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**EMBL**
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The Division of Biological Sciences, University of California, Davis, invites applications and nominations for a tenure-track ASSISTANT PROFESSOR or tenured ASSOCIATE PROFESSOR in the Division’s Section in Evolution and Ecology. This position could include an initial appointment in the Agricultural Experiment Station. A Ph.D. (or completion) in biological sciences, mathematics, or a related field is required. Candidates are expected to have an outstanding, innovative research program in theoretical ecology that spans several levels, such as behavioral, population, and community ecology. While primarily concerned with mathematical models of ecological phenomena, candidates are expected to demonstrate a strong theoretical foundation. In addition, 2) submit a state-of-the-art data. Teaching responsibilities may include the under-graduate core course in ecology, part of the graduate core course in population biology, and specialized courses in theoretical ecology. Applicants should submit 1) a curricular vitae, 2) copies of published and in press manuscripts, 3) a description of current and proposed research interests, and 4) a summary of teaching interests and experience, and should have three letters of recommendation sent to: Dr. Katherine A. Toft, Chair, Theoretical Ecologist, Section in Evolution and Ecology, University of California, Davis, CA 95616-7855. Position is open until filled, but all application materials, including letters of recommendation, must be received by December 2, 1996, to be assured of full consideration. The University of California, Davis, is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to the development of a climate that supports equality of opportunity and respect for differences.

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Plant Evolution: We seek a broadly trained botanist who takes a phylogenetic approach to conceptual issues of plant evolution and diversity. Teaching could include graduate courses in plant phylogeny or phylogenetic methods and undergraduate courses in field botany, biodiversity, or conservation biology.

Applicants should submit a curriculum vitae and state ment of research and teaching interests, and the names of three letters of recommendation to be sent by 15 December 1996 to: Plant Evolution Search or Theory Search (specify), Department of Ecology and Evolution, University of New York, Stony Brook, NY 11794-5245. The State University of New York is an Affirmative Action/Equal Opportunity Educator and Employer.

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The University of Texas at Dallas, School of Natural Sciences and Mathematics

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The University of Texas at Dallas
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Faculty Position in Neuroscience

The Cognition and Neuroscience Program in the School of Human Development at the University of Texas at Dallas seeks candidates at the Associate or Full Professor level to complement its training and research programs. The appointment would begin with the 1997-98 academic year. Teaching in graduate and undergraduate programs is expected, and evidence of the ability to sustain an extramurally funded program is essential. We seek candidates with a primary research program in developmental neurobiology. Preference will be given to candidates with an interest in mnemonic, sensory, or other behavioral phenomena. However, strong candidates in all areas of neuroscience are encouraged to apply. The Cognition and Neuroscience Program has an interdisciplinary emphasis and brings together basic scientists utilizing neural, computational, and behavioral models. Outstanding candidates should send a curriculum vitae and a list of five references to: The University of Texas at Dallas, P.O. Box 830688—MP 1.2, Richardson, TX 75083-0688. Indication of sex and ethnicity for affirmative action statistical purposes is requested as part of the application but not required. Review of applications begins November 20, 1996, and will continue until the position is filled or the search closed. The University of Texas at Dallas is an Affirmative Action/Equal Opportunity Employer and strongly encourages applications from candidates who would enhance the diversity of the University’s faculty and administration.

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(Please indicate position number in cover letter as well.)
To ensure full consideration, applications should be received by December 1, 1996. Interviews may be conducted before the closing date, but no final decisions will be made before that time.

The University of Illinois at Urbana-Champaign offers an outstanding and exciting academic research environment including a Biotechnology Center providing subsidized state-of-the-art services in: hybridoma production, DNA and peptide synthesis, DNA sequencing, flow cytometry, electron microscopy, X-ray crystallography, and computer analyses.

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

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FACULTY POSITIONS
Tenure-track positions are available at the University of Medicine and Dentistry of New Jersey—School of Osteopathic Medicine for the following...

DEPARTMENT OF MOLECULAR BIOLOGY
ASSISTANT PROFESSOR POSITIONS
Applications are invited from candidates utilizing modern technologies to study issues applicable to the human condition. At this time, the department is especially interested in individuals whose research is in the areas of cancer, microbial pathogenesis, aging and molecular biology of retinal receptors and membrane fusion processes. The successful candidate will be expected to develop an independent, extramurally-funded research program and participate in the teaching of osteopathic medical students and graduate students. Exceptional salary, start-up and support packages are available to the successful candidates. Interested individuals should send their CV, a statement of research interests, and the names of three individuals willing to write a letter of reference to: Sal J. Caradonna, Ph.D., Chair, Department of Molecular Biology, UMDNJ-SOM, Two Medical Center Drive, Stratford, NJ 08084. Web address: www3.umdnj.edu/mobiweb/molebio.html.

DEPARTMENT OF CELL BIOLOGY
ASSISTANT OR ASSOCIATE PROFESSOR
Applications should have significant post-doctoral research accomplishments and demonstrated ability to attract extramural funding. Successful candidates will be expected to have a track record of research excellence and be able to establish independent research programs; interact with groups of researchers from a broad spectrum of disciplines related to cell biology, vascular biology, heart and lung disease, hypertension, tissue injury, inflammation and oxidant stress; and participate in medical and graduate teaching. Research interest in: 1) neurobiology; 2) cardiovascular biology; and 3) cell and molecular biology are preferred. Salary commensurate with qualifications. Applicants should submit a CV, a statement of future research interests and objectives and three letters of recommendation to:

Patrick Y-K. Wong, Ph.D., Professor and Chairman, Department of Cell Biology, UMDNJ-SOM, Two Medical Center Drive, Stratford, NJ 08084.

UMDNJ is an Affirmative Action/Equal Opportunity Employer, m/f/d/v, and a member of the University Health System of New Jersey.

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Postdoctoral Fellowships
The newly established Cancer and Developmental Biology Laboratory (CDBL), under the leadership of Dr. Colin L. Stewart at the ABL-Basic Research Program, has several POSTDOCTORAL FELLOWSHIPS immediately available. The Laboratory has two major areas of interest: 1) the role of growth factors in early mammalian development, and 2) the phenomena of genomic imprinting, particularly with regard to its involvement in regulating the cell cycle and cellular proliferation in the mammalian embryo.

We seek motivated individuals with a background in molecular biology. Experience in working with growth factors, cell cycle analysis, ES cell technology and mouse development would be an advantage.

The ABL-Basic Research Program at the Frederick Cancer Research and Development Center is located in Frederick, MD (45 miles north of Washington, DC) and offers a full complement of benefits, competitive postdoctoral stipends, and an excellent work environment. Please send a curriculum vitae, or resume, a brief description of research experience, and contact information for three references to:

Personnel Department/CDBL
ABL-Basic Research Program
NCI-FCRD
P.O. Box 8, Building 428
Frederick, MD 21702-1201

Previous applicants need not reapply

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At Millennium Pharmaceuticals, we’re not only asking medicine’s most pressing questions for the new Millennium, we’re answering them. By applying our expertise in genetics, genomics and bioinformatics, we’re identifying genes responsible for common, major diseases such as obesity, type II diabetes, oncology, CNS disorders, cardiovascular disease and asthma. Using this knowledge, we employ comprehensive approaches to understand how genes function in disease initiation and progression. We’re developing a new generation of diagnostic and therapeutic products capable of addressing major diseases at their root cause, rather than merely identifying and treating symptoms.

As a rapidly growing, publicly held genomics company with significant medical and academic affiliations and pharmaceutical partnerships with Hoffman-La Roche, Eli Lilly, Wyeth-Ayerst, and Astra, Millennium is clearly poised to become the world’s leader in gene-based drug discovery.

**BIOLOGY**

**Human Pathologist:** Primary responsibilities are to oversee efforts in molecular histology, lead tissue-based research in conjunction with ongoing NPI disease programs, establish liaisons with outside pathology consultants and serve as the interface with our tissue banking collaborations. MD or MD/Ph.D., residency in pathology and an understanding of molecular techniques required. **JOB CODE: 96-SHG Highlands**

**Postdoctoral Position-Vector Biology:** Utilizing your understanding of in vitro and in vivo systems, you will use viral-based systems for in vitro delivery of novel genes in experimental disease models for validation of their therapeutic potential, with an emphasis on human gene therapy applications. Ph.D. in Molecular Biology with 2-3 years’ working with viral-based systems. Experience with murine (or other animal models) desirable. **JOB CODE: 96-SHV VHB**

**Postdoctoral Position-Yeast Genetics:** This Post-doc will be a member of our yeast genetics group. The researchers primary focus will be to study G-protein coupled receptor signal transduction in yeast. Ph.D. required. Experience in the mating signal transduction pathway desired. **JOB CODE: 96-SHYG**

**Postdoctoral Position-Mouse Models:** We are looking for a postdoctoral fellow with experience in the generation and analysis of mouse models. Ph.D. required. **JOB CODE: 96-SHGMM**

**Postdoctoral Positions-Oncology:** We are seeking postdocs to identify new proteins that regulate apoptosis and elucidate the mechanisms of actions of genes involved in apoptosis. Ph.D. required. Lab experience in apoptosis, cancer or prostate fields is preferred. **JOB CODE: 96-SHG**

**COMPUTATIONAL BIOLOGY**

**Computational Structural Biologist:** Lead a group focused on the prediction of protein structure & function from primary sequence using computational methods. The group will interact with a well established bioinformatics group composed of software engineers, computer scientists & experimental scientists in molecular biology, cell biology, genetics and protein chemistry. The ideal candidate will have a background in computational & structural biology emphasizing protein structural, familial, and functional relationship. **JOB CODE: 96-SHGCBJ**

**BIOINFORMATICS**

**Computer Scientist:** Participate in expanding our genetic analysis tool set. Experience developing signal and image processing algorithms for noise reduction and pattern matching. Feature detection, anti-aliasing, and adaptive algorithms experience a plus. Must be capable of working collaboratively and delivering maintainable, production-quality solutions. Experience in object-oriented design and development (Smalltalk & GemStone experience a big plus) and relational database technology. Ph.D. in Computer Science, or MS plus 5-10 years’ postgraduate experience. **JOB CODE: 96-SHGC**

**GENOMICS**

**Human Genetics Associate Scientist/Lab Supervisor:** Responsibilities include laboratory management for our genotyping facility. The job requires a perspective on high-throughput experimental settings, a capacity for innovative development work as well as strong leadership skills. Familiarity with standard molecular biological techniques and strong computer and organizational skills required. An MS with 3-5 years’ experience preferred. **JOB CODE: 96-SHG**

**Statistical Geneticist:** Ph.D. with interest in parametric and non-parametric approaches to the analysis of complex traits. Ideal candidate will also have a strong interest and demonstrated experience in the area of genetic map construction and issues related to the analysis of linkage disequilibrium data. **JOB CODE: 96-SHGS**

We reward all individuals who sustain our collaborative process by providing them with a competitive compensation package that includes stock ownership. To apply, send your resume, indicating appropriate job code, to: Millennium, Human Resources, 640 Memorial Drive, 5th Floor, Cambridge, MA 02139; FAX (617) 225-0884.

Millennium seeks and cultivates a diverse workforce through equal opportunity employment and a collaborative team approach.

Visit our exhibit at:
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in San Francisco, CA
ANNOUNCING THE UNCF•MERCK SCIENCE RESEARCH FELLOWSHIPS

GRADUATE SCIENCE RESEARCH DISSERTATION FELLOWSHIPS

12 awards will be made in 1997.
Each award consists of
- FELLOWSHIP STIPEND UP TO $25,000
- DEPARTMENT GRANT UP TO $15,000

Applicants must be:
- African American
- Enrolled full time in a Ph.D. or equivalent doctoral program in the life or physical sciences
- A third- or fourth-year graduate student in the academic year 1997-98
- A U.S. Citizen or permanent resident.

For application packets, contact: Jerry L. Bryant, Ph.D., The College Fund/UNCF, 1-800-331-2244
Applications must be postmarked by January 15, 1997

“A mind is a terrible thing to waste.”

VIROLOGY DIRECTOR

Quality Biotech Inc., a leading, international biotechnology service company, engaged in contract research and biosafety testing for the biopharmaceutical industry, has an opening for Director of our Virology Group.

You will be responsible for supervising a number of established assays under strict compliance with GLP/cGMP guidelines and for the development and implementation of new assays using novel and emerging technologies. You will also manage our virology lab operations which includes duties such as protocol development, management of technical staff, data interpretation/analysis and serving as Study Director. In addition, you will support our technical sales effort and interact with clients and regulatory authorities.

Qualified candidate should have a Ph.D. in Virology or a related field plus five to eight years' relevant experience managing a laboratory staff, a record of independent scientific leadership and excellent communication skills. Familiarity with FDA regulations and biotech drug development process is desirable.

Quality Biotech is located in the Greater Philadelphia region—an area rich in scientific, cultural and recreational diversity. We offer excellent opportunities for professional growth, a competitive salary, relocation assistance, health benefits and 401(k) plan. Please send resume, and salary requirements, to: Quality Biotech Inc., Human Resources-VSC1096, 1667 Davis Street, Camden, NJ 08104. Fax: 609-342-8078 EOE

POSTDOCTORAL SCIENCE RESEARCH FELLOWSHIPS

10 awards will be made in 1997.
Each award consists of
- FELLOWSHIP STIPEND UP TO $40,000
- INSTITUTIONAL GRANT UP TO $15,000

Applicants must be:
- African American
- Appointed as a postdoctoral fellow during the 1997 calendar year at an academic or a non-academic research institution (private industrial laboratories are excluded).
- A U.S. Citizen or permanent resident.

Penn University of Pennsylvania

Faculty Positions in BIOINFORMATICS AND COMPUTATIONAL BIOLOGY

As part of a major new programmatic initiative, the University of Pennsylvania seeks outstanding candidates at all levels for tenure-track faculty positions in bioinformatics and computational biology. Applicants should have demonstrated qualifications in research in any area of computational molecular or cellular biology, or genomics, and a commitment to working in a strongly interdisciplinary environment involving biologists, computer scientists, mathematicians and statisticians. The successful applicant will participate in an ongoing training program in bioinformatics at the graduate and post-graduate levels, with an undergraduate program expected in the near future. Appointments are expected to be in the Department of Genetics, School of Medicine with secondary appointments in other departments and institutes, as appropriate. Letters of interest, CV, and names of references should be sent to:

G. Christian Overton, Ph.D.
Chair, Bioinformatics
Faculty Search Committee
Dept. of Genetics, CRB 475/6145
University of Pennsylvania
422 Curie Blvd.
Philadelphia, PA 19104-6145

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TIGR Science Education Foundation's Genomic Science Series

SMALL GENOMES: SEQUENCING, FUNCTIONAL CHARACTERIZATION, AND COMPARATIVE GENOMICS


Preliminary Agenda (All speakers confirmed except where noted)

Sunday, January 26, 1997

9:00 am - Noon  Plenary Session I: Whole Genome Sequencing and Biology of Microbial Organisms

Progress in microbial genome sequencing: an overview - J. Craig Venter, The Institute for Genomic Research

What have we learned from the sequence of Saccharomyces cerevisiae - Andre Goffeau, Universite Catholique de Louvain

Functional analysis of the genes in Saccharomyces cerevisiae - Bernard Dujon, Institut Pasteur

Complete genome sequencing of Helicobacter pylori - Jean-Francois Tomb, The Institute for Genomic Research

PCR-based analysis of DNA sequence diversity in the gastric pathogen, Helicobacter pylori - Douglas Berg, Washington University

Comparative genome analysis of the spirochetes, Treponema pallidum and Borrelia burgdorferi - Claire M. Fraser, The Institute for Genomic Research

Noon  Lunch

1:30 pm - 4:30 pm  Plenary Session II: Whole Genome Sequencing and Biology of Microbial Organisms

Completion of the Escherichia coli genome project - Fred Blattner, University of Wisconsin

Genome analysis of the Cyanobacterium synechocystis sp. PCC 6803 - Satoshi Tabata, Kazusa DNA Research Institute

Genome analysis of Methanobacterium thermoautotrophicum - Douglas Smith, Genome Therapeutics

Comparisons of the genomes of Mycoplasma genitalium and Mycoplasma pneumoniae - Richard Herrmann, University of Heidelberg

Phage transfer and the development of virulence in bacterial populations - John Melkonian, Harvard University

Interspecies recombination in nature: insights from the study of Neisseria gonorrhoeae - Brian Spratt, University of Sussex

6:00 pm  Conference Dinner

8:00 pm - 10:00 pm  Poster Session

Monday, January 27, 1997

9:00 am - Noon  Plenary session III: Microbial Ecology and Diversity

Who's out there in the microbial world: prospects for a global genome survey - Norman Pace, Indiana University

Genomic characterization of uncultivated marine archaea - Edward F. DeLong, UC Santa Barbara

Comparative genome analysis of the archaea, Methanococcus jannaschii and Archaeoglobus fulgidus - Hans-Peter Klenk, The Institute for Genomic Research

Monday, January 27, 1997 - continued

Complete Genome Sequencing of Aquifex strain V5 - Ron Swanson, Recombinant Biocatalysis

Discovery of recombinant biocatalysts from uncultured organisms and extremophiles - Eric Mathur, Recombinant Biocatalysis

Noon  Lunch

1:30 pm - 4:30 pm  Plenary Session IV: Progress Reports on Microbial Genome Sequencing Projects

Rickettsia prowazekii - Siv Anderson, University of Uppsala

Streptococcus pneumoniae - Brian Dougherty, The Institute for Genomic Research

The Bacteriobacter subtilis genome: from sequence to function - Antoine Danchin, Institut Pasteur

Neisseria gonorrhoeae - Bruce Roe (invited), University of Oklahoma

Mycoplasten rubiscosis - Robert Fleischmann, The Institute for Genomic Research

Mycoplasten rubiscosis - Bart Barrell (invited), The Sanger Centre

Deinococcus radiodurans - Owen White, The Institute for Genomic Research

Sequence analysis of Pyrobaculum aerophilum - Sorel Fitz-Gibbon, UCLA

Sulfobacter solfacarius - Christoph W. Sensen, National Research Council of Canada

Genome sequencing of Pyrococcus furiosus - Robert B. Weiss, University of Utah

Dinner on your own

8:00 pm - 10:00 pm  Concurrent Discussion Sessions (chosen from submitted abstracts—see abstract information below)

Tuesday, January 28, 1997

9:00 am - 12:30 pm  Plenary session V: Functional Genome Analysis

Non-genic features of the Haemophilus influenzae Rd genome - Hamilton O. Smith, Johns Hopkins University

Utility of Haemophilus influenzae Rd genome in understanding pathogenesis - Richard Moxon, Oxford University

Functional analysis of the minimal genome of Mycoplasma genitalium - Clyde Hutchison, University of North Carolina

Microbial proteome analysis - Ian Humphery-Smith, University of Sydney

Function and ancestry of gene products in E. coli - Monica Riley, Marine Biological Laboratories

Prediction of metabolic pathways from whole genome analysis - Peter Karp, SRI International

Metabolism and evolution of microbial species deduced from whole-genome analysis - Eugene Koonin, NCBI

12:30 pm  Adjournment

REGISTRATION: Your registration fee pays for conference materials and meals provided by the conference. All registrations must be accompanied by a check made out to the TIGR Science Education Foundation, Inc., or by credit card information.

Postmarked 9/2996 - 12/1996  Postmarked 12/2096 - on date
Individual  $500  $800
Student  $300  $500

Student registration must be accompanied by a letter from your thesis advisor.

ABSTRACTS: Abstracts will not be accepted by FAX or without a registration fee. Submit your abstract by email (ASCII only) to genome@tigr.org no later than November 15, 1996. You may also submit your abstract on a 3-1/2" disk with accompanying hard copy.

For additional information, updates, complete meeting logistics and a registration form, please contact our World Wide Web site:

http://www.tigr.org

OR Conference Office, TIGR Science Education Foundation, Inc., 9712 Medical Center Drive, Rockville, MD 20850-3319  301-838-3515 or 301-838-0229 FAX  genome@tigr.org

1997 Conference Co-chairs:  Claire M. Fraser, Ph.D., E. Richard Moxon, M.D., Bchir, FRCP
The Institute for Genomic Research  Hamilton O. Smith, Ph.D., University of Oxford
The Johns Hopkins University
The Department of Chemistry and Biochemistry at Arizona State University seeks applicants for a tenure-track ASSISTANT PROFESSOR with research interests in either supramolecular chemistry or environmental chemistry. Ph.D. in chemistry or related field required. Applicants must demonstrate potential for establishing a vigorous research program and excelling in teaching at the undergraduate and graduate levels. Candidates must send curriculum vitae, a list of publications, brief descriptions of research plans, and statement of teaching philosophy, and should arrange to have three letters of reference sent to: Professor Robert E. Blankenship, Chair, Faculty Search Committee, Department of Chemistry and Biochemistry, P.O. Box 871604, Arizona State University, Tempe, AZ 85287-1604. Review of applications will begin December 1, 1996, and continue until the position is filled. Arizona State University is an Equal Opportunity/Affirmative Action Employer.
From molecules to medicines. At the Schering-Plough Research Institute, scientists are discovering and developing the novel therapeutics that challenge humankind's most debilitating diseases. To continue this important work, we seek talented scientists to join a multidisciplinary group focused on molecular targets relevant to the discovery of novel agents for the treatment of infectious diseases and anticancer therapies.

**TUMOR BIOLOGY**

**Senior Scientist**
As a member of our in vivo modeling group, you will contribute to the ongoing evaluation of anticancer therapies targeting oncogene signal transduction, tumor suppressors and tumor progression. Qualifications include a PhD in Biochemistry, Pharmacology or Molecular Biology and 2-3 years of postdoctoral experience in the development of in vivo cancer models. Position also requires strong hands-on experience in molecular cloning, ES cell culture generation of transgenic and knock out models and histopathology. The ability to carry out an independent research program in a collaborative environment is necessary. To be considered for this position, please reference Dept. DD-96-51.

**Assistant Scientists**
We seek two Assistant Scientists to contribute to the development of in vitro systems for discovery and evaluation of novel cancer therapeutics targeting oncogene signal transduction and androgen-dependent growth of cancer cells. Positions require an MS degree with 2-3 years of strong hands-on experience in molecular biology including PCR techniques, cDNA cloning, and RNAase protection assays. Familiarity with bacterial, insect or mammalian protein expression systems and protein purification is required. Knowledge of enzymology is also highly desirable. To be considered for this position, please reference Dept. DD-96-55-56.

**Assistant Scientist**
We also seek an Assistant Scientist to contribute to the ongoing evaluation of anticancer therapies targeting oncogene signal transduction, tumor suppressors and tumor progression. To qualify, you need an MS in the Biological Sciences and at least 2 years of experience in tumor biology models. Technical expertise in cell culture and in vivo models (tumor implantation, dosing, surgery and histopathology) is required. Experience with molecular biological techniques is highly desirable. To be considered for this position, please reference Dept. DD-96-54.

**Assistant Scientist**
We also seek a Scientist to be responsible for the expression, purification and characterization of a variety of recombinant proteins. DNA cloning, DNA sequencing, RNAase protection assays, PCR, Nucleic Acid hybridization, cell culture and conducting bioassays. Position requires a Bachelor’s or Master’s degree in Biology or a related field and 2 years of experience with a variety of biochemical and molecular biological techniques. To be considered for this position, please reference Dept. DD-96-60.

**H.T.S.**

**Associate Scientist**
We seek a talented Biochemist to join a team of professional scientists involved in the implementation of automated high throughput screens for novel therapeutic entities. To qualify you need a BS in Biochemistry or a related discipline and 4-7 years or an MS and 2-4 years of experience. Background must include development of quantitative enzyme and/or receptor binding assays using state-of-the-art assay technologies. To be considered for this position, please reference Dept. DD-96-57.

**NATURAL PRODUCTS**

**Assistant Scientist**
We seek a talented Chemist to conduct bioassay-guided isolation and structure elucidation of drug candidates from marine, plant and microbial sources. The ideal candidate will possess a Master’s degree in Organic Chemistry with experience in or a desire to learn bioassay-guided natural products isolation, or a Bachelor’s degree in Chemistry with experience in natural products isolation. Excellent oral and written communication skills, the ability to collaborate with scientists from many disciplines, and a desire to learn the necessary skills to stay at the leading edge of new drug discovery are essential. To be considered for this position, please reference Dept. DD-96-58.

We offer an excellent compensation package including a competitive salary and comprehensive benefits. For prompt, confidential consideration, we invite you to forward a resume indicating the Dept. Code for your position of interest and salary requirements to: Human Resources-KB, Schering-Plough Research Institute, K-15-1, 2015 Galloping Hill Road, Kenilworth, NJ 07033-0539. We are an equal opportunity employer. We regret we are unable to respond to each resume. Only those selected for an interview will be contacted.
The Department of Genetics at North Carolina State University invites applications for a tenure-track position in experimental quantitative genetics at the level of ASSISTANT PROFESSOR. Preference will be given to applicants with a research program focused on the genetic basis of quantitative variation. Applicants should have a Ph.D. in genetics or a related field and postdoctoral experience. The successful candidate is expected to participate in departmental teaching, develop a strong externally funded research program, train graduate students, interact with research faculty on cross-disciplinary projects, and make contributions to the goals of the department. Further information about the Department of Genetics can be found at https://genetics.ncsu.edu/.

Molecular Geneticist and Developmental Biologist, Arizona State University, Main Campus

We invite applications for two TENURE-TRACK positions at the Assistant Professor level in the Department of Zoology, beginning fall 1997. Candidates for the molecular genetics position must have a primary research interest in molecular, developmental, or evolutionary genomics of eukaryotes. Candidates for the developmental biology position must use cellular, molecular, or genetic approaches to address fundamental problems in animal development or differentiation. Marginal qualifications such as, but not limited to, C. elegans, Drosophila, zebrafish, Xenopus, sea urchin, and mouse.

The successful candidate will join an expanding group of researchers at Arizona State University (ASU) who are committed to developing an interdisciplinary research environment to which the ASU Molecular, Cellular and Developmental Biology Group is dedicated. The successful candidate will be expected to establish an active research program, participate in graduate and undergraduate teaching, supervise graduate students in the Zoology or Molecular and Cellular Biology programs, and perform other duties appropriate for a professional service appropriate to rank. Arizona State University provides excellent research support including full staffed facilities for DNA sequencing and oligonucleotides, DNA sequencing and oligonucleotide synthesis, centrifugation, gel electrophoresis, DNA/RNA isolation, and an outstanding laboratory animal facility. Generous space and start-up funds are available.

A Ph.D. is required and postdoctoral experience preferred. Applicants must submit a curriculum vitae, copies of six representative publications, a one-page statement of teaching interests, transcripts of graduate work, reprints, and three letters of reference. Applications should be sent by February 1, 1997. For additional information about the Department, contact: Dr. Gary D. Wray, Chair, Department of Zoology, Arizona State University, Box 871501, Tempe, AZ 85287-1501. Ability to communicate in English is essential for all applicants.

The Cancer Research Center of Hawaii, an organized research unit of the University of Hawaii, invites applications for two positions at the level of ASSISTANT or ASSOCIATE RESEARCHER (PROFESSOR) level. An individual is sought to join the Natural Products Program, a multidisciplinary drug discovery group aimed at discovery and characterization of new anticancer agents. Applicants with an interest in angiogenesis are particularly encouraged to apply, although individuals with research interests in other areas of cancer pharmacology will also be considered. The successful candidate will be expected to contribute to a screening/drug discovery program as well as to an independent research group that will complement the existing program in natural products. Ongoing efforts exist in both the Environmental Sciences and in Biomedical Sciences and for graduate training. Applicants must have the M.D. or Ph.D. degree and (for appointment at the Associate level) a strong record of extramural funding and published research. To apply, send letter of application, curriculum vitae, statement of current and future research interests, and the names and addresses of three references to: Dr. Steven C. Stang, Director, Cancer Research Center of Hawaii, 1236 Lauhala Street, Honolulu, HI 96813. Inquiries: Telephone: 808-956-6031; Email: cvango@chmed.hawaii.edu. Closing date: December 1, 1996. Hawaii is an Affirmative Action/Equal Employment Opportunity Employer. Women and minorities are encouraged to apply.

BIOMOLECULAR BIOLOGIST

The Department of Biology, Hofstra University, invites applications for an ASSISTANT PROFESSOR tenure-track position. Teach introductory biology and an immunology course for majors and maintain an active research program. Ph.D. required; postdoctoral experience preferred. Please submit curriculum vitae, statements of teaching goals and research interests (including a short description of the research program) and three letters of reference to: Biology/Immunology Search, Dr. Dorothy E. Pumo, Professor and Chair, Department of Biology, 114s Hofstra University, Hempstead, NY 11550. Deadline: December 31, 1996. Equal Opportunity Employer, Minorities/Females/Disabled/Veterans.

BIOMOLECULAR BIOLOGIST

The Department of Biology at Georgia Southern University seeks applications for a tenure-track position in immunology at the ASSISTANT PROFESSOR level for Fall 1997.Preference is given to applicants who have teaching experience in immunology, genetics, and developmental biology. Georgia Southern University is an Affirmative Action/Equal Opportunity Employer and is eager to identify minority persons and women with appropriate qualifications.

RESEARCH ASSOCIATE/Assistant

The Department of Biology at Georgia Southern University seeks applications for a TENURE-TRACK faculty position in microbiology. Georgia Southern University is an Affirmative Action/Equal Opportunity Employer with a strong commitment to providing a quality education for all students.

ASSOCIATE PROFESSOR

The Department of Biology at Georgia Southern University seeks applications for a TENURE-TRACK faculty position in microbiology. Georgia Southern University is an Affirmative Action/Equal Opportunity Employer with a strong commitment to providing a quality education for all students.

ASSISTANT/ASSOCIATE PROFESSOR

The Wellman Laboratories of Photomedicine at the Massachusetts General Hospital, Harvard Medical School, invites applications from individuals with major research interests and experience in cell biology and desire to study the interaction of interacting environmental factors with cellular response. We seek individuals who conduct multidisciplinary research on the effects of UV, visible and IR radiation on cells and tissue and on the use of light to study biological systems. Current areas of interest include photobiology, photodynamic therapy, and DNA photochemistry. Laser-induced stress tracings and caviation, ablation, photothermy, in vivo confocal microscopy, and development of diagnostic and therapeutic uses of lasers. Applicants should have demonstrated record of accomplishment in research and obtaining peer-reviewed support. Please send a curriculum vitae, a brief statement of research plans, and names of at least 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, Minorities, women, and persons with disabilities are encouraged to apply.

BIOMOLECULAR BIOLOGIST

Tenure-track, Assistant/Associate Professor position for academic year beginning August 11, 1997, with summer teaching possible. Ph.D. and strong commitment to teaching required. Semester teaching load is 12 contact hours, including general microbiology, introductory molecular and cellular biology, and courses within a specialization, varying from medical, environmental, and diagnostic microbiology. Applicants must be willing to participate in a faculty recruiting committee, supervising research of graduate/master's students, and developing research program in area of specialization. Screening begins December 1, 1996 and continues until positions are filled. Please send curriculum vitae, a brief statement of teaching, research, and service interests, and names, addresses, telephone numbers, and E-mail addresses (if available) of at least three references to: Dr. David Saunders, Box 4050, Emory State University, Emporia, KS 66802. Office: www.emporia.edu/

ASSISTANT/ASSOCIATE PROFESSOR

The Department of Biology at Georgia Southern University seeks applications for a TENURE-TRACK faculty position in microbiology. Georgia Southern University is an Affirmative Action/Equal Opportunity Employer with a strong commitment to providing a quality education for all students.
SCIENCE AND MEDICINE AT FOX CHASE:
WHERE TODAY'S DISCOVERIES LEAD TO TOMORROW'S HOPE

Research conducted by scientists and physicians at Fox Chase for nearly seven decades has led to ground-breaking discoveries that have an impact on science and medicine today.

Current faculty research programs are wide-ranging and include gene expression; molecular aspects of oncogenesis; viral molecular biology and pathogenesis; molecular structure and function analysis; pharmacology and therapeutics; regulation and development of the immune system; cell cycle control; and human genetics, including the Human Genome Project.

An energizing environment in suburban Philadelphia with research as its major focus, the Center has more than 60 independent laboratories where investigators enjoy a unique advantage—to pursue their passion for discovery full-time, with minimal distractions by administrative or teaching responsibilities.

Tenure Track Faculty Positions:
At this time we are welcoming applications from outstanding independent investigators to fill Assistant and Associate Professor-level positions in the areas of genomics, human genetics, molecular epidemiology, and protein function and organization. We are especially interested in people using human or model experimental systems capable of addressing important biological questions and exploiting the expanding genomic resources. Fox Chase offers excellent shared laboratory and animal facilities such as transgenic mouse, hybridoma, tissue culture, cell sorting, confocal microscopy and high through-put DNA sequencing, and an extensive array of core resources and computer support services.

As a new faculty member, you will receive a generous start-up package including funds for equipment, technical assistance and operating expenses. You will have the opportunity to recruit postdoctoral trainees through an intramural, competitive program and to interact as an adjunct faculty member at nearby universities.

Interested candidates should send a C.V., summary of research interests and at least three references to: Search Committee, c/o Dr. A.M. Skalka, Director, Institute for Cancer Research, Fox Chase Cancer Center, 7701 Burholme Ave., Philadelphia, PA 19111.


Fox Chase Cancer Center is an Affirmative Action/Equal Opportunity Employer.

Discovery in Progress

At SmithKline Beecham, our commitment to scientific excellence results in products that promote health and well-being throughout the world. Because innovative research is critical to our ability to deliver new healthcare solutions, we are seeking gifted and focused scientists who are dedicated to discovery.

**Molecular Biologists**

The Department of Molecular Genetics has a challenging opportunity for a Scientist with molecular genetic experience. Responsibilities will encompass basic and applied research in a broad spectrum of therapeutic areas including hematopoiesis, bone, cardiovascular, pulmonary, renal, CNS and infectious diseases. Experience in standard RNA/DNA methodologies including recombinant DNA techniques, Northern and Southern blotting, Colony hybridization and PCR is required. Experience in the construction and screening of cDNA libraries and subtractive screening methodologies is preferred. Knowledge of computer systems or robotics is a plus. A Bachelor's degree with 3-5 years' experience or a Master's degree with 1-3 years' experience is required. Refer to Job Code H6-0498.

**Postdoctoral Scientist, Pharmacology**

We seek a scientist with a background in molecular and cell biology for our Pharmacological Sciences division. The scientist will investigate transcriptional regulation of cardiac and vascular smooth muscle function. This will entail conducting studies on the discovery of important and novel genes that are involved in the pathogenesis of vascular and cardiac remodeling as well as exploring the role of nuclear/orphan receptors in the control of gene transcription using mobility shift assays and two-hybrid systems.

Exploring the functional role of transcriptional activation of vascular and cardiac muscle will be a collaborative effort with intradepartmental and extradepartmental scientists. The ideal candidate will be intent on gaining recognition in the scientific community through publication of scientific results and participation in national meetings. A PhD in Molecular Biology, Biochemistry, Pharmacology or related discipline, 0-3 years' postdoctoral experience and knowledge of standard molecular biology techniques required. Experience with standard techniques in cell biology, biochemistry, in situ hybridization, yeast genetics, gene transfer techniques and a background in cardiovascular pathology is preferred. Refer to Job Code H6-CVED.

SmithKline Beecham offers a competitive compensation/benefits/relocation package as well as opportunities for growth in a scientifically intense environment structured around creativity, teamwork and commitment. Please send your CV to SmithKline Beecham Pharmaceuticals, Job Code _____, P.O. Box 2646, Bala Cynwyd, PA 19004. Indicating Job Code is essential. We are an Equal Opportunity Employer M/F/D/V.

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**SmithKline Beecham Pharmaceuticals**

Challenging the natural limits.
Northern Illinois University anticipates a tenure-track ASSISTANT/ASSOCIATE PROFESSOR position with a Ph.D. and postdoctoral experience required. Will be expected to develop a vigorous externally funded research program, direct graduate (M.S. and Ph.D.) students, and teach undergraduate courses.

Expertise should complement programs in microbiology with preference given to individuals working in the field of microbial pathobiology. Teaching will include a course in biological sciences and an advanced course in candidate’s area of expertise.

Send letter of interest, curriculum vitae, brief statement of research and teaching goals, and names of three references to: Dr. Richard C. Boyer, School of Pharmacy and Allied Health Professions, Box 2861, DeKalb, IL 60115-2861. Telephone: 815-753-1753; Fax: 815-753-0461; Email: mboyer@niu.edu. Affirmative Action/Employer.

ASSISTANT/ASSOCIATE PROFESSOR IN ANATOMY

Department of Physical Therapy
School of Pharmacy and Allied Health Professions
Columbia University, 622 West 168th Street, New York, NY 10032.

Columbia University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR IN ANATOMY

Department of Physical Therapy
School of Pharmacy and Allied Health Professions
Columbia University, 622 West 168th Street, New York, NY 10032.

Columbia University is an Equal Opportunity/Affirmative Action Employer.

DEPARTMENT HEAD, Chemistry: Eastern Michigan University invites applications for a faculty position at the rank of ASSOCIATE PROFESSOR.

The successful candidate will possess earned doctorate in a field of chemistry and have significant research and teaching experience at the university level. Strong capacity for excellence in research and teaching, and a strong commitment to the undergraduate education are required.

Applications should be sent to: Dr. David K. Stoll, Chair, Department of Chemistry, Eastern Michigan University, Ypsilanti, MI 48197. Review of applications will commence December 1, 1996. A complete resume, letter of application, and three letters of reference should be sent to: Dr. David K. Stoll, Chair, Department of Chemistry, Eastern Michigan University, Ypsilanti, MI 48197-2029. A nonsmoker, Affirmative Action Employer.

RESEARCH ASSOCIATE

Conduct research in the area of molecular biology. Refine recombination hot spot between D4S10 and D4S122. Other duties as assigned. Position requires proficiency in sequencing and molecular biology techniques. Education and experience: BS with major in molecular biology or related discipline. Experience in molecular cloning and DNA sequencing is required. Salary: $13,000.

Application procedures: Send resume and references to: Dr. A. Miller, Chair, Department of Chemistry, University of California, Los Angeles, CA 90095.

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Application procedures: Send resume and references to: Dr. A. Miller, Chair, Department of Chemistry, University of California, Los Angeles, CA 90095.
We are expanding our efforts in Bioinformatics and have several opportunities for positions in Seattle, Washington, Princeton, New Jersey and Wallingford, Connecticut.

Our mission is to accelerate the discovery of pharmaceuticals and ultimately impact world health care through application of computational molecular biology in all therapeutic areas.

We seek B.S./M.S. and Ph.D. level scientists with expertise in:

- Sequence and Structure Similarity Searching Human and Microbial Genome Analysis
- Computer Science and Algorithm Development Database Design and Implementation
- Scientific Programming and UNIX System Administration

If your experience is in alignment with our needs, please forward your resume, indicating preferred site to: Bristol-Myers Squibb Pharmaceutical Research Institute, Human Resources, Dept. BM-551, PO Box 11279, Trenton, NJ 08620-0279. Fax: (609) 581-8841. E-mail: http://www.bms.com. Equal Opportunity Employer, M/F/D/V.
Our research focuses on the discovery of novel inhibitors of capillary blood vessel formation that impact the therapy of cancer and other diseases. We emphasize innovation, multi-disciplinary problem solving, and teamwork.

**HIGH THROUGH-PUT SCREENING MANAGER**

The successful candidate will have several years of experience in implementing and managing a high throughput screening operation in molecular and cell-based assay screens of small molecule candidates. You must demonstrate the ability to design screening assays and to implement them into robotic systems. You should also have a high familiarity with robotic systems. We prefer a Ph.D. in a related area, such as organic chemistry, biochemistry or pharmacology. Ideally, you will also have demonstrated experience in building and formatting of compound libraries, and in large volume data handling and analysis. Response code: HTSM.

**HIGH THROUGH-PUT SCREENING TECHNICIAN**

We are looking for an individual with experience in conducting ELISA and/or cell-based assays including a strong familiarity with instrumentation. A BS degree in a related field and a minimum of three years of experience working with screening assays is required. Preference will be given to an individual with previous experience with robotic systems and computer data analysis systems. Response code: HTST.

**SENIOR SCIENTIST IN MOLECULAR BIOLOGY**

An innovative expert in the field of applied molecular biology is sought to become a key member of our expanding group. The candidate must have a Ph.D. in molecular biology with a minimum of three years post-doc experience in a leading molecular biology focused laboratory. You should be skilled in all aspects of modern molecular biology practices with demonstrated expertise in one or more areas of current "cutting edge" technology such as cellular signaling or cell cycle biology. You should have a strong desire to apply your skills toward innovative development of effective cancer therapeutics and demonstrate strong leadership potential coupled with highly developed communication skills. Response code: SSMB.

**SCIENTIST IN SYNTHETIC CHEMISTRY**

We are looking for a Ph.D. with a minimum of 3 years in medicinal chemistry with extensive experience in the preparation of protein-drug conjugates and small molecule combinatorial libraries. Post doctoral experience in synthetic and relevant analytical chemistry is essential. Response code: SSCS.
NIH Has A New Address

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

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

All from the convenience of your keyboard.

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

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

National Institutes Of Health
Office Of Education
http://helix.nih.gov:8001/oe/
The NIH is an Equal Opportunity Employer

THE 1997 LOUISA GROSS HORWITZ PRIZE

QUALIFICATIONS FOR THE AWARD

The Prize Committee recognizes no geographical limitations. The prize may be awarded to an individual or a group. When the prize is awarded to a group, the honorarium will be divided among the recipients, but each member will receive a citation. Preference will be given to work done in the recent past.

Prospective recipients should be nominated to the Chairman of the Louisa Gross Horwitz Prize Committee, Dr. David I. Hirsh. Nomination letters should include:

1. A summary, preferably less than 500 words, of the research on which this nomination is based.
2. A summary, preferably less than 500 words, of the significance of this research in the fields of biology or biochemistry.
3. A brief biographical sketch of the nominee, including positions held and awards received by the nominee.
4. A listing of up to ten of the nominee's most significant publications relating to the research noted under item 1.
5. A copy of the nominee's curriculum vitae.

An original and twelve (12) copies of each nomination should be sent to: Dr. David I. Hirsh, Chairman of the Louisa Gross Horwitz Prize Committee, Office of the Vice President for Health Sciences and Dean of the Faculty of Medicine, Columbia University, 630 West 168th Street, New York, New York 10032.

Deadline for the receipt of nominations is January 17, 1997.
REVOLUTIONARY SCIENCE.
UNPARALLELED OPPORTUNITY.

Opportunity/based on an outstanding synthe tic chemist to join our innovative team in drug discovery and development. You must be a dedicated experimentalist with a proven track record of achievement in organic synthesis, and a desire to become part of a multi-disciplinary team focused on drug targets in oncology, and cardiovascular disease. Requirements include a Ph.D in Organic or Medicinal Chemistry and 2-4 years of postdoctoral experience. Expertise in multi-step laboratory scale synthesis, purification, and structure elucidation, as well as excellent verbal and written communication skills, are essential. Job Code EC0M

Scientist/Molecular Virologist

You will be responsible for developing molecular detection methodologies for viruses and other infectious agents, as well as nucleic acid sequencing and genetic analytical techniques in the characterization of genes of interest. To qualify, you must be a bench scientist current in molecular virology literature and technology and possess a Ph.D in Molecular Virology. Experience utilizing molecular virological techniques such as nucleic acid sequencing, PCR and nucleic acid synthesis. Industry experience working under GLPs and familiarity with regulatory requirements for IND and licensing submissions will be a plus. Strong communication skills, as well as the proven ability to effectively supervise lab personnel, will be needed. Job Code EC2M

Join us and enjoy our exciting success and progressive benefit package that includes free health club membership, 3 weeks paid vacation, 6 weeks sabbatical after 6 years, fully paid medical/dental/vision coverage, and Company stock purchase opportunities for full time employees. For consideration, send your resume to Genentech, Inc., Human Resources Dept., Job Code G66-460, 460 Paseo del Rio, South San Francisco, CA 94080. If possible, please avoid bold, underlined or italic type faces. You may also e-mail your resume indicating Job Code to jobs@genentech.com (ASCII files only with a maximum width of 76 characters). Find out more about Genentech at www.genentech.com. Genentech is an Equal Opportunity Employer. We value the contributions of our diverse workforce.
WE’VE GOT CAREERS DOWN TO A SCIENCE.

With a new state-of-the-art facility in Research Triangle Park, North Carolina, Corning Bio provides the biotechnology and pharmaceutical industry with world-class process development and cGMP manufacturing for recombinant products. These services are provided for preclinical through commercial production allowing our client companies to leverage their capital by tapping into our process development and cGMP manufacturing capabilities. Join us in North Carolina as we put our clients’ products and your career onto the fast-track. We are currently recruiting for the following key positions:

■ **Senior Scientist, Cell Culture and Fermentation Process Development**

In this position, you will be responsible for the development of cell culture and fermentation processes for the manufacturing of biopharmaceuticals. You will also be involved with the transfer of these processes to Corning Bio’s cGMP manufacturing facility. Experience in computer monitoring and control of bioreactors is a plus. You should have a Ph.D. (or equivalent experience) in cell biology or microbiology and five plus years of relevant experience. *(Job Code: SC-301)*

■ **Senior Scientist, Purification Development**

In this position, you will be responsible for the development of processes for the manufacturing of biopharmaceuticals and the transfer of these processes to Corning Bio’s cGMP manufacturing facility. A Ph.D. (or equivalent experience) in biochemistry or protein chemistry is required. Five plus years of experience in protein purification and protein chemistry, along with knowledge in the areas of chromatographic methods, centrifugation, and ultrafiltration techniques is also required. Relevant cGMP experience will be considered a significant plus. *(Job Code: SC-302)*

Please send resume and job code to: Corning Bio, Director-Human Resources, P.O. Box 13865, Research Triangle Park, NC 27709-3865; or FAX: (919) 468-9076. PRINCIPALS ONLY. EOE.

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POSTDOCTORAL POSITION

**Wound Healing**

Johnson & Johnson, the world's largest health care corporation and a leader in wound healing research and development, seeks a first class candidate for a two-year postdoctoral program at its Wound Healing Technology Resource Center in Skillman, NJ, right outside of Princeton in Central New Jersey. The post is with a specialist team of 12 scientists with skills in biochemistry, cell biology, molecular biology, pharmacology, histopathology and wound healing biology.

Candidates should be strongly self-motivated, confident and experienced in areas related to connective tissue biology and preferably, wound healing. A Ph.D. in the biological sciences or equivalent is also required, and knowledge of techniques of molecular and cellular biology would be desirable. Applicants experienced with relevant animal models are especially encouraged to apply.

For consideration, send your CV to: Johnson & Johnson Recruiting, Dept. 985, P.O. Box 16597, New Brunswick, NJ 08906-6597. We are an equal opportunity employer and value diversity in the workplace.

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**PARKE-DAVIS**

The Freedom to Discover.

**Biomolecular NMR Spectroscopy**

Parke-Davis Pharmaceutical Research Division of Warner-Lambert Company is seeking an outstanding senior level scientist to join our established Biomolecular NMR Spectroscopy Effort. The successful candidate will lead an experienced group of NMR Spectroscopists to develop and apply multidimensional NMR methods to the study of biological targets and ligands in the discovery of new drug substances.

Structural biology studies are conducted by an interdisciplinary team of scientists at Parke-Davis. As a result, collaborations with scientists in computer modeling, biochemistry, molecular biology, pharmacology and protein purification are an important component of this position. Parke-Davis Scientists have enjoyed a productive relationship with Biophysics Research Division Faculty at the nearby University of Michigan. External collaborations and publication of scientific results are strongly encouraged.

Our laboratory facilities are equipped with 2 NMR spectrometers (Bruker DRX600 and Bruker AMX500) dedicated to protein structural studies and an extensive Silicon Graphics-based computer network. In addition, instrument time on a 600 MHz NMR is reserved at the University of Michigan.

A Ph.D. in Biochemistry, BioPhysics, Chemistry or a related field along with an extensive track record in the application of multidimensional NMR methods to study biomolecules are required. Ten plus years experience beyond Ph.D. is also required.

Members of the Parke-Davis team enjoy competitive salaries, benefits and career growth potential. Interested candidates should please send, fax or e-mail a CV and a list of three references to: Parke-Davis Pharmaceutical Research Division, Human Resources Department, BOX: RB-96173, 2800 Plymouth Road, Ann Arbor, MI 48105. Fax: (313) 998-3394. E-mail: resume@aa.wl.com.

Equal Opportunity in action. Smoke-free work environment.
Postdoctoral positions are available in the laboratories of Drs. Gerard Grosveld and Alessandra d’Azzo.

Dr. Grosveld’s lab studies the role of chromosome translocations in human myeloid leukemias. Fusion proteins encoded by these translocations are being analyzed biochemically and genetically, using in vitro systems, as well as transgenic and knockout mouse models. Currently, the primary focus of the work is the identification of transcriptional pathways that are disturbed by these fusion proteins and which contribute to myeloid leukemogenesis.

Dr. d’Azzo’s lab studies a complex of three lysosomal enzymes which are individually deficient in clinically distinct neurodegenerative metabolic disorders. In addition to examining the biochemical and structural properties of the individual enzymes and the complex, transgenic and gene targeting, technology is being used to create mouse models for these diseases. These animal models are being used for experimental gene therapy approaches that may eventually lead to the cure of these and other lysosomal storage disorders in children.

These postdoctoral positions are ideally suited to someone with a biology background, who has recently obtained a Ph.D. and/or M.D. with laboratory experience, and who would like to pursue training in molecular genetics.

St. Jude provides an ideal research environment with strong and highly interactive research programs in biochemistry, developmental neurobiology, experimental oncology, genetics, immunology, molecular pharmacology, structural biology, and tumor cell biology. These positions provide an outstanding opportunity for training in molecular genetics.

Interested candidates should send a Curriculum Vitae and three letters of reference to either Gerard Grosveld, Ph.D. or Alessandra d’Azzo, Ph.D., Department of Genetics, St. Jude Children’s Research Hospital, 332 North Lauderdale, Memphis, TN 38101, USA.
Postdoctoral Positions in Cancer Genetics
National Center for Human Genome Research (NCHGR)
National Institutes of Health (NIH)
The NCHGR located on the Bethesda MD campus of the NIH is applying genome information and technology to the study of human genetic disease including cancer. The Laboratory of Cancer Genetics (LCG), dedicated to the investigation of fundamental questions in contemporary cancer genetics and molecular and is now recruiting postdoctoral fellows with research interests and training in molecular biology and cellular biology.

Physical Mapping of Disease Gene Loci and Molecular Genetic Analysis of Tumor Progression
Jeffrey M. Trent, PhD and Paul S. Meltzer, M.D., Ph.D.
Areas of training include the molecular identification by physical mapping of genes important in the biology and development of hereditary forms of common cancers including emphasis on prostate cancer. Also, genetic mechanisms of cancer progression are being studied using a variety of molecular genetic and molecular cytogenetic approaches, such as FISH, CGH, chromosome microdissection, and a focus on applications of cDNA microarray technology for genome-wide screening of gene expression. Positions are available which emphasize molecular, biochemical, and molecular cytogenetic approaches to these problems.

If you hold a graduate degree (e.g., PhD, MD/PhD) or a professional degree (MD, DO, DDS, DMD, DVM) and less than five years previous postdoctoral experience, and would like to be considered for one these positions, please send a cover letter, curriculum vitae, bibliography, and statement of research interests to: Sharon McFadden 49 Convent Drive MSC 4470 / NIH - 49 4A38 / Bethesda, MD 20892-4470. In addition please arrange to have letters of recommendation sent from three scientists who can provide an evaluation of your qualifications.

-NIH is an equal opportunity employer-

Molecular Biologist
You will develop novel strategies to improve gene expression from our plasmid-based systems. Your expert understanding of gene structure and expression in eukaryotic cells and exceptional molecular biology skills will have broad application throughout our product development programs.

The successful candidate will have demonstrated significant achievement in the field. You will have an excellent publication record, a Ph.D., and at least 3 years of relevant postdoctoral academic or industry experience. Experience in eukaryotic genetics is highly desirable. Experience working effectively within interdisciplinary teams is preferred. You will provide the Company with intellectual leadership and you will have excellent written and verbal communication skills.

GENEMEDICINE, INC. offers career growth and a highly competitive compensation and benefits package. For confidential consideration, please send resume to: GENEMEDICINE, INC., Human Resources, 8301 New Trails Drive, The Woodlands, TX 77381-4248. Fax: (713) 364-0858. EOE.

We have a challenging opportunity for a proactive professional to join us at our headquarters in Des Moines, Iowa as:

PROJECT MANAGER/ USER SERVICES
We're seeking a strong project manager to coordinate the Life Cycle Information Management User Services staff supporting the Research and Product Development division. You'll provide leadership of end-user computer support and training activities while directing the adoption and implementation of information technologies. We require 6+ years' experience managing computer support in a research environment and an ability to work with individuals with competing priorities. Able to communicate complex information clearly, you understand traditional plant-breeding methodologies, molecular biology technologies and their application to product development. PC familiarity is also required, and an advanced degree in plant breeding, genetics or agronomy is preferred. Coursework in computer science, statistics or molecular biology is desirable.

We offer a competitive salary and excellent, comprehensive benefits such as 401(k), tuition and relocation reimbursement, and more. Des Moines is a prospering heartland city that ranks well above the national averages in affordability and education. Our location provides a mix of beautiful open spaces and city life advantages. For confidential consideration, please send 3 copies of your resume and cover letter indicating job number by Nov. 8, 1996 to: Jon Day, Job #96-0073, Pioneer Hi-Bred International, Inc., 4445 Corporate Drive, Box 65000, West Des Moines, IA 50265-5000.

Pioneer Hi-Bred International, Inc. is the world leader in agricultural genetics. Founded in 1926, we are a publicly held company that invests more than $115 million in research and product development. Pioneer brand products are grown on almost every crop producing continent in the world.

Pioneer is an equal opportunity employer M/F/D/V. Scannable resumes preferred
ASSISTANT/ASSOCIATE PROFESSOR POSITIONS
BEGINNING ACADEMIC YEAR 1997-98

Landscape Ecology/ Landscape Architecture

An assistant professor position is available beginning in academic year 1997-98 for a person qualified to offer graduate-level instruction in freshwater/landscape ecology as well as in landscape architecture/landscape planning. This full-time position may be filled for a fixed initial term, normally of three years, with responsibilities for teaching and scholarship. Candidates should have a record of scholarly research productivity on land-water interactions, an ability to relate research to the design professions, and some teaching experience. A Ph.D., a professional degree in landscape architecture/planning, and published research in ecology with a focus on streams, rivers, wetlands, or lakes are preferred but not required.

Applications are invited before 1 December 1996 on the application forms available from:
Office of Faculty Planning, Harvard University Graduate School of Design, 48 Quincy Street, Cambridge, MA 02138, Tel (617) 495-5409; Fax (617) 496-5310.

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

FACULTY POSITION
Developmental Biology

The Department of Biological Sciences at the University of Pittsburgh anticipates making, subject to budgetary approval, one full-time tenure-track faculty appointment in the area of developmental biology, beginning September 1997, to continue expansion of the Department. Applicants studying molecular mechanisms of animal development using a model genetic system are especially encouraged to apply. This appointment is expected to be made at the Assistant Professor level, but under exceptional circumstances experienced candidates with outstanding records will be considered at higher rank. The successful candidate must have a Ph.D. and extensive postdoctoral experience and will be expected to establish an extramurally funded research program, train graduate students, and participate in undergraduate education. In order to ensure full consideration, applications must be received by December 2, 1996. Applicants should send a curriculum vitae along with a summary of research interests and goals, and should arrange to have at least three letters of reference sent to:

Dr. Richard Carthew
Developmental Biology Search Committee
Department of Biological Sciences
University of Pittsburgh
Pittsburgh, PA 15260
Telephone: 412-648-7687

The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.

THE GEORGE WASHINGTON UNIVERSITY
DEVELOPMENTAL NEUROBIOLOGY

Applications are invited for a tenure-track Assistant/Associate Professor position in the Department of Anatomy and Cell Biology. The basic science departments of the GWU Medical Center have expanded interdisciplinary research and graduate programs through the GWU Institute for Biomedical Sciences (in conjunctions with the Holland Laboratories of the American Red Cross, Children's Research Institute of the Children's National Medical Center, and the Columbian School of Arts and Sciences). The successful candidate will find wide collaborative opportunities in the institute.

The successful candidate will be an outstanding investigator with potential to develop a vigorous, externally funded research program in the field of Developmental Neurobiology. Areas of research that are of particular interest include developmental gene expression, neural transplantation, neurotransmitters, and signal transduction. The candidate is expected to utilize modern cell and molecular biology techniques. The successful candidate will have teaching responsibilities in the medical curriculum (either Gross Anatomy, Microscopic Anatomy, or Neurobiology) and will participate in the interdepartmental graduate programs in Neuroscience, Genetics, or Molecular/Cellular Oncology. Faculty rank and salary commensurate with prior experience.

Applicants should send a letter of intent; a detailed statement of research goals and teaching expertise; curriculum vitae; and the names, addresses, and telephone numbers of four references to:

Dr. Jeffrey M. Rosenstein
Chair, Search Committee
The George Washington University Medical Center
Department of Anatomy and Cell Biology
2300 I Street, NW, Washington, DC 20037

Review of applicants will commence on November 18, 1996, and will continue until position is filled.

The GWU is an Equal Opportunity/Affirmative Action Employer. Women and minority applicants are encouraged to apply.

RESEARCH SCIENTISTS
MOLECULAR GENETICS OF AGING

Aeiveos Sciences Group (ASG) is a biotechnology company dedicated to elucidating the molecular mechanisms of aging and applying this knowledge to reducing the negative impacts of aging on human health. Immediate openings exist for talented, highly motivated Ph.D. scientists, preferably with 0-3 years of relevant postdoctoral experience, in the following positions:

Molecular Geneticist to carry out high-throughput genotype analysis for complex traits using current molecular biology techniques and robotics technology. (Reference Code: CNT)

Molecular Biologist to conduct research on molecular mechanisms of aging and caloric restriction. This position will involve cloning, analysis of differential gene expression, and characterization of aging-associated genes. (Reference Code: PCS)

Molecular Biologist to investigate pathways of oxidative stress in a mouse model. Candidates with experience in transgene technology, biochemistry, or a veterinary degree will be preferred. (Reference Code: RML)

Molecular Biologist to study mechanisms of oxidative stress using a primary cell culture model. Experience in oxidative stress, molecular biology, and tissue culture required. (Reference Code: NAP)

Qualified candidates should send a CV and names and contact information for three references to: Human Resources, Code: (see above), Aeiveos Sciences Group, P.O. Box 31083, Seattle, WA 98103-1083.
**MOLECULAR BIOLOGIST - PH.D.**
**JOB CODE - MB**

Vertex is seeking a highly motivated Scientist to join our Molecular Biology group and pursue studies relevant to our drug development programs. Our interests currently center on the exploration of drugs that affect inflammatory and antiviral processes, but the qualified individual should be able to design and execute experiments in a fast-paced atmosphere that relies on creative approaches to general biological problems. We seek an individual with expertise in basic molecular biology techniques and who has worked extensively with a mammalian system. Familiarity with animal models of inflammation, molecular virology, eukaryotic cell culture, transgenic animals, ribozymes or antisense technologies would be an asset. The successful candidate will have a Ph.D. in the biological sciences and at least three years of postdoctoral experience. A track record of independent productivity reflected in a body of critically reviewed publications is also necessary.

**PROTEIN BIOCHEMISTRY/BIOPHYSICAL CHEMISTRY - PH.D.**
**JOB CODE - PB**

We are seeking an individual with a Ph.D. in Physical Chemistry, Biophysical Chemistry or Protein Biochemistry who will assist in the expansion of our protein purification effort and or biophysical analysis of proteins in support of our ongoing scientific projects. You will be responsible for evaluating protein structural integrity and optimizing in vitro protein folding pathways for large scale preparation of protein targets. In addition, you will characterize the thermodynamic parameters associated with protein-ligand binding. Successful candidate will have at least 2 years of full-time post-doctoral experience in protein purification and physical characterization and extensive experience using modern optical spectroscopic (CD fluorescence, FTR) and calorimetric methods for investigating protein structure-function relationships. Experience characterizing the thermodynamic consequences of protein-protein and protein-ligand interactions is essential. Candidate must be fluent in the theory of enzyme kinetic characterization and thermodynamic interpretations. Test the boundaries at Vertex, and find the rewards only a leader can deliver, such as a stimulating work environment, highly competitive salaries and excellent benefits. Please send your resume, indicating job code, to: Vertex Pharmaceuticals Inc., Recruiting Manager, 130 Waverly Street, Cambridge, MA 02139-4211, Fax: (617) 577-6646; email: recruiting@vpharm.com. Visit our home page at www.vpharm.com. Equal Opportunity Employer.

**RESEARCH SCIENTIST**

Energy BioSystems Corporation is searching for an experienced RESEARCH SCIENTIST to join our biotechnology company specializing in the application of enzyme systems for the fossil fuel industry.

**DUTIES OF SUCCESSFUL CANDIDATE:**
- Plan and execute research to express genetic elements of a multi-step biodiesel biocatalyst pathway.
- Develop an independent program to construct and characterize recombinant microorganisms capable of sulfur removal from heterocyclic compounds.

**REQUIREMENTS OF POSITION:**
- Ph.D. in Molecular Genetics, Molecular Biology or related field.
- 3+ years of postdoctoral and/or industrial experience.
- Significant publication record.
- Extensive experience in gene expression involving heterologous microbial hosts.
- Broad and thorough understanding of microbial biosynthetic/degradative pathways.

Please send resume and cover letter stating the name of the position, job number 96-082 and relevant references to Human Resource Manager.

**ENERGY BIOSYSTEMS**
4200 Research Forest Drive
The Woodlands, Texas 77381

No Phone Calls
EOE M/F/V/H

**Postdoctoral Opportunity**

**Immunology**

Hoffmann-La Roche's dedication to the future is evident in our commitment to the research, development and manufacture of pharmaceuticals worldwide. We currently have a postdoctoral position available for a dedicated immunologist to join the Immunology Department at our U.S. headquarters in Nutley, New Jersey.

In this position, you will study the peripheral T cell tolerance and autoantigens involved in the development of rheumatoid arthritis and multiple sclerosis using humanized MHC class II and TCR Tg mice. The successful candidate will possess enthusiasm about the field of science and have a Ph.D. and experience with animal works, molecular biology and cellular immunology.

We offer an attractive salary and benefits package in a state-of-the-art work environment. For consideration, please send your c.v. and names of references to: Ms. Stella M. Strazdas, Hoffmann-La Roche, Dept. 65S16K1, 340 Kingsland Street, Nutley, NJ 07110-1199. No phone calls please. **PRINCIPALS ONLY.** We are an equal opportunity employer.

**Hoffmann-La Roche**
A Member of the Roche Group
The Center for Aquatic Ecology (CAE) invites applications for a career-track position at the ASSISTANT PROFESSIONAL, SCIENTIST level. The successful applicant will conduct research relating to the fisheries and aquatic ecosystems of the Lake Michigan ecosystem. Duties will include sampling programs for Lake Michigan fish and invertebrates (current staff of 12) and facilities of the Lake Michigan Biological Station, Zion, Illinois. Candidates must hold a Ph.D. in an appropriate discipline by date of appointment, must be capable of independent research, and will be expected to develop a strong, externally funded research program that complements existing strengths in CAE. Experience working on large systems of fisheries and aquatic biology and dedicated research is preferred. The Illinois Natural History Survey (INHS) is located on the Urbana-Champaign campus of the University of Illinois. The ten CAE scientists conduct self-directed research on a broad range of aquatic topics. In addition, candidates must be capable of supervising technical staff and students. Applications should be sent to Dr. Steven Kohler, Telephone: 217-244-2113; E-mail: skohler@uiuc.edu. The center is an equal opportunity/affirmative action employer.

ENVIRONMENTAL SPECIALIST III
Position Number 43010694
Palatka, Florida—Minimum $27,760. This is a professional position working with a large wetland and lake restoration project. Duties include coordinating technical and scientific aspects of the Lake Restoration Project, developing and managing technical research contracts; analyzing and interpreting data; and preparing technical reports. Qualifications include a Bachelor's degree in chemistry, biology, biology, botany, or environmental science and four years of professional experience in the environmental field. An advanced degree can substitute for a portion of the required experience. Preference will be given to applicants possessing advanced training and experience in water quality chemistry, water quality monitoring, wetlands ecology, and technical project management. Send resume identifying source of ad and position number by November 30, 1996 to: FWS—Regional Water Management District, Office of Human Resources, P.O. Box 1429, Palatka, FL 32178-1429, Equal Employment Opportunity/Veterano Preference/Drug-Free Workplace.

POSTDOCTORAL FELLOWSHIPS
MOLECULAR GENETICS
POSTDOCTORAL POSITIONS are available to work on (i) the germline mutation process and its relationship to evolution and genetic disease (sample reference: Trends in Genet., 11:141); and (ii) the development of improved methods for finding and analyzing mutations in humans (Science, 244:331; Hum. Mol. Genet. 5:107). Clinical Molecular Geneticist: City of Hope is making a major commitment to move forward in its efforts to develop the genetics of human disease. Positions are available to work on clinical genetics and research genomics. Send curriculum vitae and three letters of reference to: Steve Somner, M.D., Ph.D., City of Hope, 1500 East Duarte Road, Duarte, CA 91010. FAX: 818-301-8448; Email: somner@hope.com.

POSTDOCTORAL FELLOWSHIPS (available U.S. citizens/permanent residents) to address issues of signal specificity for G-protein coupled receptors. Research efforts involve a multifaceted approach utilizing tools for molecular biology, pharmacology, biochemistry, and physiology. The goal is to identify determinants of signaling specificity and to define the receptor's microenvironment. Send curriculum vitae and three letters of reference to: Stephen M. Lanier, Ph.D., Department of Molecular Pharmacology and Neuroscience, The University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425. An Equal Opportunity/Affirmative Action Employer.
New York University

Faculty Position
Department of Biology

The NYU Department of Biology is continuing a long-term program of expansion and development. A senior position is currently available (subject to final budgetary approval), in the area of cellular and molecular physiology. Outstanding candidates in other areas or in junior faculty positions will also be considered. Candidates are expected to have active, externally-funded research programs and to participate in the department's teaching activities at both the undergraduate and graduate levels. The department offers an excellent research environment with a strong molecular focus, substantial start-up packages and modern laboratory facilities. Application letter with curriculum vitae and three letters of reference should be sent to: Chairman of the Search Committee, Department of Biology, New York University, 1009 Main Building, Washington Square, New York, NY 10003.

NYU encourages applications from women and members of minority groups.

CYTEL GLYCOTECHNOLOGY

Cytel Corporation, a leading biotechnology company located in San Diego, CA, is developing products under several core technology platforms. Cytel's clinical development programs are focused on immunotherapeutics for serious human disease. Our Glycotechnology Business Unit is dedicated to the development, manufacture and commercialization of bioactive carbohydrate products.

We are currently seeking entrepreneurial, technically skilled individuals who can work effectively in the highly interactive and collaborative team environment of our Glycotechnology Business Unit.

GROUP LEADER (Molecular Biology/Protein Expression)

We are seeking a Group Leader of Molecular Biology/Protein Expression to lead an interdisciplinary group dedicated to the design and optimization of recombinant protein expression systems for production of enzymes used in Cytel's manufacturing of bioactive carbohydrates. Knowledge of current molecular cloning technologies and construction of expression vectors is required. Industry experience in the expression and production of recombinant proteins in bacterial, yeast, filamentous fungus, insect cell and mammalian cell expression systems is highly desirable. Knowledge of GMP procedure and documentation is also valued. Candidates must have a PhD and at least 3 years experience in recombinant protein production. (Job Code: GL-5)

STAFF SCIENTIST (Biochemist)

The ideal candidate will be a versatile Biochemist to develop purification methods for recombinant enzymes used in manufacturing carbohydrate products. Other responsibilities will include development of new enzyme assays and optimizing reactions involving enzymatic synthesis of carbohydrates. Industrial experience in developing and scaling up purification protocols for recombinant proteins is highly desirable. Molecular biology skills are considered a strong positive. The successful applicant is expected to have a PhD and 2 years postgraduate experience. (Job Code: SS-5)

Cytel offers a challenging environment, a competitive salary and benefits program, as well as stock options. Qualified candidates please send your resume to: Cytel Corporation, Attn: Human Resources, (Insert appropriate job code), 3525 John Hopkins Court, San Diego, CA 92121-1121. EOE.

UNIVERSITY OF CONNECTICUT

PROFESSOR/DEPARTMENT HEAD
DEPARTMENT OF MOLECULAR AND CELL BIOLOGY, UNIVERSITY OF CONNECTICUT

The University invites nominations and applications for the position of Head, Department of Molecular and Cell Biology. The Department has 32 faculty members, over 130 graduate students, and a substantial level of external research funding. The University is located in a scenic rural community convenient to several major urban centers.

The Department seeks a distinguished scientist, committed to excellence in research and teaching, to provide dynamic and innovative leadership. Enthusiasm, dedication, wisdom, and prudent managerial skills will be required to foster the continued development of molecular and cell biology at the University.

Research areas of the faculty include biochemistry, biophysics, biotechnology, cell biology, genetics, microbiology, and plant molecular and cell biology. University resources include a Biotechnology Center (providing a range of core facilities in molecular and cellular areas); an electron microscopy facility; computer center; and mass-spectrometer, NMR, and x-ray diffraction capabilities.

Construction of a new building for the Department is projected to begin in a year.

Nominations and applications, including a resume and names and addresses of at least three individuals willing to provide evaluatory comments, should be sent to: Professor Timothy J. Killeen, College of Liberal Arts and Sciences, Dean's Office, U-98, University of Connecticut, Storrs, CT 06269-2098. Review of applications is expected to begin on November 1, 1996 for an appointment beginning July, 1997. Department Homepage address: http://www.lib.uconn.edu/MB/MB_dept/MCB_homepage.html Please encourage applications from under-represented groups including minorities, women, and people with disabilities. (Search #97A111)

DIRECTOR
BOARD ON RADIATION EFFECTS RESEARCH

The NATIONAL RESEARCH COUNCIL (NRC), operating arm of the National Academy of Sciences, National Academy of Engineering, and the Institute of Medicine, is seeking a Director to manage the Board on Radiation Effects Research (BRER). BRER performs studies (requested and sponsored by a variety of federal agencies) on the biological effects of exposure to ionizing and nonionizing radiation and manages the NRC participation in the Japanese/American Radiation Effects Research Foundation (RERF) located in Japan. Responsibilities include securing and budgeting funds that support the BRER studies, recruiting scientists to serve as committee members and staff at the NRC; and scientific and administrative monitoring and control of studies performed by BRER at the NRC. Requires a Ph.D. or equivalent in epidemiology, biostatistics, radiation biology, biophysics, or other radiation-related field; at least 8 years experience in scientific research/administration; and expertise concerning cancer causation. Applicants must be familiar with a wide-range of scientists involved in radiation effects research. Salary is competitive and the NRC maintains an excellent benefits program.

Applications and salary requirements should be forwarded by November 30, 1996 to: NRC/CLS-PG, NAS 343, 2101 Constitution Avenue, NW, Washington, D.C. 20418. EOE.
POSTDOCTORAL POSITIONS in Vaccine Development: human rhinoviruses are engineered to display immunogens from other pathogens, with a large focus on HIV-1. Combinatorial libraries of chimeric viruses are immunized to create vaccines with the ultimately reconstructed foreign immunogens. Single chain Fv's are also being engineered as alternative vaccines for vaccine development. 2) Crystallographic structure determination and refinement, structure-based drug design; HIV-1 reverse transcriptase (RT) and drug-resistant mutants are being studied (in collaboration with the laboratory of Stephen Hughes at NCI-Frederick) with and without bound nucleic acids (DNA duplexes and RNA-DNA template-primers) and diverse inhibitors. Structure determination of other proteins and viruses is also ongoing. Our laboratory at the Center for Advanced Biotechnology and Medicine (CABM) has state-of-the-art facilities for crystallography, protein chemistry, molecular biology, virology, and molecular modeling. Send curriculum vitae and names and addresses of three references to: Education @ CABM and RT D. Arnold, Department of Biological Chemistry, Rutgers University, 679 Hoes Lane, Piscataway, NJ 08854-5638. Telephone: 908-235-3323 and/or 908-235-4534; FAX: 908-235-5788; Email: arnold@cabm.rutgers.edu or farnold@mbd.rutgers.edu; CABM web page: http://www.cabm.rutgers.edu/arnold. Affirmative Action/Equal Opportunity Employer, Minority, Females, Disabled, Veterans.

POSTDOCTORAL RESEARCH FELLOWS in CARDIOLOGY at the University of Miami School of Medicine Department of Molecular and Cellular Pharmacology

Applications are invited for several positions to investigate molecular stress response pathways in the cardiovascular system. The specific functions of selected genes that we are particularly interested in analyzing the activity of second messengers and target genes in cardiac myocytes and endothelial cells subjected to oxidative stress and angiogenesis. Applicants must have a Ph.D. degree and experience in biochemical, cell biological and/or molecular techniques. Please send curriculum vitae, description of research interests, and the names, addresses, Fax, and telephone numbers of two or three references to: Keith A. Webster, Ph.D., Department of Molecular and Cellular Pharmacology, University of Miami School of Medicine, RMB 6B, 1141 Northwest 12th Avenue, Miami, FL 33101, USA. Telephone: 305-243-6779; Fax: 305-243-4555; E-mail: kwebstr@med.med.miami.edu. The University of Miami is an Equal Opportunity/Affirmative Action Employer.

THREE POSTDOCTORAL positions—available immediately in the areas of Virology, Cell Biology, and Biochemistry for studies in baculovirus systems and engineered insect cell culture systems. Specific studies involve: 1) characterization of the major baculovirus envelope protein (gp64); 2) functional studies of the baculovirus enhancer protein and molecular structure of insect peritrophic membranes; 3) engineering and development of new technologies for stable transfection and insect and vertebrate cell lines. Experience in virology, molecular-cellular biology, protein biochemistry, or cell culture. Send curriculum vitae, a description of research interests and three references to: Dr. G. Blissard or Dr. R. Granados, Boyce Thompson Institute at Cornell University, Tower Road, Ithaca, NY 14853-1801. Telephone: 607-255-4254; FAX: 607-255-4254. A position is of interest. Affirmative Action/Equal Opportunity Employer.

A POSTDOCTORAL POSITION in reproductive biology is available in the Department of Obstetrics/Gynecology at the University of Illinois at Chicago. The focus of the research program is to study conceptus regulation of the maternal immune response to paternal antigens. These studies will include both in vivo regulation and cellular and molecular regulation in vitro. A strong background in reproductive immunology and molecular biology is highly desirable. Please forward a curriculum vitae and names and addresses of three references to: Dr. Asgi Fazleabas, Department of Ob/Gyn, University of Illinois at Chicago, 840 S. Wood Street, M.D. Box 898, Chicago, IL 60612-7313. Telephone: 312-996-0994; FAX: 312-996-4238; Email: asgi@uiuc.edu. Application deadline is November 22, 1996.

POSTDOCTORAL FELLOW

The Henry M. Jackson Foundation is in immediate need of filling a position for a Research Scientist for the combinatorial DNA library project. Support will be provided for a program of military biomedical research. The selected POSTDOCTORAL FELLOW will critique and adapt current state-of-the art procedures for recombinant antibody production, to produce and analyze recombinant antibodies. The incumbent is required minimally to have completed a Ph.D. (or equivalent) degree in molecular biology, immunology, or molecular microbiology (or equivalent) in a related field. The incumbent is expected to have experience in gene cloning and laboratory expression of recombinant proteins as well as a working knowledge of immunology and molecular and cellular immunology, RNA/mRNA isolation, cDNA production, PCR, electrophoresis of DNA/protein, ELISA/dot blots and bacterial/viral culture and growth methods as related to molecular biology. Knowledge of bacteriological, pathogenic or non-pathogenic bacteria, microbical toxins, and plant toxins will be beneficial to candidate selection. Interested candidates should send a cover letter and resume to: Human Resources Department, Arnold, D. Jackson, Jr., The Henry M. Jackson Foundation for the Advancement of Military Medicine, 1401 Rockville Pike, Suite 600, Rockville, MD 20852. Email: hr@mail.jfj.org Affirmative Action/Equal Opportunity Employer.

TRudeau INSTITUTE, INC.

A POSTDOCTORAL POSITION in Immunology is available for a person with training in cellular and/or molecular immunology to study the immune response to bacterial infections (e.g., Ph. currucy emphasizing immunity to experimental tuberculosis. The Trudeau Institute is a well-endowed, not-for-profit, basic research institute with modern facilities, up-to-date equipment, and outstanding opportunities and salary. Applications are invited from those interested in pursuing a Ph.D. degree and experience in biochemical, cell biological and/or molecular techniques. Please send curriculum vitae and names and addresses of three references to: Robert J. North, Ph.D., D.Sc., Trudeau Institute, Inc., P.O. Box 59, Saranac Lake, NY 12983.

POSTDOCTORAL POSITION in HAVARD MEDICAL SCHOOL HEMATOPOIETIC CELL GROWTH

A POSTDOCTORAL or RESEARCH ASSOCIATE position is available immediately for a Ph.D. to investigate signal transduction by cytokine receptors. Extensive experience in molecular biology and/or biochemistry is required. Please send curriculum vitae and three letters of reference to: Dr. Alan D. Andreea, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115. FAX: 617-632-8080; Email: andreea@lbcmail.harvard.edu. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS are available to investigate structure-function relationships in dopamine receptors, the beta-adrenergic receptor, and the dopamine transporter. Applicants must have a Ph.D. and experience in molecular biology and neuroscience. Preference would be given to individuals with experience in hybridization techniques. Send curriculum vitae and three letters of reference to: Jonathan A. Javitch, M.D., Ph.D., Center for Molecular Recognition, Brown University School of Medicine, 630 West 168th Street, New York, NY 10032. Email: javitch@ccfcr.columbia.edu. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH BIOLOGICAL OCULAR ANATOMY

A POSTDOCTORAL RESEARCH ASSOCIATE is sought to work in a research team investigating coupling of mesoscale physics and biological response in the Arabian Sea. A database generated by acoustic and musical and contrast echo is needed, ready for analysis of die, seasonal and spatial variability and identification of ecological, meteorological and physical forcing of zooplankton communities. The position requires use of MATLAB and the CODAS data base technology and experience with Macintosh graphic programs (DISPLA, CANVAS, Spysgraph, MATLAB graphing). Familiarity with database programs (Fox, SIR) and Fortran or C. programming is desirable. The position is for one year, renewable for a second year contingent upon funds and progress.

A current curriculum vitae and three letters of recommendation should be directed to: Dr. D. Arnold, M.D., RSMAS-MBF, University of Miami, 4600 Rickenbacker Causeway, Miami, FL 33149. The University of Miami is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

Protein Synthesis/Signal Transduction

A full-time position is available for a POSTDOCTORAL FELLOW to participate in a research program studying the application of eukaryotic systems in eukaryotic cell biology. Specific projects include the mechanism of mRNA recruitment by elf4 factors, the role of phosphorylation of elf4 factors, the physiological regulation of elf4F levels, including the role of the elf4F internal ribosome entry sequence, and the signal transduction pathways regulating protein synthesis rate. A Ph.D. in biology, biochemistry, chemistry, or a related discipline is required. Individuals with a background in cell biology and experience in molecular biology are preferred. Salary is competitive and dependent upon qualifications. Interested applicants should send curriculum vitae, a brief summary of research experience, and the names and addresses of three references to: Dr. Robert E. Rhoads, Department of Biochemistry and Molecular Biology, Louisiana State University Medical Center, Shreveport, LA 71130-3922. Louisiana State University Medical Center is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION AND 15D STUDY SCHOLARSHIP

Natural Killer Cell Receptor Genes and Proteins Department of Veterinary Biology University of Vienna

We are searching for candidates interested in the function of human natural killer cell receptors and the structure of the gene loci encoding these receptors on chromosome 12 (see Immuno. Today, 13:429 and Eur. J. Immunol., 25:2913). The project is financed by the Austrian Science Foundation (FWF) under Grant No. P9007. Contact the corresponding author, with corresponding experience in gene mapping and analysis, in the cell biology of NK cells, or in receptor-target interactions are invited to send applications including a curriculum vitae and names of two references to: Dr. Harald Hofer, Department of Vascular Biology, VIBRC, Brunnerstrasse 59, A-1230 Vienna, Austria. FAX: +43-1-86634-623; Email: erhard.hofer@univie.ac.at.

A POSTDOCTORAL POSITION is available for the study of inflammatory responses in liver injury, including inflammatory mediators, serine proteases, and signal transduction. A Ph.D. degree is required; research training in biochemical and/or molecular mechanisms of cell signaling and inflammation will be given priority. Applicants will be given strong consideration for support by an NIH-funded training grant. Please submit curriculum vitae and names of three references to: Dr. Robert A. Roth, Department of Pathology and Toxicology, Michigan State University, East Lansing, MI 48824. Equal Opportunity/Affirmative Action Employer.

A POSTDOCTORAL POSITION is available immediately to study the regulation of oncogene expression in mammary gland development and tumorigenesis. Candidates should have a Ph.D. and experience in signal transduction and the underlying molecular and/or cell biology. Experience with in situ hybridization techniques is desirable. Send curriculum vitae and the names of three references to: Janet Sawicki, Ph.D., Lankenau Medical Research Center, 1000 Ridge Avenue, West of City Line, Wynnewood, PA 19096. FAX: 610-645-2205; Email: sawickijr@jnci.nw.com. Equal Opportunity/Affirmative Action Employer.
FACULTY POSITION
Community/Ecosystem Ecology
The Department of Biological Sciences at the University of Pittsburgh anticipates making, subject to budget approval, one full-time tenure-track faculty appointment in the area of community or ecosystem ecology, beginning September 1997, to continue expansion of the Department. Applications from candidates with research interest at the community/ecosystem interface are especially valued. This appointment is expected to be made at the Assistant Professor level, but under exceptional circumstances, experience and qualifications are considered. Application and letters of recommendation should be received by December 2, 1996. Applications should include: curriculum vitae, a statement of research interests and goals, and arrange to have at least three letters of reference sent to:

Dr. Stephen Tenson
Ecology Search Committee
Department of Biological Sciences
University of Pittsburgh
Pittsburgh, PA 15260
(412) 624-5491

The University of Pittsburgh is an Equal Opportunity/Affirmative Action employer. Women and minorities are especially encouraged to apply.

PRODUCT APPLICATIONS SPECIALIST
At PE Applied Biosystems, we're making some of the biggest breakthroughs in science happen. From advances on the Human Genome Project, to accelerated opportunities in bioresearch, we offer professionals the chance to break into an exciting career as a member of our breakthrough team.

In this key role, you will be responsible for world wide applications and marketing support of Precise protein sequencing instruments. We will rely on you to interact with the marketing and sales groups to provide input regarding technical issues which impact product sales, quality, cost, reliability and performance. Additionally, you will perform sales demonstrations, develop sales tools, participate in the design and implementation of customer training courses, seminars, and workshops, and provide back-up for the technical support group.

The ideal candidate will possess a BS in the life sciences along with relevant experience in chemical protein sequencing. An advanced degree and broader scientific background are highly desirable. Strong written and verbal communication skills and a valid passport for international travel are a must.

In exchange for your talents, we offer a competitive salary and benefits package with advancement potential for your career. For consideration, please send your resume to PE Applied Biosystems, Human Resources Department, Attn: 4461, 850 Lincoln Centre Drive, Foster City, CA 94404. You may also fax to 415/638-5874, email us at biocareer@perkin-elder.com or see our home page on the WWW at http://www.perkin-elder.com for more details. PE Applied Biosystems is an equal opportunity employer.

PE Applied Biosystems
A DIVISION OF PERKIN-ELMER

MAKING THE BREAKTHROUGHS HAPPEN!

HEALTH SCIENTIST ADMINISTRATOR
National Institute on Aging
National Institutes of Health
The Neuroscience and Neuropsychology of Aging Program, at the National Institute on Aging, is seeking a Health Scientist Administrator, GS-601-13/14 ($52,867 to $81,217) as the Program Director for the Neuropsychology of Aging Program to develop and administer an extramurally funded research program on clinical neuropsychology and experimental and physiological psychology. The program focuses on the elucidation of age-related changes in memory and higher cognitive processes and their neurological and pathophysiological bases and includes development of behavioral measurements and tests of neural dysfunction. The incumbent develops the program, defining its long-range goals, preparing Program Announcements and Requests for Applications to achieve the goals, and contacting and encouraging scientists with appropriate expertise and interest to develop and submit research proposals. RESEARCH EXPERIENCE IN AT LEAST ONE OF THESE RELEVANT AREAS OF NEUROPSYCHOLOGY IS REQUIRED: COGNITION, MEMORY, OR COGNITIVE NEUROSCIENCE. In addition, applicants must demonstrate that they have worked independently in planning, organizing, and conducting biomedical, behavioral health, or health-related research and served effectively in research program administration in these fields. U.S. citizenship is required. A familiarity with the problems of the aging nervous system and cognitive problems is desirable.

For a faxed copy of the complete vacancy announcement, call 1-300-728-5627, IDE #1213. Send C.V., resume, or the Optional Application for Federal Employment, (OF-612) to:

Ms. Christine Hartz, NIA Personnel Office, Building 31, Room 2C02, 31 Center Drive, MSC 2292, Bethesda, MD 20892-2292, phone (301) 496-5347. Applications will be accepted until a postmarked deadline of March 1, 1997.

NIH is an Equal Opportunity Employer

CENTRE HOSPITALIER UNIVERSITAIRE DE QUÉBEC (CHUQ)
CENTRE DE RECHERCHE du PAVILLON L'HÔTEL-DIEU DE QUÉBEC

Several staff positions in basic and clinical research are available in the fields of Cancer and of Kidney Diseases, with emphasis in the areas of:

- signal transduction
- gene therapy
- development and differentiation
- transcription
- nephro-pharmacology

Salary support and start-up funds are available immediately for two positions, one of which is in retrovirology applied to cancer gene therapy. Further positions will require competitive application for salary and operating funds from external sources in 1997.

L'Hôtel-Dieu de Québec is a Reference Centre for Oncology and Nephrology and currently has 20 research groups headed by Faculty members of Laval University Medical School. It provides a modern, dynamic, and multidisciplinary environment for collaborative clinical, fundamental and industrial research. The Research Centre of L'Hôtel-Dieu is supported by a Core Grant from the Fonds de la Recherche en Santé du Québec, and will expand in 1997 into a new 75 000 ft² facility adjacent to L'Hôtel-Dieu in the historic center of the city of Québec.

Applications including a curriculum vitae, names of references, and a summary of research interests should be sent to:

Dr. Luc Belanger, Director
Centre de Recherche du L'Hôtel-Dieu de Québec
Centre Hospitalier Universitaire de Québec (CHUQ)
11, Côte du Palais
Québec (Québec), G1K 2J6
Canada
http://www.chuq.ulaval.ca/
POSTDOCTORAL POSITION
Indiana University Medical Center
Immediate opening available for three years for an electrophysiologist with experience in patch-clamp techniques to study the role of ion channels in the cellular response of bone to mechanical strain and calcitropic hormones. Experience in cell culture techniques desired. Send curriculum vitae, three references, and statement of research experience to:
Dr. Randall L. Duncan
Department of Orthopaedic Surgery
Indiana University Medical Center
541 Clinical Drive, Suite 600
Indianapolis, IN 46202
Email: rduncan@indiana.uipui.edu
Indiana University and Indiana University Medical Center are Equal Opportunity/Affirmative Action Employers.

POSTDOCTORAL POSITION
MOLECULAR NEUROBIOLOGY
POSTDOCTORAL FELLOWSHIP available immediately to study the effects of glutamate receptor gene knock-out at the National Institute of Child Health and Human Development, NIH. Strong background in molecular biology is required. The successful applicant will also interact with two well-established groups of neuropharmacologists. Salary commensurate with experience; can include a research assistantship for the first year of training. Please send curriculum vitae, description of research experience, and names of three references to: Dr. Vittorio Gallo and Dr. Mark Mayer, Laboratory of Cell Biology and Molecular Neurobiology, Building 49, Room 5A78, 49 Convent Drive, Bethesda, MD 20892.

IMMUNOLOGY POSTDOCTORAL POSITION
Washington University School of Medicine
A POSTDOCTORAL POSITION is available to study the molecular and genetic mechanisms of early TH1 TH2 cell differentiation. Experience in cytokine and growth factor availability is required. Include three letters of reference to: Dr. Kenneth M. Murphy, Department of Pathology, Washington University School of Medicine, Box 8118, St. Louis, MO 63110. Email: murphy@immunology.wustl.edu; FAX: 314-362-8888.

UNIVERSITY OF PENNSYLVANIA
Postdoctoral Research on B-Cell Disorders
Two POSTDOCTORAL (M.D. or Ph.D.) positions are available in a research laboratory focusing on dysregulated B-cell disorders. The first will address mechanisms of AIDS-related lymphomagenesis. The second will define the target epitopes of pathogenic red blood cell autoantibodies in immune hemolytic syndromes. Experience in molecular biology, biochemistry, and/or genetics is required. Send curriculum vitae and statement of interest to: Leslie E. Silberstein, M.D., University of Pennsylvania School of Medicine, 244 John Morgan Building, Philadelphia, PA 19104-6082. FAX: 215-573-9288. Affirmative Action/Affirmative Employment.

POSTDOCTORAL POSITIONS
available to study CNS serotonergic function through the generation and analysis of gene-modified mice and/or transgenic mouse models. Experience required in one or more of the following areas: neurobiology, knockout/transgenic technique, molecular biology, and behavioral pharmacology. Send current curriculum vitae and letter of interest to: Lawrence Tecott, M.D., Ph.D., Department of Psychiatry, UCSF, 401 Parnassus Avenue, San Francisco, CA 94143-0984. Email: tecott@isa.ucsf.edu. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH FELLOWSHIP
Johns Hopkins University School of Medicine
A GI training fellowship is immediately available to investigate the role of cyclic nucleotide gated cation channels in epithelial tissue using both electrophysiology and molecular biology techniques. Prior experience of electrophysiological techniques and/or molecular biology is desirable. Send curriculum vitae, covering letter, and names of references to: Sandra E. Guggino, Ph.D., Division of Gastrointestinal and Hepatic Research, Building 340, Room 729, 720 Rutland Avenue, Baltimore, MD 21205-2196. Email: sguggino@welchlink.welch.jhu.edu.

REGULATORY REFORM
The Department of Neurobiology at the University of California, Los Angeles, seeks Ph.D. students, postdoctorals, and more senior professionals interested in the problems of improving the regulation and management of safety and environmental risks. Submit to: G. Morgan, EPP, 129 Baker, Carnegie Mellon, Pittsburgh, PA 15213.

POSTDOCTORAL POSITION
in cellular and molecular neurobiology—The Department of Neurobiology has POSTDOCTORAL POSITIONS available to study various aspects of molecular, cellular, and developmental neurobiology. Such areas include cell-cell and cell-substrate adhesion molecules, neurite outgrowth, and nerve regeneration. Specific studies include: analysis of overexpression, mutation or deletion of adhesion molecules; cell adhesion analysis in cell lines such as Hox and Pax, that control the expression of adhesion molecules and their subsequent roles in the formation of morphogenetic pathways during neural development; identification of signal transduction pathways and the gene programs activated by adhesion molecule binding. Applicants should have a strong background in cellular and/or molecular biology. Send curriculum vitae and three letters of recommendation to: Dr. Charles H. Gage, Chairman, Department of Neurobiology, The Scripps Research Institute, 10550 North Torrey Pines Road, SBR14, La Jolla, CA 92037. Affirmative Action/Affirmative Opportunity Employer.

POSTDOCTORAL IRITA FELLOW
The Molecular Signaling Section of the Laboratory of Pathology, National Cancer Institute, National Institutes of Health has a POSTDOCTORAL RESEARCH FELLOWSHIP position available to study the molecular and biochemical basis of cancer metastasis. A three- to five-year appointment conditional on an Intramural Research Training Award is available to applicants who are U.S. citizens or permanent residents; hold a doctoral degree in biomedical, behavioral or related sciences or have been certified as meeting all of the requirements for the doctorate degree within the last five years or less of relevant postdoctoral research experience. Salary commensurate with experience ($25,000 to $38,000). Please send curriculum vitae and recent reprints to: Dr. Elise Kohn, Building 10, Room 2A43, National Institutes of Health, 10 Center Drive, Bethesda, MD 20892. NIH is an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH FELLOWSHIP
The Department of Neurosurgery at LSU Medical Center is seeking an individual with experience in focal or global ischemia research (animal surgery, histochemistry, and molecular or cell biology). The Brain Tumor and Stroke Registry Laboratory studies the role of growth factors and stress-induced factors in cerebral ischemia. This appointment is for one year with renewal dependent upon productivity. Please send curriculum vitae, summary of research to: Dr. Robert W. Hall, Department of Neurosurgery, LSU Medical Center, 3500 Jefferson Highway, New Orleans, LA 70126. Telephone: 504-223-6090.

POsITIONS OPEN
PRE- AND POSTDOCTORAL POSITIONS AVAILABLE
Molecular and Cellular Physiology
Positions are available on an NIH Training Grant Program in various areas of molecular and cellular physiology, including cardiovascular, vascular smooth muscle, endothelial/epithelial cells, pulmonary, neurophysiology, molecular pharmacology, signal transduction, and immune physiology. A strong emphasis is placed on modern molecular biological approaches, particularly the use of transgenic and RNAi approaches. Please send curriculum vitae and three letters of recommendation to: Dr. T. C. Cope, Physiology Department, Emory University, Atlanta, GA 30322. Telephone: 404-727-8901; FAX: 404-727-2648; Email: tcope@physio.emory.edu. Affirmative Action/Affirmative Opportunity Employer.

PREDOCTORAL POSITION
Cellular and Molecular Nutrition
A funded position is available immediately for a Ph.D. with up to three years of experience to study the molecular and cell biology of the hypodiploida accompanying soy protein intake. Background in rDNA and immunoblotting techniques is desired. This project is part of a collaborative effort with Dr. N. S. Varghese, Division of Nutrition, University of Illinois at Urbana-Champaign. Competitive salary. Send curriculum vitae, graduate transcripts, and names of three references to: Neil F. Shay, Ph.D., Department of Pediatric Gastroenterology, Childrens Memorial Hospital, 3600 North Lake Shore Drive, Chicago, IL 60611. Telephone: 312-225-3068; FAX: 312-225-6153; Email: nshay@northwestern.edu.

POSTDOCTORAL POSITION
MOLECULAR BIOLOGY
A POSTDOCTORAL POSITION is available to study hepatitis C virus protein expression and posttranslational modification. The applicant should have a recent Ph.D. with a strong background in molecular biology of nucleic acid/protein interactions with some experience in tissue culture. Please send curricular vitae to: L. J. Rosenthal, Department of Microbiology/Immunology, Georgetown University, 3900 Reservoir Road, NW, Washington, DC 20007. FAX: 202-687-1264; Email: rosenthal@georgetown.edu. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION
MOLECULAR BIOLOGY
A POSTDOCTORAL POSITION is available to study hepatic and extrahepatic factors involved in the phosphorylation of lipoprotein lipase, experience with molecular biology, immunology, protein chemistry, or tissue culture preferred. Send curriculum vitae to: Dr. John C. Greer, Department of Pathology, UC Irvine, College of Medicine, D440 Med. Sci., Irvine, CA 92697-4800. The University of California, Irvine: rooted in education, nourished by diversity.

POSTDOCTORAL POSITION
available: For studies on regulation of cytokine production by respiratory epithelial cells. Experience with epithelial cell culture and/or in situ hybridization required. American citizen or permanent resident status required by terms of funding. Send curriculum vitae and three letters of reference to: Burt Sharp, M.D., Medical College of Wisconsin, Case Western Reserve University, Rainbow Babies and Childrens Hospital, 11100 Euclid Avenue, Cleveland, OH 44106. Case Western Reserve University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL position to study opioid signal transduction in immune cells (P.N. R.S., 93-2894—8299, 1996). Experience required in protein biochemistry and molecular approaches to G-protein signaling. Send curriculum vitae and three reference letters to: Burt Sharp, M.D., Medical College of Wisconsin, Case Western Reserve University, Rainbow Babies and Childrens Hospital, 11100 Euclid Avenue, Cleveland, OH 44106. Case Western Reserve University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL position available immediately to study electrophysiology and behavior of motoneurons in mammalian spinal cord, with experience in intracellular recording preferred. Applications to: Dr. T. C. Cope, Physiology Department, Emory University, Atlanta, GA 30322. Telephone: 404-727-8901; FAX: 404-727-2648; Email: tcope@physio.emory.edu. Affirmative Action/Affirmative Opportunity Employer.

POSTDOCTORAL POSITION
available immediately to study electrophysiology and behavior of motoneurons in mammalian spinal cord, with experience in intracellular recording preferred. Applications to: Dr. T. C. Cope, Physiology Department, Emory University, Atlanta, GA 30322. Telephone: 404-727-8901; FAX: 404-727-2648; Email: tcope@physio.emory.edu. Affirmative Action/Affirmative Opportunity Employer.

SCIENCE • VOL. 274 • 25 OCTOBER 1996
INTERDISCIPLINARY PROGRAM IN BIOMEDICAL SCIENCES AT THE UNIVERSITY OF NORTH CAROLINA

The University of North Carolina at Chapel Hill has instituted a program for admission of graduate students interested in research in Biomedical Sciences. Students in this program will receive a fellowship of at least $13,500 plus tuition and health insurance. During the first year the students choose from a broad range of courses and do three research rotations. They select their research advisors from over 180 faculty. At the end of the first year they select a Ph.D. program based on their research interests and the affiliations of their advisor. The Ph.D. programs include Biochemistry and Biophysics, Biomedical Engineering, Biology, Cell Biology and Anatomy, Genetics and Molecular Biology, Microbiology and Immunology, Neurobiology, Pathology, Pharmacology, Physiology, and Toxicology. For information about the program contact:

Frank Church
CB# 7100, 101 MBBRL
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7100
(919) 962-8920
E-MAIL: IBMS@med.unc.edu
European Scientists: for immediate service and instant response

contact Science International

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The Tenth International Symposium on Calcium-Binding Proteins and Calcium Function in Health and Disease
June 17 - 21, 1997 Lund, Sweden

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K. Suzuki (U. Tokyo)
A. Goffeau (U.C. de Louvain)
R.J.P. Williams (Oxford)
M.E. Greenberg (Harvard)
R.L. Williams (Cambridge)

Further Information may be obtained from:
Symposium Secretariat
Tenth International Symposium on Calcium-Binding Proteins and Calcium Function in Health and Disease
Dept. of Physical Chemistry 2
Lund University
POB 124
S-221 00 Lund Sweden
Fax: Int+46-46-222-4543
E-mail: Calcium97@bor.fkem2.lth.se
http://www.fkem2.lth.se/calciium97.html

The College is striving towards Equal Opportunities

UNIVERSITY OF UTAH SCHOOL OF MEDICINE
Ph.D. Molecular Biologist: Research Laboratory Director
The Division of Reproductive Sciences/Department of Obstetrics and Gynecology is seeking applications for the above non-tenure track position. Academic rank: Research Associate. Start date: as early as 11/15/96. The successful candidate is expected to become an integral member of a research group concerned with the molecular and cellular endocrinology of the mammalian ovary. Participation in the delineation of the research agenda, in day-to-day operations, and in supervision of postdoctoral trainees is anticipated. Prior experience in reproductive biology is not a prerequisite. Salary support will be guaranteed for a minimum of five years.

Tenure Track Faculty Position
The Division of Reproductive Sciences/Department of Obstetrics and Gynecology is seeking applications for a tenure track research scientist position. Academic Rank: Open. Candidates should hold a Ph.D. or equivalent degree. The successful candidate is expected to join (by July 1, 1997) a growing division of reproductive sciences and to establish an independent, high quality extramurally funded research program suitable for the training of Ph.D. candidates and postdoctoral fellows. Secondary appointments will be encouraged. Candidates with research interests in the general areas of reproductive biology, developmental biology, immunology, signal transduction, or molecular genetics/medicine are welcome to apply. Start-up funds as well as operational, technical, and secretarial support will be guaranteed for up to three years.

Curriculum vitae should be forwarded to:
Eli Y. Adashi, M.D.
Professor and Chair
Department of Obstetrics and Gynecology
University of Utah School of Medicine
50 N. Medical Drive, 28200
Salt Lake City, Utah 84132

The University of Utah is an Equal Opportunity Affirmative Action Employer, and encourages applications from women and minorities.

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GLOBAL CAREER OPPORTUNITIES

THE UNIVERSITY OF QUEENSLAND

Equal opportunity in employment is University policy.

Reader/Senior Lecturer/Lecturer
(Level D/C/B) in Embryology/Developmental Biology
(Fixed-term: 5 years)

DEPARTMENT OF ANATOMICAL SCIENCES

Applications are invited for the position of embryologist/developmental biologist, at the level of Reader/Senior Lecturer/Lecturer depending on qualifications and experience.

Applicants must possess a proven research ability in any area of embryology/developmental biology relevant to the human, and a strong commitment to teaching (science, medical and graduate students). Applicants are expected to have a strong background in molecular biology and will be expected to establish an independent program of research at an internationally competitive level.

Period of appointment: Five year fixed-term.

Salary range: Reader $A64,311 – $A70,851 per annum; Senior Lecturer $A53,411 – $A61,586 per annum; Lecturer $A43,601 – $A51,776 per annum.

Further information, including particulars of the position, may be obtained by contacting Professor G.R. Campbell, Head, Department of Anatomical Sciences, telephone +61-7-3365-2722, facsimile +61-7-3365-7261 or email g.campbell@mailbox.uq.edu.au.

The University requires an original plus seven (7) copies of both an application and résumé. Applications, quoting Reference No. 39496, including the names, addresses and facsimile numbers of five referees, should be forwarded to the Director, Personnel Services, The University of Queensland, Brisbane Qld 4072 Australia. Closing date for applications: 29 November 1996.

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Two Tenure-Track Biology Faculty Positions

Truman State University invites applications for two tenure-track positions at the Assistant Professor level, starting August 1997. Teaching and research are mutually supportive activities at Truman; candidates should be strongly committed both to teaching and to developing an active research program involving undergraduates and M.S. students. Laboratory space and start-up funds will be provided. In addition to the responsibilities listed below, all positions include rotation through a majors or nonmajors general biology course.

(1) Animal Physiologist to teach a junior-level physiology course as well as an upper-level physiology course in the candidate’s area of expertise. We are especially interested in candidates with research interests in neurobiology and endocrinology. Search Chair: Dr. George J. Schulte.

(2) Plant Cell Biologist/Physiologist to teach a sophomore-level cell biology course as well as a junior-level plant physiology course. Research background and interests should address questions in cell biology or physiology using plant systems. Search Chair: Dr. David R. Howard.

 Ranked fourth in the nation by Money Guide, Truman is Missouri’s only statewide, highly selective, public undergraduate liberal arts and sciences university. We are nationally recognized for our innovative assessment program and commitment to a broad-based liberal arts and sciences education. Student benefit from a university-wide 16:1 student/faculty ratio and the opportunity to work closely with faculty conducting research. www.truman.edu.

Candidates must possess a Ph.D., or have a targeted completion date by August 1997. Complete applications include a curriculum vitae, statements of teaching philosophy and research goals, all undergraduate and graduate transcripts, and three recent letters of reference. All application materials should be sent directly to the respective Search Chair at: Division of Science, Truman State University, Kirksville, MO 63501 (816-785-4597). Completed applications will be reviewed starting December 6, 1996. Truman is an AA/EOE institution committed to cultural diversity and compliance with the Americans with Disabilities Act.

FACULTY POSITION

Department of Biology
Texas A&M University

Applications are invited for a tenure-track position at the Assistant Professor level in the Department of Biology with a joint appointment in the Center for Advanced Invertebrate Molecular Sciences. We seek outstanding individuals who use cellular, molecular, and genetic approaches to address fundamental questions in an invertebrate system. We are particularly interested in candidates working in the areas of invertebrate immunity or receptor biology. Successful candidates will be expected to establish a vigorous research program and to participate in undergraduate and graduate teaching.

Interested individuals should send curriculum vitae and a statement of research and teaching interests, and should arrange to have three letters of reference sent to:

Invertebrate Molecular Biology Search Committee
Department of Biology
Texas A&M University
College Station, TX 77843-3258
FAX: 409-845-2891
Email: DLJarvis@TAMU.edu

Biology Department Web site: http://bio-www.tamu.edu/
The deadline for full consideration of applicants is December 15, 1996.

Texas A&M University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR IN RESIDENCE
Department of Biopharmaceutical Sciences
University of California, San Francisco

The School of Biopharmaceutical Sciences invites applications for an Assistant Professor-In-Residence position from Ph.D. scientists with specialization in bioinformatics, protein structure, function, and evolution. Preference will be given to candidates who use an interdisciplinary approach to understanding protein structure-function relationship. Applicants must be able to integrate experimental techniques in enzymology and molecular biology with computational tools in structural biology. The successful individual will have a broad background in primary sequence analysis and will demonstrate a proven ability to develop new tools in bioinformatics that integrate sequence and structural information. Applicants must be able to attract all portions of the salary required for this non-tenure-track position through extramural grant support. Our interest is in exploiting the information coming out of the genome projects in ways that interface with the work of computational chemists working with three dimensional structural information. Teaching requirements include development of introductory and advanced courses in bioinformatics.

Send curriculum vitae, a summary of current research, a concise outline of future research plans, and three letters of reference by November 30, 1996 to:

Wolfgang Sadée, Ph.D., Chairperson
Search Committee
Department of Biopharmaceutical Sciences, Box 0446
School of Pharmacy
University of California
San Francisco, CA 94143-0446

UCSF is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

UNIVERSITY OF COLORADO HEALTH SCIENCES CENTER
DENVER, COLORADO

The University of Colorado School of Medicine is seeking a Chairperson for the Department of Immunology. This individual must have a Ph.D., M.D., or comparable degree, and must have an outstanding record as a basic scientist and as an international scientific leader. Other qualifications include a commitment to medical and graduate education, demonstrated abilities as an educator, and both experience and proficiency as an administrator.

The immunology community in Denver is widely recognized for the quality of basic and clinical research, medical school teaching, and graduate training. This community consists of individuals based at the University of Colorado Health Sciences Center, including the Barbara Davis Center for Childhood Diabetes and the Denver Veterans Administration Medical Center, and at the nearby National Jewish Center for Immunology and Respiratory Medicine. The Department of Immunology is based in the School of Medicine and presently includes 22 individuals with primary faculty appointments and 24 individuals with secondary appointments. The Department has evolved from an Interdepartmental Graduate Program that directs an educational program for 32 graduate students and is supported by an NIH training grant.

School of Medicine resources will be provided for continued growth and development of the Department of Immunology. This is an excellent opportunity to lead a group of outstanding scientists who have developed a strong record of interinstitutional and interdepartmental collaboration in research and cooperation in graduate education.

Interested applicants should send by December 1 a copy of their curriculum vitae, a statement of their research interests, and a list of four references to:

William J. Betz, Ph.D.
Chair, Department of Immunology Search Committee
c/o Department of Physiology
University of Colorado Health Sciences Center C240
4200 East Ninth Avenue
Denver, Colorado 80262

The University of Colorado is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.
Evolutionary/Ecological Statistician  
Plant Molecular Biologist  
The Department of Biology, San Francisco State University, invites applications for 2 tenure-track positions at the Assistant/Associate Professor level for Fall 1997. Ph.D. is required and postdoctoral experience is preferable. Successful candidates must have an established research record, the potential for extramural funding of a research program that includes supervision of M.A. students, and a commitment to excellence in teaching that includes general courses as well as area of specialty. We seek: 1. A Plant Molecular Biologist with research interests in molecular genetic mechanisms underlying plant processes and extensive training in plant biology. Responsibilities will include teaching upper division and graduate courses in molecular and plant molecular biology, and participation in lower division introductory biology. 2. A Statistician with a broad understanding of statistical theory and methods, and a research record in statistics applied to any area of ecology or evolutionary biology. Responsibilities will include teaching undergraduate and graduate courses in biometry, and consulting with graduate students and faculty on statistical issues. Send letter of application, curriculum vitae, a statement of teaching interests, a statement of research goals, and three letters of reference by January 2, 1997 to either the Plant Biology or Statistician Search Committee, Department of Biology, San Francisco State University, San Francisco, CA 94132. Women, ethnic minorities, and persons with disabilities are especially urged to apply. SFSU is an Equal Opportunity/Affirmative Action Employer.

MOLECULAR TOOL, INC.  
Molecular Tool, a GeneScreen company, is a recognized leader in the development and commercialization of highly integrated genetic analysis technologies. Situated on the Johns Hopkins Bayview Campus in Baltimore, Maryland, Molecular Tool provides a stimulating scientific environment that encourages individual initiative and creative thinking, coupled with a competitive salary and benefits package. The company has the following opening for a highly motivated, team-oriented scientist:  
GROUP LEADER - DNA CHIP TECHNOLOGY - Candidates must have a Ph.D. in biochemistry/molecular biology or related discipline and 1-3 years of industrial experience in managing an interdisciplinary team of Ph.D. and M.S. level scientists. The group will focus on development of innovative, miniaturized approaches to genotyping to support the industry-leading genetic testing services offered by GeneScreen and new product applications. Interested candidates should send a resume and salary history, together with the names of three professional references, to: Human Resources, Molecular Tool, Inc., Alpha Center, 5210 Eastern Avenue, Baltimore, MD 21224. NO PHONE CALLS PLEASE.

STATISTICAL GENETICIST  
The Osteoporosis Research Center at Creighton University is recruiting a statistical geneticist to join an established research team of 11 osteoporosis investigators and 30 staff in the investigation of the genetic determination of bone mass in humans. The Center has a history of nearly 40 years of research in osteoporosis, and has available both a large population of potential human research subjects and a genotyping laboratory. This is a tenure-track position, with light teaching duties and $35-$50 K available for computer equipment. Education should include a doctorate in human/medical genetics, epidemiology, biostatistics, or a related field, and 2-3 years of postdoctoral experience. Experience should ideally also include genetic analysis of quantitative traits including: model-dependent and model-independent linkage analysis, segregation analysis, estimation of familial correlations and fitting mixtures of distributions. Required job skills include a strong background in statistics, biostatistics, computer science, or biomathematics. Applicants should have experience with the SAGE, LINKAGE, LIPED, and SAS analysis packages or the equivalent. The postdoctoral experience and/or job skills may be obtained during the first year of the appointment through an arrangement with the Center for Inherited Disease Research (NIH-sponsored), which is affiliated with the Human Genome Project located in Baltimore. Interested applicants should contact Robert R. Recker, Osteoporosis Research Center, Creighton University, 601 N. 30th St., Omaha, NE 68131. Phone: 402-280-4471, Fax: 402-280-5034.

TENURE-TRACK FACULTY POSITION IN PHARMACOKINETICS  
DEPARTMENT OF PHARMACOLOGY  
COLLEGE OF PHARMACY  
THE UNIVERSITY OF TOLEDO  
The Department of Pharmacology at The University of Toledo College of Pharmacy invites applications for a twelve-month tenure-track position in pharmacokinetics at the rank of Assistant or Associate Professor of Pharmacology. The successful candidate will have an earned doctorate (Pharm.D. or Ph.D.) in pharmacokinetics. Post-doctoral experience in pharmacokinetics will be helpful. Primary responsibilities will include: instruction in biopharmaceutics, pharmacokinetics, and clinical pharmacokinetics for the professional degree programs in Pharmacy; instruction at the graduate level (M.S. in Pharmaceutical Science) in pharmacokinetic theory; establishment of an independent research program in pharmacokinetics; and collaborative clinical pharmacokinetic research with pharmacologists and clinicians.

The University of Toledo is a state-supported institution enrolling 21,000 students. The College of Pharmacy was established in 1904, and graduates 110-115 undergraduate and graduate students yearly. The City of Toledo offers an excellent quality of life. The position is available immediately. Applications will be accepted until November 15, 1996. Rank and compensation will be commensurate with experience. Interested individuals should send a letter of interest, a current curriculum vitae, and the names of at least three references to: Dr. Kenneth Bachmann, Professor and Chair Department of Pharmacology, The University of Toledo 2801 W. Bancroft St. Toledo, OH 43606 Telephone (419) 530-2010 • FAX (419) 530-8407 email: kbachm@u net.utoledo.edu The University of Toledo is an Equal Access, Equal Opportunity, Affirmative Action Employer and Educator.

UCLA Faculty Position  
UCLA-DOE Laboratory of Structural Biology and Molecular Medicine  
The Division of Structural Biology and Genetics of the UCLA-DOE Laboratory of Structural Biology and Molecular Medicine will appoint one faculty member at the level of Assistant Professor or Associate Professor in Residence, jointly with departments in the College of Letters and Science or the School of Medicine. We seek a computational biochemist with an interest in genome analysis; however, truly exceptional candidates in related areas of structural biology will also be considered. Set up and research funds will come from the UCLA-DOE Lab. Candidates must have significant research accomplishments, the ability to establish a vigorous research program, and a commitment to excellence in education. UCLA is an equal opportunity/affirmative action employer. Applicants should provide a curriculum vitae, a summary of proposed research, copies of key publications or preprints, and three letters of recommendation by November 30, 1996. Applications should be sent to: Dr. David Eisenberg, Chair of Search Committee, UCLA-DOE Lab, UCLA, Box 951570, 611 Circle Drive East, Los Angeles, CA 90095-1570, Fax: (310) 206-3914
PENNSSTATE
University Park
Campus

FACULTY POSITIONS
DEPARTMENT OF VETERINARY SCIENCE
COLLEGE OF AGRICULTURAL SCIENCES

Applications are invited for two tenure-track or tenured positions at the levels of assistant or associate professor. Candidates with interests in molecular biology, toxicology, microbiology, pharmacology, nutrition, neuroendocrinology, and molecular pathology, as related to the disciplines of immunology, will be considered. Applicants at the associate professor level should have an established externally-funded research program. Applicants at the assistant professor level should be recent graduates, preferably with some postdoctoral experience, with the potential for building a solid research program based on externally funded support. The responsibilities for these positions include development of an active, independent research program and participation in undergraduate and graduate education in the department.

Start-up funds and ample laboratory space supported by excellent clinical facilities in our Animal Diagnostic laboratory are available. Applications will be accepted until the positions are filled; however, initial review will begin on December 1, 1996. Applicants should send a curriculum vita, a brief summary of research objectives; and names, addresses, and telephone numbers of at least three references to: DR. GARY H. PERDEW, CHAIR, FACULTY SEARCH COMMITTEE, THE PENNSYLVANIA STATE UNIVERSITY, 115A HENNING BUILDING, BOX SCI, DEPARTMENT OF VETERINARY SCIENCE, UNIVERSITY PARK, PA 16802-3500.

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Women and Minorities Encouraged to Apply.

THE CLEVELAND CLINIC

Faculty Position in the Department of Neurosciences
The Cleveland Clinic Foundation Research Institute

The Department of Neurosciences seeks an outstanding candidate to fill a Faculty position. While the search is focused at the Assistant Staff level, qualified Associate or Full Staff candidates will be considered. Applicants must have a Ph.D. and/or M.D. and an active, independent research program that utilizes state-of-the-art techniques to investigate cellular and molecular aspects of neurobiology. Candidates with research programs in cortical development, synapse function, or cell signaling are encouraged to apply. Excellent departmental facilities and generous startup funds are available.

The Department of Neurosciences and the Research Institute are undergoing rapid growth. The Department of Neurosciences has strong programs in developmental neurobiology, excitatory membranes, cell signaling, and human genetics. It is housed in the Health Science Building along with the Departments of Cell Biology and Molecular Biology. Opportunities for interactions with Clinical Neurosciences Departments are plentiful.

Candidates should submit a curriculum vitae, a list of publications, a brief statement of research interests, and three letters of reference to:

Search Committee
Department of Neurosciences NC30
The Cleveland Clinic Foundation
9500 Euclid Avenue
Cleveland, Ohio 44195

The Cleveland Clinic Foundation is an equal opportunity/affirmative action employer.

AAPS

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SCIENTIFIC AFFAIRS

Leading scientific organization seeks a high energy, proactive Director of Scientific Affairs to help develop, both independently and with members, innovative educational programming for membership. Further, the incumbent will monitor association publications for scientific information accuracy and value, as well as participate in the development of new periodic and nonperiodic publications. The director will provide strong staff support on health care issues, particularly in the government arena, and recommend courses of action on these issues, and, with the Executive Director, serve as representative to scientific and government communities on behalf of the organization. Extensive liaison duties with the membership and other organizations. Position reports to Executive Director. Qualifications include an advanced degree in the pharmaceutical sciences or a closely related discipline, as well as verifiable experience in developing professional education programming and content, and in scientific publishing. Successful candidate will be expected to articulate complex scientific issues to numerous audiences, including the public. Position open; interviewing to commence shortly. Mail resume to: American Association of Pharmaceutical Scientists, Director of Scientific Affairs, 1650 King Street, 2nd Floor, Alexandria, VA 22314. No calls. No walk-ins.
Columbia University
College of Physicians and Surgeons
Faculty Positions in the Departments of Biochemistry and Molecular Biophysics, Genetics and Development, and Microbiology

Several tenure-track faculty positions at the assistant professor level are available as part of the expansion and enhancement of the three departments, named above. Strong preference will be given to candidates who are addressing fundamental questions in biology using novel approaches or combining standard techniques in innovative ways, particularly within the following areas:

- Signal transduction using biochemical and/or genetic approaches
- Control of the cell cycle in prokaryotes or eukaryotes
- Developmental biology of animal or microbial systems
- Relationships of sequence to structure to understand mechanisms of protein or RNA folding
- Theory, computation, and informatics applied to general or structural questions

The College of Physicians and Surgeons of Columbia University provides a highly interactive research environment. The expansion of the faculty of these Basic Science departments is made possible in part by generous funding obtained from the Howard Hughes Medical Institute and aids to help young scholars initiate successful, innovative laboratory programs.

Applications should include a curriculum vitae and a brief statement of research goals and interests. Three persons should be requested to send a letter of reference directly. Applications and letters of reference should arrive no later than December 6, 1996, and be sent to:

Ms. Nina Steinberg,
Basic Sciences Recruitment Program
Columbia University
701 West 168th Street, Room 1602
New York, NY 10032
U.S.A.

Columbia University takes affirmative action to ensure equal opportunity.

FACULTY POSITION
DEPARTMENT OF ANATOMY
Medical College of Virginia
Virginia Commonwealth University

The Department of Anatomy at the Medical College of Virginia, Virginia Commonwealth University, seeks a highly qualified individual to join its tumor biology group as a collateral assistant professor. The successful candidate should have expertise in molecular genetics and toxicology related to familial and sporadic lung and breast cancers, with expertise in a full range of state-of-the-art molecular techniques, including but not limited to differential display PCR. The successful candidate should also have an established funding record in undertaking imaginative studies isolating novel genes and characterizing their role in common adult neoplasms. In addition to these research responsibilities, the successful candidate is expected to participate in both graduate and professional teaching, with particular emphasis on microscopic anatomy. An M.D., D.D.S., or Ph.D. degree with two or more years of productive postdoctoral experience are required. This position is offered initially as a three-year appointment.

Applicants should send a curriculum vitae and statement of research interests, along with the names, addresses, and telephone and fax numbers of three references, by December 16, 1996, to:

George R. Leichnetz, 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 disability are encouraged to apply."

ASSISTANT PROFESSOR OF BIOLOGY

Teach courses in molecular developmental biology, introductory biology, and upgrade lab offerings. Ph.D. required, preferably with postdoctoral experience.

Tenure track position requiring advising students, assisting with curriculum development and participating in departmental & college activities. Strong commitment to undergraduate teaching and research/scholarship is essential. Evening and weekend hours may be assigned.


Cover letter, CV, a brief description of research interests and names with addresses of 3 references should be sent by December 17, 1996 to: Dr. Cheryl Adams, Chair, Search Committee, Dept. of Natural Science (Biology) at the address below:

York College
The City University of New York
54-20 Gay R. Brewer Blvd.
Jamaica, NY 11433

York College verifies education and experience statements. Selected candidates must provide proof of identity and eligibility. AA/EOE/ADA.

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FLETCHER JONES ENDOWED CHAIR PROFESSOR
SAINT MARY'S COLLEGE OF CALIFORNIA

Saint Mary’s College of California invites applications for the newly established Fletcher Jones Endowed Chair in Biology at the rank of Associate or Full Professor. Saint Mary’s College is located on a beautiful 420-acre suburban campus in the San Francisco Bay area about 14 miles east of Berkeley. Operated by the Christian Brothers, it is a selective, coeducational, comprehensive institution with an enrollment of 4000, of which 2100 are undergraduate students. Education at Saint Mary’s College is student-centered and informed by the liberal arts spirit of inquiry. The average class size is 20. We seek a distinguished educator and scholar who will be expected to play a leadership role in developing innovative curriculum and instruction in courses for non-science majors in the context of the liberal arts traditions of the College. The successful applicant will have extensive experience teaching laboratory science, will be actively involved in undergraduate Biology instruction and research, and will be expected to pursue his or her own scholarship/research program in a manner that invites the active participation of undergraduates. Teaching responsibilities include seven courses per year in a 3-1-3 academic calendar, advising students, and serving on College committees. Requires a Ph.D. with a distinguished record of teaching, scholarship, and service; evidence of a commitment to the maintenance of high standards of teaching in Biology; and a desire to be an active, enthusiastic participant in the Department, School, and College. Send a letter of application that addresses the candidate’s match with the qualifications, curriculum vitae, and three letters of recommendation, at least two of which discuss teaching ability, to: Allan Hansell, Ph.D., Chair, Biology Department, Saint Mary’s College, P.O. Box 4507, Moraga, CA 94575. The deadline is January 3, 1997 or until the position is filled.
positions open

POSTDOCTORAL POSITION
YALE UNIVERSITY

A POSTDOCTORAL POSITION is available immediately to study the molecular mechanism of secretory vesicle fusion at the plasma membrane. Send curriculum vitae and three references to: Dr. Bhanu P. Jena, Section of Gastroenterology, Department of Surgery, Yale University School of Medicine, New Haven, CT 06510. FAX: 203-737-1571; Email: Bhanu.Jena@yale.edu.

courses and training

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