdisciplinary teams.

Merck, the leader in the pharmaceutical industry, offers a competitive salary, an excellent benefits package, opportunities for professional growth and pleasant working conditions. Position will be located either in Rahway, NJ or West Point, PA. Qualified applicants should send their resumes to: **Manager, Human Resources, Ad #173, Merck Research Laboratories, P.O. Box 2000, RY80-A3, Rahway, NJ 07065.** EEO/AA/VH/Employer.



MERCK

Research Laboratories

FACULTY POSITIONS DEPARTMENT OF ANATOMY

MEDICAL COLLEGE OF VIRGINIA
VIRGINIA COMMONWEALTH UNIVERSITY

The Department of Anatomy at the Medical College of Virginia, Virginia Commonwealth University, invites applications for one tenure-track and two collateral positions, with potential conversion to tenure-track status in two years. We offer these positions at the Assistant Professor level and seek exceptional candidates pursuing imaginative cellular and molecular approaches in areas related to the Department's research interests which include neural injury and repair, the visual and visuomotor systems, developmental neurobiology, neuro-oncology, neuroendocrinology, immunology/dendritic cell biology, and vascular cell biology. The successful candidates are expected to develop vigorous research programs with potential for extramural funding. Additionally, the successful candidates are expected to participate in both graduate and professional teaching, with particular emphasis on microscopic and developmental anatomy.

An M.D., D.D.S., or Ph.D. degree and two or more years of productive postdoctoral research experience are required. Attractive salary and start-up packages commensurate with the candidate's qualifications and experience are available for each of these positions.

Applicants should send a curriculum vitae and statement of research interests, along with the names, addresses, and telephone and fax numbers of three referees by March 31, 1996, to:

Randall E. Merchant, Ph.D.
Chair, Search Committee
Department of Anatomy
P.O. Box 980709
Richmond, Virginia 23298-0709

"Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply."

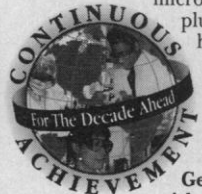
genzyme

RESEARCH SCIENTIST

A Ph.D. in Toxicology, Pharmacology, or related science is required. Must have experience in performing pre-clinical studies with recombinant proteins.

Responsibilities will include: designing and performing in vivo pharmacokinetic, pharmacodynamic, tissue distribution and toxicology studies; critically analyzing data and preparing technical reports in support of IND, NDA and EC submissions; and overseeing and reviewing studies performed by contract labs. Candidate should enjoy hands-on activities and is expected to be involved in laboratory work. Expertise in small animal microsurgical techniques plus. Individual must also have good interpersonal and communication skills and be able to productively interact with multidisciplinary teams.

Genzyme rewards success with an excellent compensation and benefits package, including 3 weeks' paid vacation, a 401(k) plan with a company match, extensive insurance benefits and an Employee Stock Purchase plan. Send resumes to: Genzyme Corporation, Pam Kurtzer, Human Resources Department, One Mountain Road, Framingham, MA 01701-9322. Phone: (508) 872-8400. Fax: (508) 872-5234. An equal opportunity employer.



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POSTDOCTORAL FELLOWSHIP

The National Center for Voice and Speech (NCVS) offers a unique two- to three-year postdoctoral training experience for a qualified molecular biologist. The successful candidate will share a dynamic research environment with a multidisciplinary consortium of prominent researchers and clinicians in the areas of voice and speech science and pathology, otolaryngology, vocology, physics, physiology and engineering. The collaborative nature of this position will afford the beginning investigator the opportunity to conduct ground-breaking research in the biological processes underlying normal and disordered voice and speech. The NCVS is a multidisciplinary research and training organization dedicated to protecting, enhancing and rehabilitating voice and speech. Four institutions compose the consortium: the universities of Iowa, Wisconsin-Madison and Utah, and the Denver Center for the Performing Arts. The successful candidate will be based at Utah, but collaborate with researchers at all sites to conduct proposed studies as well. Successful completion of a doctoral degree in molecular biology, genetics or physiology is highly desired. Applicants should also possess a long-term interest in solving problems related to oral communication and its disorders. Stipend support is given, as is a benefits package including health insurance and travel funding. Restrictions on funding stipulate that only U.S. citizens or non-citizen nationals or permanent residents of the United States in possession of an Alien Receipt Card I-551 or I-151, or other legal verification of such status at the time of appointment. Individuals on temporary or student visas are not eligible. Letters of application and vitae will be continuously accepted until the position is filled. The first possible appointment is Fall 1996. Forward all application materials to: **Patricia Zebrowski, Ph.D., Training Coordinator, NCVS, 127-A Wendell Johnson Speech & Hearing Center, The University of Iowa, Iowa City, Iowa 52242.** *Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

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FIELD RESEARCH ENTOMOLOGIST POSITION ANNOUNCEMENT

DowElanco is seeking a highly motivated professional to be part of a field research station team in Greenville, Mississippi. Responsibilities include designing and conducting field research in the areas of insect behavior, physiology, biochemistry, and toxicology to identify new opportunities and technologies in crop protection. The ideal candidate would hold a Ph.D. in Entomology or M.S. plus experience, with cotton entomology background being a plus. The individual must have strong skills in experimental design, statistics, computer applications, and exhibit excellent interpersonal skills.

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/NA R&D
Human Resources
DowElanco
9330 Zionsville Road
Indianapolis, IN 46268-1054**



Deadline for submission is March 15, 1996.

Cadus Pharmaceutical Corporation is a rapidly growing biopharmaceutical company pioneering the discovery of drugs which regulate G protein-mediated signaling pathways in the areas of inflammation, cardiovascular, and neurological disorders.

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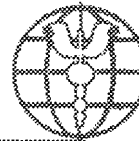
Scientists

Cadus Pharmaceutical Corporation seeks a highly motivated Ph.D scientist with at least 3 years of postdoctoral research experience in molecular biology plus demonstrated productivity in animal cell expression cloning of receptors. This individual will have responsibility for the cloning of novel G protein coupled receptor genes in collaboration with other Cadus scientists. The ability to work independently as well as with team members is essential. Knowledge of the mechanisms of signal transduction is highly desirable.

Cadus offers competitive salaries and benefits as well as excellent opportunity for career growth in a stimulating collaborative environment. Send CV and List of References to Science Search S-E, Cadus Pharmaceutical Corporation, 777 Old Saw Mill River Road, Tarrytown, NY 10591-6705. Cadus is an Equal Opportunity Employer.

CADUS

PHARMACEUTICAL CORPORATION



CORNELL
UNIVERSITY

**FACULTY POSITION
EXPERIMENTAL BIOPHYSICS
CORNELL UNIVERSITY**

The School of Applied and Engineering Physics at Cornell University is seeking applicants for a faculty position with experimental research concentration in the application of physics to the study of biological systems. This appointment will either be at the tenure-track or tenured level depending on the qualifications and experience of the individual. Candidates must be able to develop a successful independent research program, and to participate effectively in the teaching of biophysics courses at the undergraduate and graduate level and of the undergraduate applied physics curriculum. Substantial institutional support for research program start-up will be available. Depending upon research interests, the successful candidate can benefit from association with Cornell's interdisciplinary research centers, national facilities, and national resources. These include the Cornell High Energy Synchrotron Source (CHESS); the Cornell Biotechnology Center; the NIH funded Resources: the Biomedical Technology Resource for Macromolecular Diffraction, the Developmental Resource for Biophysical Imaging and Opto-electronics and the Parallel Processing Resource for Biomedical Scientists; the Cornell Nanofabrication Facility; the Center for Theory and Simulation in Science and Engineering, a national supercomputer facility; and the Materials Science Center. Substantial interactions with the Cornell Biophysics and Bioengineering Programs and associated research programs in the Chemical Engineering, Biochemistry, Chemistry, Physics, and Neurobiology academic units at Cornell will be encouraged.

An appointment is expected to begin September 1996, but an earlier or later start is possible upon the mutual agreement of the successful candidate and the School. Applications, which should include a resume, a statement of research interest, a publication list, copies of most important publications or preprints, and three letters of recommendation or the names of three references, should be submitted to **Professor Robert A. Buhrman, Director, School of Applied and Engineering Physics, 210 Clark Hall, Cornell University, Ithaca, New York 14853-2501**. The deadline for receipt of applications is April 30, 1996, or until the position is filled.

*Cornell University is an
Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL SCIENTIST

Cell Genesys, a research and development company engaged in today's most exciting gene modification technologies, is seeking a Postdoctoral Scientist to work in our adenovirus vector gene transfer group at our headquarters in the beautiful San Francisco Bay Area.

The selected candidate will be responsible for generating adenovirus vectors carrying therapeutic genes, followed by evaluation in *in vivo* animal models. You will also work to develop new generations of adenovirus vectors and package cell lines to propagate these mutants. For this role, you must have a Ph.D. and strong background in Virology, Molecular Biology, or Immunology; 0-2 years' postdoctoral training; and the proven ability to conduct research independently and productively. Experience in viral vector gene transfer is desirable.

We offer a competitive salary, excellent benefits and equity participation. For immediate consideration, send your resume and a list of references with a cover letter telling us about yourself to: Dr. M. Finer, Cell Genesys, Inc., 322 Lakeside Dr., Foster City, CA 94404. Fax (415) 358-8636. We are an equal opportunity employer.



CELL GENESYS

Invitation for Proposals for Science and Technology Meetings

The New York Academy of Sciences sponsors 15-20 major conferences and workshops each year. These meetings offer an impartial forum for scientists, engineers, physicians, students, and research executives from corporations, universities and government agencies to present current research as well as discuss its policy implications. Conference proceedings are generally published in *The Annals of the New York Academy of Sciences*, which ranks in the top two percent of the most cited publications in the world.

The Academy invites proposals for meetings to be held during 1997-98. Topics may be in any frontier field of biology, medicine, physics, chemistry, engineering, mathematics, computers, and technology. The Academy also encourages proposals for meetings in problem-oriented, multi-disciplinary subject areas, such as the environment, energy, population, telecommunications, and other issues at the interface of science, technology and society. Proposals are peer-reviewed, and the Academy provides continuing medical education credits for appropriate meetings.

For information on application procedures, please direct inquiries to:

Dr. Rashid Shaikh
Director, Science and Technology Meetings
New York Academy of Sciences
2 East 63rd Street
New York, N.Y. 10021
Fax: (212)838-5640
E-mail: conferences@nyas.org



POSTDOCTORAL POSITIONS

Postdoctoral positions are available in the Department of Molecular Biology and Biochemistry at the University of California, Irvine. These positions are for 1 or 2 years under sponsorship of the following faculty members: **D. Aswad**: biochemistry of neural functions; **B.K. Burgess**: biochemistry and genetics of nitrogen fixation; **M.F. Cumsy**: mitochondrial protein and import and gene expression in yeast; **R. Davis**: biochemical genetics of *NEUROSPORA*; **E. Ehrenfeld**: molecular mechanisms of replication in poliovirus and hepatitis A virus; **H.Y. Fan**: animal virology nucleic acid studies in murine leukemia viruses; **C. Glabe**: developmental biology, cell-cell interactions; **G.A. Granger**: cell and molecular mechanisms operative in cellular immunity; **B.A. Hamkalo**: eukaryotic chromosome structure and function; **A. Henschen**: structure-function relationships in proteins; **A.A. James**: molecular biology of insect vectors for infectious diseases; **J.E. Manning**: gene sequence organization in eukaryotic DNA, electron microscopy; **R. Miledi**: neurotransmitter receptors and synaptic functions; **M.B. O'Connor**: molecular genetics of development; **T. Poulos**: protein X-ray crystallography and protein engineering; **D.F. Senear**: regulatory energetics and protein-DNA assemblies; **T. Osborne**: molecular biology of transcriptional regulator proteins; **W.M. Stanley, Jr.**: protein biosynthesis in eukaryotic cells; **A. Tenner**: molecular basis of the enhancement of leukocyte function; **K.K. Tewari**: nucleic acids of chloroplasts and other organelles; **S. Tewari**: neuromolecular biology and CNS acting drugs; **L.P. Villarreal**: molecular biology of small DNA viruses; **E.K. Wagner**: nucleic acids and molecular biology of herpesvirus replication; **C.A. Woolfolk**: general microbiology, enzymology. Applicants for postdoctoral studies should send curriculum vitae and the names and addresses of three referees to the appropriate members of the participating faculty. Deadline for applications is June 30, 1996. For further information contact or write to: **The Department of Molecular Biology and Biochemistry, University of California, Irvine, CA 92717-3900. The Department of Molecular Biology and Biochemistry encourages female and minority applicants to apply. The University of California is an Equal Opportunity Employer committed to excellence through diversity.**

Postdoctoral Position: Available in Spring 1996 to participate in the on-going analysis of gene expression in the salivary glands and other tissues of the vector mosquitoes, *Aedes aegypti* and *Anopheles gambiae*. The research will involve the generation of transgenic mosquitoes and the molecular analysis of promoters derived from genes expressed in specific tissues. A Ph.D. or equivalent degree in molecular genetics is required, and experience in insect transgenesis is desired. Send curriculum vitae, statement of research interests, and names, addresses and telephone numbers of three referees by March 1, 1996 to: **Dr. Anthony A. James, Department of Molecular Biology and Biochemistry, University of California, Irvine, CA 92717-3900. FAX: (714) 824-2814.**

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GLOBAL CAREER OPPORTUNITIES

Kuwait University

The Geology Department is searching for candidates to be appointed in the vacancies below starting September 1996. Successful candidates will be responsible for teaching undergraduate and graduate courses in their respective disciplines, related subjects and general geology courses. Responsibilities also include supervision of graduate students and design and execution of research programs in the department. Teaching experience is required.

- 1) STABLE-ISOTOPE GEOCHEMIST
- 2) METAMORPHIC PETROLOGIST
- 3) ECONOMIC GEOLOGIST
- 4) MARINE GEOPHYSICIST

Initial contract is for two years and is renewable. Ph.D. is required for appointment. Salary depends on rank, experience and qualifications. It is paid on a 12-month basis and is not taxed in Kuwait. Summer vacation is about 2 1/2 months. Benefits include fully-furnished free housing accommodations (all utilities paid), annual round-trip airline tickets to candidate, spouse and three children (not exceeding 18 years of age), free health and dental care and other fringe benefits. Interested individuals should send resumes and applications and arrange to have three letters of recommendations sent to:

Search Coordinator
Dr. Ali T. Al-Mishwat
Geology Department
Kuwait University
P.O. Box 5969-Safat
Kuwait-13060
Phone: (965) 4810481/5962
Fax: (965) 481-6487
E-mail: almishwat@kuc01.kuniv.edu.kw

Wanted: Committed, ambitious scientist. Must be a team player with a vision for the future. M.D./Ph.D., Ph.D., M.S. or B.S. degree necessary.

Does this describe you?

If it does, then plan to attend the bioSCIENCE Career Fairs sponsored by SCIENCE. The bioSCIENCE Career Fairs offer the perfect opportunity for scientific professionals to meet in person with representatives from top biotechnology and pharmaceutical companies, universities, governmental agencies and institutions. You can also attend the seminar, *How to get a paper published in SCIENCE*. This exclusive seminar is offered free of charge and will be conducted by one of SCIENCE's editors.

1996 bioSCIENCE Career Fairs

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March 1: 11 am - 4pm; March 1 Seminar: 11 am - 11:30 am.

March 2: 12 pm - 4 pm.

San Francisco, CA on the Stanford Campus in Palo Alto, May 3-4.

La Jolla, CA at the Scripps Research Institute, October 4-5.

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ANNOUNCEMENTS



GRANT ASSISTANCE PROGRAM HELPS SEND CHARITABLE AID TAX-FREE TO THE FORMER SOVIET UNION & BALTICS

The **International Science Foundation (ISF)** announces the continuation of its **Grant Assistance Program (GAP)** to help non-profit and government organizations transfer charitable aid in the form of U.S. dollars, equipment and travel support to partners in the Former Soviet Union and Baltic countries.

GAP allows you to send assistance free of local personal income tax and customs duties, which typically account for up to 40% of the donation in additional costs, and allows you to take advantage of ISF's banking and shipping infrastructure which has channeled more than \$130 million to the region since 1993.

GAP is a safe and reliable channel for transferring aid to the region, and the only method that provides:

- ✓ Tax-free system for transferring funds via vouchers which can be exchanged for U.S. dollars throughout the region
- ✓ Customs clearance and transfer of research and educational materials to the region duty-free
- ✓ Facilities for purchasing discounted computers and scientific equipment from leading local vendors
- ✓ Discounted airline tickets for professional travel originating in the FSU
- ✓ On-site support for FSU and Baltic recipients by experienced local staff
- ✓ Detailed accounting for all grant activities which satisfies federal reporting requirements and OMB A-133 audits

Through the GAP network, ISF currently manages over \$4 million in grants from **NSF, INTAS, NIH, NRC, EPA, NASA** and others.

Donor organizations are responsible for all direct costs. A small administrative fee will be charged to all accounts. However, most organizations will be eligible to apply for a fee waiver from the **Open Society Institute**.

For more information please contact :
GAP - International Science Foundation
1054 31st Street N.W., Suite 110
Washington D.C. 20007
Tel: (202) 342-2760 Fax: (202) 342-2765
E-mail: info@isf.org
<http://www.isf.ru/>

ENVIRONMENTAL SCIENCES FACULTY POSITION The University of Texas-Houston Health Science Center School of Public Health MPH Program at San Antonio

The Environmental Sciences Discipline of The University of Texas-Houston School of Public Health is seeking candidates for a tenure-track position at the Assistant or Associate Professor level to join the faculty of the Satellite MPH program in San Antonio. The satellite program, an integral part of the UT-Houston Health Science Center School of Public Health, is located on the campus of The University of Texas Health Science Center at San Antonio.

Candidates must have a doctoral degree in the environmental sciences or an M.D., M.P.H. with board certification in preventive medicine; demonstrated competence and experience in teaching environmental and occupational health at the graduate level; and evidence of scholarly achievement as indicated by research projects and publications. Experience in the development and administration of environmental health programs at the community or state level is preferred. Responsibilities will include teaching, research, supervision of graduate students and community service. The incumbent ideally will have research interests pertinent to the particular problems of public health in South Texas and the United States-Mexico border region. An opportunity to assume administrative responsibilities may be available for a candidate hired at the Associate level.

Greater detail about this position, The University of Texas-Houston Health Science Center School of Public Health, and The University of Texas Health Science Center at San Antonio may be obtained through the Internet at the following address:
<http://utsph.sph.uth.tmc.edu/>

The University of Texas is an Equal Opportunity Employer. Minorities and women are particularly encouraged to apply. The start date is flexible; review of applications will begin immediately and continue until a suitable candidate is selected.

To apply: Send your *curriculum vitae* to:

George L. Delclos, M.D., M.P.H.

Search Committee Chair, School of Public Health
The University of Texas-Houston Health Science Center
P.O. Box 20186, Houston, Texas 77225

Opportunities at

Wockhardt Research and Development Center

Wockhardt, one of the leading indigenous pharmaceutical companies in India, has made a long-term commitment towards establishing an outstanding state of the art research & development center. It invites leading scientists, with talent and dedication, of all nationalities to apply in confidence to join the excitement at Wockhardt Research Center in Aurangabad, Maharashtra, India. Aurangabad is a small university and industrial town of one million with cosmopolitan flair and quality high schools.

Wockhardt Research Center is searching for the following positions:

Vice President of Research and Development:

Individual with demonstrated experience and established record of accomplishments in drug discovery and development preferably in the area of infectious diseases. The qualified candidate will have a Ph.D. in chemistry, pharmacology or biochemistry with a minimum of ten years of experience in drug discovery and development. The individual must be able to guide and manage a group of 50-100 scientists with backgrounds in medicinal chemistry, biochemistry, pharmacology and molecular biology and be driven by a keen desire to enthuse and successfully lead a multidisciplinary team towards achieving the goals of drug discovery and development in a timely manner.

Group Leader in Pharmacology/Biochemistry/Molecular Biology:

Individual with experience and demonstrated record of creativity and contributions in biochemistry, pharmacology or molecular biology of infectious diseases or related areas. The applicant must have a Ph.D. in biochemistry, pharmacology or molecular biology with at least five years of experience in guiding and supervising scientists in a drug discovery program. As a team member, in an interdisciplinary environment, the applicant will have freedom to formulate and guide a successful discovery program.

Lab Head: High Throughput Screening

Individual with initiative and enthusiasm for setting up drug screening and novel high throughput assays. The applicant will have a Ph.D. in biochemistry, pharmacology or molecular biology with at least two to five years of experience in high throughput screening efforts. As a team member, the applicant will work closely with medicinal chemists, combinatorial chemistry approaches and biologists for successful drug discovery using high throughput assay development and screening efforts.

Towards the search for Wockhardt new drugs, Wockhardt will provide the best remuneration and benefits to those applying for the above positions and having the necessary experience and creativity.

Please send a letter of introduction and resume to:

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P.O. Box 422
Mountain Lakes, N.J. 07046
or fax: 201-334-8741

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The position is part of a worldwide project team collectively responsible for the evaluation of novel veterinary medicines. The successful candidate will be responsible for preparing study protocols for laboratory and field trial programs, liaison with external study collaborators and the monitoring and reporting of clinical studies conducted at sites throughout North America. An important role will be ensuring all studies are conducted to high quality standards and are in compliance with corporate procedures and regulatory requirements. Significant travel may be expected.

This position requires at least two years experience as veterinary clinician (D.V.M. or equivalent) and/or a Ph.D. in a scientific discipline relevant to animal disease. The ability to communicate effectively, both orally and in writing, and experience in the interpretation and evaluation of scientific data are required. Industrial research experience and knowledge of the animal health industry would be an advantage. Previous experience as a monitor for clinical efficacy and safety studies in an environment of good compliance is desirable but not required.

We offer competitive salaries and a full range of benefits including medical and dental insurance, paid holidays and vacations, educational assistance, savings and investment plan, pension plan, relocation assistance and more. Our R&D facility, located in a southeastern Connecticut shore community, gives access to the well known academic and cultural centers of the Northeast, and offers the attractions of a New England lifestyle.

To learn how you can be part of the future of Pfizer, please forward your resume suitable for electronic scanning (i.e., eliminate italics, bullets, bolds, underlines and staples) to: **Manager Employee Resources, Ad# 1071, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340.**

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Animal Health Group
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Chairperson, Department of Microbiology

The Medical College of Wisconsin, a private, nationally recognized institution located on the campus of the Milwaukee Regional Medical Center, is seeking a Chairperson for its Department of Microbiology. The faculty is currently composed of 11 tenured or tenure-track investigators with productive research programs in the molecular aspects of bacterial genetics, virology, and immunology. Extramural, peer-reviewed funding is strong and growing, and the Department is housed in a well-equipped modern facility. Departmental teaching responsibilities include Medical Microbiology for medical students, the graduate program in microbiology/immunology, and shared responsibility for the Interdepartmental Program in Molecular Biology.

Candidates should have a strong record of research accomplishment and scholarship, a commitment to graduate and medical education, an interest in mentoring junior faculty and strong administrative skills to direct the continued growth of Departmental programs. Candidates with research programs in molecular genetics or other established research areas of the Department are particularly encouraged to apply, although all outstanding candidates will be given serious consideration. The Medical College of Wisconsin has experienced a doubling of research funding during the last decade, and seeks to continue this trend through recruitment of excellent academic leadership and faculty.

A letter of interest and a current curriculum vitae should be directed to: **Search Committee for Microbiology, c/o Office of the Dean, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226**

MCW is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to the achievement of diversity. In that spirit, we are particularly interested in receiving applications from underrepresented groups including women and minorities.

M/F/D/V

Postdoctoral Fellowships

The UNC Lineberger Comprehensive Cancer Center of the University of North Carolina at Chapel Hill will have openings in 1996-97 in its training program, now in its 21st year, for persons completing graduate studies to train with excellent investigators in basic research in tumor virology, molecular carcinogenesis, molecular therapeutics, cancer cell biology, genetics, tumor immunology and clinical interface research. Training is available in DNA repair, replication and mutagenesis; regulation of cellular proliferation and differentiation including growth factors, signal transduction pathways and intercellular communication; molecular immunology, molecular genetics and epidemiology of cancer; and human disease models and gene therapy. Unique training resources and core facilities are supported by the NCI-designated UNC Lineberger Comprehensive Cancer Center.

Preceptors are: **Steven Bachenheimer, Albert Baldwin, Victoria Bautch, Keith Burridge, Sharon Campbell, Stephen Chaney, David Clemmons, Edward Collins, Marila Cordeiro-Stone, Channing Der, H. Shelton Earp, Jeffrey Frelinger, Frank French, Jack Griffith, Stephen Haskill, Geoffrey Houghton, Brian Herman, Eng-Shang Huang, Clyde Hutchinson III, Kenneth Jacobson, Rudolph Juliano, David Kaufman, Shannon Kenney, Ryszard Kole, Steven Leadon, David Lee, Edison Liu, Patricia Maness-Tidwell, William Marzluff, Beverly Mitchell, Joseph Pagano, Nancy Raab-Traub, James Raleigh, R. Jude Samulski, Aziz Sancar, Ronald Swanson, Lishan Su, Jenny Ting, Ronald Thurman, Michael Topal, Terry Van Dyke, Jean-Michel Vos, Elizabeth Wilson, Bernard Weissman, and Yue Xiong.**

Candidates must be U.S. citizens or permanent residents. For an informational brochure or to apply (include curriculum vitae, three letters of recommendation, a statement of research interests and graduate school records), write to:

Joseph S. Pagano, M.D.
CB# 7295

UNC Lineberger Comprehensive Cancer Center
School of Medicine
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7295

UNC's Comprehensive Cancer Center is an Affirmative Action/Equal Opportunity Employer. Minority applicants are encouraged voluntarily to identify themselves.

ANNOUNCEMENTS

REQUEST FOR APPLICATIONS AVAILABLE

The Center for Indoor Air Research, sponsor of scientific research on a broad range of indoor air topics, has available its 1996-1997 Request for Applications booklet. Applications for January 1, 1997 funding must be received by June 1, 1996. For more information on the Center for Indoor Air Research and/or a copy of the Request for Applications booklet, call or write:

Center for Indoor Air Research
1099 Winterson Road, Suite 280
Linthicum, MD 21090
Telephone: 410-684-3777
FAX: 410-684-3729
Email: ciarinc@aol.com

COURSES & TRAINING

SHORT COURSE ON TIME-RESOLVED FLUORESCENCE SPECTROSCOPY

(Offered again due to blizzard)
March 18 to 21, 1996, Baltimore, Maryland
Center for Fluorescence Spectroscopy
University of Maryland School of Medicine

Topics include: principles of fluorescence, time- and frequency-domain measurements and instrumentation, data analysis, anisotropy, quenching, lifetime-based sensing, fiber optics, Forster energy transfer, infrared fluorometry, two-photon excitation, and fluorescence lifetime imaging and microscopy. For outline and registration form, contact: Mary Rosenfeld (coordinator) or Prof. J. R. Lakowicz, Department of Biochemistry, University of Maryland School of Medicine, 108 North Greene Street, Baltimore, MD 21201. Telephone: 410-706-8409; FAX: 410-706-8404; Email: cfs@sg.ab.umd.edu.

NEUROBIOLOGY AND DEVELOPMENT OF THE LEECH

August 11 to 31, 1996 at the Marine Biological Laboratory, Woods Hole. A course for graduate students, postdoctoral students, and independent investigators interested in applying diverse experimental approaches (electrophysiology, biophysics, cellular and molecular biology) to the study of the nervous system of a single organism. Studying the segmental nervous system and embryo of the leech, participants will master a variety of techniques that can be applied to most other preparations, including invertebrates. Limited to 12 students. Directors: Pierre Drapeau, McGill University, and Martin Shankland, Harvard Medical School. Application deadline: May 21, 1996. Course fee: \$1,500. Room and board available at no additional charge. For application and information, contact: Carol Hamel, Admissions Coordinator, Marine Biological Laboratory, 7 MBL Street, Woods Hole, MA 02543-1015. Telephone: 508-289-7401; Internet: admissions@mbi.edu; WWW: http://www.mbl.edu.

SUMMER INSTITUTE IN STATISTICAL GENETICS

June 6-18, 1996
North Carolina State University

The Institute will consist of a series of short courses aimed at geneticists wishing to acquire statistical skills as well as statisticians wishing to become acquainted with genetic applications. The courses will cover statistical aspects of population and quantitative genetics, sequence analysis, QTL mapping, and forensic calculations. Contact: Dr. B. S. Weir, Department of Statistics, North Carolina State University, Raleigh, NC 27695-8203, or visit WWW at http://www2.ncsu.edu/ncsu/CIL/stat_genetics.

MS/MBA IN BIOTECHNOLOGY

The University of Florida (UF) is now accepting applications for a new combined three-year program of study leading to an M.S. in the Biomedical Sciences and an M.B.A. in Business Administration. The program is designed for those wishing to work in the biotechnological industry as researchers/administrators. For information contact: Donna Duckworth, Ph.D., Director, Master's Programs, Molecular Genetics UF, Box 100266, Gainesville, FL 32610. Telephone: 352-392-0681.

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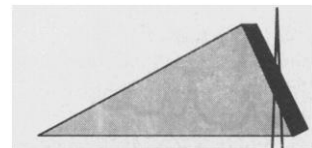


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