**POSITIONS OPEN**

**ASSISTANT PROFESSOR, ANATOMY**

Applications are invited for a faculty position at the level of assistant professor in the Department of Anatomy. A Ph.D. degree and 1 or 2 years of postdoctoral training are required. Primary duties will include participating in teaching neuroscience to first-year medical students with an emphasis on behavioral neuroscience. Research interests are open. Development of research program with eventual independent funding is strongly encouraged. Applicants should submit curriculum vitae, three references (B. McLaughlin) and arrange for three letters by 1 March 1992:

Tage N. Krist, Ph.D.
Professor and Chairman
Department of Anatomy
Philadelphia College of Osteopathic Medicine
4150 City Avenue
Philadelphia, PA 19131

**Starting date, 1 July 1992. PCOM is an Equal Opportunity Employer.**

**BROWN UNIVERSITY**

**ASSISTANT PROFESSOR IN MOLECULAR PHARMACOLOGY**

The Division of Biology and Medicine is seeking a full-time, tenure-track molecular pharmacologist with research interests in the structure-function relationships of such physiological targets of drug action as ion channels, cell surface receptors, and intracellular proteins. The applicant must have expertise in the application of molecular biological techniques such as site-directed mutagenesis and heterologous expression systems. We are seeking individuals with a doctoral degree, at least two years of postdoctoral training, potential for excellence in teaching, and the ability to develop an independent, externally funded research program. Teaching responsibility includes the pharmacology course for medical students, as well as participation in undergraduate and graduate courses. Opportunities exist for interactions with a wide range of faculty in the Division of Biology and Medicine and in the university. The appointment will begin on or after 1 July 1992. Applicants should submit a resume including research and teaching experience, future research plans, and a list of publications; three reference reprints; and three letters of recommendation to: W. L. Eae, Department of Biological Sciences, Box G-B487, Division of Biology and Medicine, Brown University, Providence, RI 02912. Applications are expected to be received by 2 March 1992. Screening will begin on that date and will continue until a successful candidate has been identified or the search is closed. An equal opportunity/Affirmative Action Employer.

**BOTANIST: ASSISTANT PROFESSOR**

Tenure track, September 1992. Required: Ph.D. in botany or related plant sciences; broad training in field botany and appropriate academic experience to teach: mycology, plant morphology, plant anatomy. Additional teaching responsibilities may include: biology/botany core courses for majors and nonmajors and course in area of specialization. Evidence of teaching ability and postdoctoral experience preferred. Research involving students expected. Submit curriculum vitae, transcripts, and three letters of recommendation to: W. L. Eae, Department of Biological Sciences, St. Cloud State University, St. Cloud, MN 56301; telephone: 612-288-2087. Applications are expected by 13 March 1992. Women and minorities urged to apply.

**TENURE-TRACK APPOINTMENT**

**PHYSIOLOGY**

**INTERNATIONAL CHRISTIAN UNIVERSITY (ICU)**

Biological Department has an opening for one position at the rank of assistant professor. Areas of interest to begin in the fall of 1992. Candidates must hold the Ph.D. degree in physiology or a closely related field. Teaching will be in English. Initial 3-year appointment, with the possibility of tenure after faculty vote of reapppointment. Send curriculum vitae and the names of three references (B. McLaughlin) to: Professor Akihiro Nosaki, Chair, Division of Natural Sciences, ICU, 3-10-2, Osawa, Mitaka, Tokyo 181, Japan.

**POSITIONS OPEN**

**ASSISTANT PROFESSOR OF MEDICINE**

Tenure-track position beginning August 1992. Responsibilities include teaching undergraduate cell/molecular biology and mammalian physiology. Applicants are expected to begin conducting research, and present evidence of beginning research. The position is available for at least 80% of a full-time appointment. We are interested in research areas such as: virus-host interactions, immunological and genetic pathways, cancer and tumor biology, and molecular biology. Applicants must have a Ph.D. or M.D. in their respective fields. Applications are expected to be received by 28 February 1992 at: Beatrice Robinson, Department of Biology, Le Moyne College, Syracuse, NY 13214. Le Moyne College is a nationally recognized institution in the Jesuit tradition and is an Affirmative Action/Equal Opportunity Employer.

**ASSISTANT PROFESSOR OF MEDICINE, Section of Infectious Diseases, Yale University School of Medicine.**

Person available for an M.D. or Ph.D. to devote at least 80% time to basic investigation. Newly renovated laboratory space is available, contiguous with other laboratories within the Section of Infectious Diseases. Salary support and start-up funds will be provided for a period of 2 years through the Section of Infectious Diseases/Department of Internal Medicine. Individuals studying host defense mechanisms, microbial virulence determinants or viral pathogenesis at the molecular level are particularly encouraged to apply. The Section of Infectious Diseases at Yale University has a strong collaborative tie with the Department of Cell Biology, the Section of Immunobiology, and with the MacArthur Group in Molecular Parasitology within the Department of Epidemiology. Applicants must have evidence of research productivity in the specified field. Interested applicants should send curriculum vitae and the names of three references (B. McLaughlin) to: Keith Joiner, M.D., Chief, Section of Infectious Diseases, Yale University School of Medicine, P.O. Box 3333, New Haven, CT 06510, by 13 March 1992. Yale is an Equal Opportunity/Affirmative Action Employer. Applications from women and minority group members are encouraged.

**BIOLIGISTS**

**GENERAL BIOLOGY SPECIALIST.** Tenure-track position at the ASSISTANT PROFESSOR level beginning August 1992. We seek a person having a broad background in biology with motivation for teaching, and excellent organizational skills to coordinate introductory courses for majors and nonmajors. The successful candidate will be expected to coordinate involvement of other faculty in these courses, present introductory biology lectures and laboratories, develop and test innovative laboratory exercises and teaching methods, and publish in peer-reviewed journals on the subject of biology education, and seek external funding to support professional activities. An equal opportunity/Affirmative Action Employer.

**BIOLOGY INSTRUCTORS.** Two full-time, non-tenure-track teaching appointments in introductory biology. One position is renewable for up to 3 years. The second is a 9-month, nonrenewable appointment. Candidates for both positions will teach majors and/or nonmajors courses beginning August 1992.

The mission of Northeast Missouri State University is to provide an outstanding liberal arts and sciences education to an academically talentated student body while remaining economically accessible. Northeast is committed to challenging and supporting students in their learning, and it subscribes to the AAHE's "Seven Principles for Good Practice in Undergraduate Education." Active learning is a major component of the educational environment—in the classroom or laboratory, in advising sessions, in collaborative research, and in service to the university and community. As a part of their teaching responsibilities, all tenure-track faculty members are expected to serve as academic advisers.

Candidates for all three positions should have a Ph.D. or equivalent and demonstoration of commitment to undergraduate education. Send cover letter indicating the position(s) for which you are applying, statement of teaching philosophy, and curriculum vitae with the names of three references (B. McLaughlin) to: Professor Akihito Nosaki, Chair, Division of Natural Sciences, ICU, 3-10-2, Osawa, Mitaka, Tokyo 181, Japan.
POSITIONS OPEN

ASSISTANT PROFESSOR

The Division of Cellular and Molecular Biology at the Dana-Farber Cancer Institute and the Department of Biological Sciences at Harvard Medical School are conducting a search for an assistant professor. We are interested in identifying applicants with active research programs investigating contemporary issues in cell biology or development using model systems that are amenable to genetic or biochemical analysis like, but not confined to, flies or mice. In addition to developing a basic research program the successful candidate will be expected to participate in educational activities at the Dana-Farber Cancer Institute and Harvard Medical School.

Interested candidates should submit curriculum vitae, brief research description, and three letters of reference to: Dr. Richard Kole, Search Committee Chair, Division of Cellular and Molecular Biology, Dana-Farber Cancer Institute, Meyer Building, Room 849, 44 Binney Street, Boston, MA 02115.

The Dana-Farber Cancer Institute and Harvard Medical School are Equal Opportunity/Affirmative Action Employers. Women and minority candidates are particularly encouraged to apply.

ASSISTANT PROFESSOR

The Department of Biological Sciences invites applications for a tenure-track position at the assistant professor level beginning August 1992. Ph.D. required. Preference will be given to those with teaching and research experience. Responsibilities include teaching courses in anatomy and physiology and other courses in area of expertise. Establishment of an active independent research program involving graduate students and M.S.-level students is expected. Research area is open; however, expertise in developmental biology, biological toxicology, fish physiology or physiological ecology is desirable. Women and minorities are especially encouraged to apply.

Please send curriculum vitae, copies of undergraduate and graduate transcripts, a statement of research and teaching interests, and three letters of recommendation to: 10 March 1992 to: Dr. Martin J. Mitchell, Department of Biological Sciences, Murray State University, Murray, KY 42071.

Murray State does not discriminate on the basis of race, color, national origin, sex, or handicap in its programs and activities. The following person has been designated to handle inquiries regarding the university’s nondiscrimination policies: Dr. Doreen Rauch, Director of Affirmative Action, 318 Wells Hall, Murray State University, Murray, KY 42071. Telephone: 502-762-3156.

RESEARCH ASSISTANT PROFESSOR

DIVISION OF IMMUNOGENETICS

The University of Pittsburgh School of Medicine, Department of Pediatrics, has an opening for an assistant professor with expertise and several years of experience in the field of molecular biology.

Priority will be given to an individual with M.D. or Ph.D. degree with a proven record of accomplishment in areas of microbial genomics, non-restriction cytotoxicity, and involvement in autoimmune and autoimmunity. The individual will be expected to develop a research program, and teach appropriate courses.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of British Columbia encourages applications from all qualified women and minority applicants.

Curriculum vitae, the names of three referees and a brief research outline, should be submitted to: Dr. J. E. Phillips, Head, Zoology Department, University of British Columbia, #2354-6270 University Boulevard, Vancouver, BC, Canada V6T 1Z4. Closing date for applications is 31 March 1992.

POSITIONS OPEN

ENVIRONMENTAL STUDIES. Brown University's Center for the Study of the Environment is seeking a VISITING ASSISTANT PROFESSOR for a 1-year appointment. Responsibilities include teaching two courses in the fall semester and one course in the spring, and sponsoring senior theses. Candidates should have had some direct experience in solving environmental problems and be able to integrate science with policy. A doctoral degree is required, and a degree of comparable experience is required. A letter of application, a resume and three letters of reference should be submitted to: Professor Harold Ward, Brown University, Box 1443, Providence, RI 02912. Applications will be reviewed as soon as they are complete.

FACULTY POSITION IN GENERAL/CLINICAL MICROBIOLOGY. The Department of Biology, Middle Tennessee State University (MTSU), invites applications for a tenure-track teaching position (ASSISTANT PROFESSOR, Ph.D.) available August 1992. The successful applicant must have a strong background in general and clinical microbiology, and shall teach lecture and laboratory courses in general and other areas of microbiology at the undergraduate and graduate level and direct research. Research/public service is expected. Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply. Deadline for application is 6 March 1992. Send application, transcripts and three letters of reference to: Dr. Mary Reyes, Committee Chair, DEPARTMENT of MTSU BIOLOGY, 37132. Position contingent on funding availability.

FACULTY POSITIONS

The Center for Extracellular Matrix Biology at the Institute of Biosciences and Technology, Texas A&M University, located at the Texas Medical Center, Houston, Texas, invites applications for two tenure-track positions at the ASSISTANT PROFESSOR level. Applicants should have a Ph.D. and a proven record of accomplishments as a postdoctoral fellow or faculty member and have research interests in the area of extracellular matrix biology. Preference will be given to candidates with training in biochemistry and/or cell biology and experience in molecular biology. Applicants should send a letter outlining their research interests, their curriculum vitae and three letters of reference to: Dr. Magnus Hhook, c/o Bill Alley, Institute of Biosciences and Technology, 2121 Holcombe Boulevard, Houston, TX 77030. The Texas A&M University System is an Affirmative Action/Equal Opportunity Employer.

DEPARTMENT OF ANATOMY

JAMES H. QUILLEN COLLEGE OF MEDICINE

EAST TENNESSEE STATE UNIVERSITY

CELL/DEVELOPMENTAL BIOLOGIST. Applications are invited for the position of ASSISTANT PROFESSOR of anatomy. Candidates should possess either the M.D. or Ph.D. degree. Preference will be accorded those candidates with postdoctoral training and with documented research experience in either cell biology, developmental neurobiology or developmental genetics. The successful candidate is expected to participate in the education program for medical students, although the specific discipline will be commensurate with the candidates' expertise. The department has eight faculty members whose interests represent a diverse mixture of research areas. These include: neurobiology, pathology, cellular biology, developmental biology. They participate in the Graduate Program in Biomedical Science and in the multidisciplinary Program in Cell and Molecular Biology. The position is available on or before 1 July 1992. Interested applicants should submit curriculum vitae and the names of at least three references to: chairperson, Department of Anatomy. The University is an Equal Opportunity/Affirmative Action Employer.

Richard G. Skallo, Ph.D. Professor and Chairperson Department of Anatomy James H. Quillen College of Medicine East Tennessee State University Johnson City, TN 37614-0582

East Tennessee State University is an Equal Opportunity/ Affirmative Action Employer.
ENZON, Inc.

Adding Time To Life*

GAIITHBORG, MARYLAND

Director of Research
As the director of our scientific/engineering group's research design and development activities, you'll establish and implement strategic research plans and goals. PhD in Biochemistry or a related field, with 10+ years' pharmaceutical/biotechnology experience, 5+ years of research management experience, and a high scientific profile via patents and publications. Dept. ADR/MB.

Associate Director of Research Molecular Biology
Applying molecular biological approaches to the development of our novel recombinant pharmaceutical proteins, you'll oversee the genetic engineering programs, and propose/review new projects. PhD in Molecular Biology, Biochemistry, Genetics, Immunology or Microbiology; 10+ years' relevant experience, including supervision of research groups; and a proven record of scientific accomplishments and publications. Dept. ADR/MB.

RESEARCH ASSOCIATES BS/MS LEVEL

Mammalian and Insect Cell Culture
Working with Molecular Biologists and Protein Chemists, you'll develop and optimize lab-scale cell culture processes, using recombinant and non-recombinant DNA-derived mammalian and insect cell lines; and assist in the scale-up of cell culture-derived products from lab to pilot plant scale. Degree in Cell Biology, Microbiology or Biochemical Engineering, and 2+ years' experience operating bioreactors. Dept. RA/MIC.

Fermentation Microbiology
Optimize and develop lab-scale fermentation processes using recombinant and non-recombinant microorganisms; and assist in fermentation scale-up efforts from lab to pilot plant scale. Degree in Microbiology or Biochemical Engineering; 2+ years' experience operating fermentation equipment. Dept. RA/FM.

Fermentation
Hands-on experience operating and maintaining large-scale fermentation and down-stream processing equipment. Degree in Microbiology, Chemistry, Biochemistry or equivalent experience. Dept. RA/F.

SOUTH PLAINFIELD, NEW JERSEY

Scientists PhD LEVEL

Synthetic Organic Chemistry
As a member of our multidisciplinary, discovery chemistry team, you'll design, synthesize and characterize complex molecules and participate in collaborative research efforts. An Organic or Medicinal Chemistry degree; and 2+ years' laboratory experience, preferably performing original research in a pharmaceutical or industrial setting. Post-doctoral experience strongly preferred. Dept. S/SOC.

Method Development/Scale-Up
Design, develop and implement therapeutic product purification protocols, and assist in transferring them into a cGMP product purification environment. Degree in Chemistry, Biochemistry, or equivalent; with 2+ years' experience in a research environment. Dept. S/MDSU.

RESEARCH ASSOCIATES BS/MS LEVEL

Synthetic Organic Chemistry
Working with a Senior Chemist, you'll be involved in the design and synthesis of novel, therapeutic compounds. Chemistry degree; 2+ years' industrial experience; and the ability to conduct multistep synthetic sequences. Familiarity with IR, NMR and HPLC is a plus. Dept. RA/SOC.

Scale-Up Protein Purification
Assist in the design, development and implementation of purification protocols that produce therapeutic-grade proteins at the research and scale-up levels. Degree in Chemistry or Biochemistry, with 1-2 years' protein purification experience in a GMP manufacturing environment. Dept. RA/SUPP.

Cell Biology Group
Collaborating with our research team, you'll maintain cell lines, and perform in vitro cell proliferation and cytotoxicity assays. Related tissue culture/cell fusion/monoclonal antibody experience, and/or a scientific degree. Dept. RA/EG.
DIRECTOR, EVOKED POTENTIALS LABORATORY

Salary Range $49,907-$64,876

The Brooklyn VA Medical Center seeks a Ph.D. or M.D. with substantial background in molecular biology of the globin gene system as an ASSISTANT PROFESSOR OF GENETICS IN FETAL ANATOMY. Tenure-track position with research and teaching responsibilities. Will be appointed in the Graduate College and Department of Genetics. Contact: George R. Honig, M.D., Ph.D., Professor and Head, Department of Obstetrics and Gynecology, 840 South Wood Street, Chicago, IL 60612. The University of Illinois is an Affirmative Action/Affirmative Opportunity Employer.

Position: ASSISTANT PROFESSOR OF WILDLIFE TECHNOLOGY at the DuBois Campus. Tenure-track, 9-month position (36 weeks). The DuBois campus: A 15-acre site located in DuBois. The surrounding area is rural with extensive national and state forest lands nearby. The campus enrolls a total of 700 full-time and 300 part-time students. Starting date: August 1992, or as negotiated. Responsibilities: Teaching, research, and advising students in a 2-year associate degree program in wildlife technology. The teaching program will consist of courses in fish and fisheries management, wildlife management techniques, and statistics. Teaching load is 14 contact hours one semester and 7 to 10 in the other semester. The research program should complement the teaching effort. Qualifications: A Ph.D. in wildlife management or a related area. Field experience will be a definite asset. Salary commensurate with experience and background. An attractive benefits package is available. Application: Applicants should send curriculum vitae, one letter of support, names of three professional references to: Dr. Alfred D. Sullivan, Director, School of Forest Resources, The Pennsylvania State University, 111B Ferguson Building, University Park, PA 16802. Telephone: 814-863-7093 Closing date for applications: 1 April 1992, or until the position is filled. An Affirmative Action/Affirmative Opportunity Employer. Women and minorities are encouraged to apply.

RESEARCH ASSOCIATE PROFESSOR. Full-time research position for biochemist/cell biologist in a team approach to neurodegenerative diseases. Expertise in eukaryoty, molecular genetics, or receptor biology preferred. M.D. or Ph.D. Required. Send curriculum vitae and names of three references to: Scott Vanden Berg, M.D., Ph.D., Director of Neuropharmacology, Children's Health Science Center, Box 214, Charlottesville, VA 22908. The University of Virginia is an Affirmative Action/EQUAL Opportunity Employer.

FACULTY POSITION IN MOLECULAR PHARMACOLOGY. The Department of Pharmacology (School of Medicine) and the Molecular Biology Program at the University of Missouri-Columbia (MU) invite applications for a tenure-track ASSISTANT PROFESSOR position. We are seeking an individual who applies molecular approaches to problems in pharmacology or related areas. The successful candidate will reside in the Department of Pharmacology and will participate in the interdisciplinary Molecular Sciences Program. The campus-wide program supports pre- and postdoctoral fellows and provides core facilities for DNA synthesis and sequencing, peptide synthesis, protein sequence analysis, generation of transgenic and knock-out mice, hybridoma production, flow cytometry, and confocal microscopy. The successful candidate should have a strong record of research accomplishment, the ability to develop an externally funded research program, and the ability to participate in departmental teaching. Research areas of interest include, but are not limited to, the roles of neurotransmitters and growth factors and their signaling pathways, and mechanisms of gene regulation. Interested individuals should submit curriculum vitae, a brief description of research interest, goals for future plans, and the names of three referees by 15 April 1992 to:

Rosalie Cihlar
Executive Secretary
Department of Surgery
University of Minnesota
Box 196 UMHF
Minneapolis, MN 55455

The University of Minnesota is an Equal Opportunity Educator and Employer.
Ph.D. Scientist
Pharmacology

If you're an experienced professional who would like to have a hand in shaping the future of the pharmaceutical industry, then The Liposome Company, a growing biotechnology firm specializing in novel, lipid-based drug delivery systems, has an outstanding opportunity for you.

We are presently seeking a Pharmacologist or Bioanalytical Chemist with experience in pharmacokinetic studies and drug/metabolite analysis in biological fluids to become an active member of our preclinical and clinical drug development team. The successful candidate will be developing and validating bioanalytical methods for our novel dosage forms and assisting in the design, implementation and analysis of pre-clinical and clinical pharmacology studies.

The qualified candidate will possess a PhD in Pharmacology, Biochemistry or related discipline with 0-5 years' experience. Experience with radioisotopes and HPLC is required. GC-mass spec and knowledge or experience in cardiovascular, anti-inflammatory, infectious diseases and/or oncology areas would be desirable.

In addition to a creative work environment, we offer a competitive salary and comprehensive benefits package. Please send your resume to: Human Resources, The Liposome Company, Inc., One Research Way, Princeton, NJ 08540. An Equal Opportunity Employer.

The Liposome Company, Inc.
The Department of Pathology is seeking an M.D. or M.D./Ph.D. anatomical pathologist with a major interest in experimental pathology. This is a tenure-track position at the level of Assistant Professor or Associate Professor. The position will include duties in autopsy pathology. Preference will be given to candidates with strong research potential who can establish an independent, externally funded research program.

Position Description:

- **Assistant Professor/Associate Professor, Anatomical Pathology:** Candidates must have a strong background in research pathology and be committed to developing a research laboratory. The successful candidate will be expected to establish an independent, externally funded research program.

Application Deadline:

Applications are accepted at any time. Review of applications will begin on September 1, 2022, or until the position is filled. Applications should be submitted online via the Department of Pathology at www.usuhs.edu/pathology.

**Contact:**

Dr. David M. McCandless, Chair, Department of Pathology, USUHS, 4301 Jones Bridge Road, Bethesda, MD 20814-4799. Telephone: 301-299-4414.

**Equal Opportunity:**

USUHS is an Equal Opportunity/Affirmative Action employer.

**COLUMBIA UNIVERSITY CENTER FOR RADIOLGICAL RESEARCH**

Applications are invited for a full-time position at the Assistant Professor/Associate Research Scientist level. The center seeks a research scientist who is interested in using cell cultures of human and rodent origin to investigate radiobiological problems relevant to clinical radiotherapy. The center is well equipped for radiobiological studies. Adequate start-up funds will be available. Candidate should have a Ph.D. degree and postdoctoral experience. Salary will be commensurate with experience. Send curriculum vitae, research interests, and names of at least three references to: Dr. Eric J. Hall, Division of Radiological Research, College of Physicians and Surgeons, Columbia University, 630 West 168th Street, New York, NY 10032.

**Position Description:**

- **Assistant Professor/Associate Research Scientist**

**COLUMBIA UNIVERSITY SCHOOL OF MEDICINE**

**DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE**

The Section of Clinical Microbiology within the Department of Pathology and Laboratory Medicine is recruiting a faculty member in the tenure track at the Assistant Professor level. The candidate is expected to develop an extramurally funded research program. Although research in any area of microbiology will be considered, candidates who are pursuing research in molecular microbiology are particularly encouraged to apply. In addition to a research program, candidates are expected to participate in teaching and service activities.

**Position Description:**

- **Assistant Professor**

**UNIVERSITY OF PENNSYLVANIA SCHOOL OF MEDICINE**

**DEPARTMENT OF PATHOLOGY**

The position of Assistant Professor/Associate Professor/Professor is available in the Department of Pathology and Laboratory Medicine within the Cell and Developmental Biology. The successful candidate will be expected to develop and maintain an independent, externally funded research program in cell and developmental biology.

**Position Description:**

- **Assistant Professor/Associate Professor/Professor**

**UNIVERSITY OF VIRGINIA HEALTH SCIENCES CENTER**

The Department of Pathology is seeking an M.D. or M.D./Ph.D. anatomical pathologist with a major interest in experimental pathology. This is a tenure-track position at the level of Assistant Professor or Associate Professor. The position will include duties in autopsy pathology. Preference will be given to candidates with strong research potential who can establish an independent, externally funded research program.

Position Description:

- **Assistant Professor/Associate Professor, Anatomical Pathology:** Candidates must have a strong background in research pathology and be committed to developing a research laboratory. The successful candidate will be expected to establish an independent, externally funded research program.

Application Deadline:

Applications are accepted at any time. Review of applications will begin on September 1, 2022, or until the position is filled. Applications should be submitted online via the Department of Pathology at www.usuhs.edu/pathology.

**Contact:**

Dr. David M. McCandless, Chair, Department of Pathology, USUHS, 4301 Jones Bridge Road, Bethesda, MD 20814-4799. Telephone: 301-299-4414.

**Equal Opportunity:**

USUHS is an Equal Opportunity/Affirmative Action employer.
THE AARON DIAMOND FOUNDATION POSTDOCTORAL RESEARCH FELLOWSHIPS in the Biomedical and Social Sciences

AIDS OR DRUG ABUSE RESEARCH
The Aaron Diamond Foundation announces the availability of Postdoctoral Research Fellowships in the biomedical and social sciences focusing on AIDS or drug abuse. The purpose of the Fellowships is to attract promising investigators to academic and research institutions in New York City, and to encourage increased research into understanding and solving two of today’s most pressing public health problems. The New York State Health Research Council, aided by a distinguished group of scientists comprising The Aaron Diamond Foundation Fellowship Selection Committee, administers the Fellowship Program.

STIPENDS
Fellows are paid annual stipends beginning at $36,000. Each Fellowship is for two years, with an option for a third year.

ELIGIBILITY
Applicants should have received an MD or PhD within the past seven years. MD’s should have completed at least two years of clinical training. PhD’s are eligible immediately after graduation or after limited research experience.

The Fellowships are open to U.S. citizens and permanent residents. Women and members of minority groups are especially encouraged to apply.

MENTORS
A potential Fellow must be sponsored by a Mentor at a New York City institution. Mentors who have already expressed interest in participating in the Fellowship Program are listed in the application materials. The Mentor’s institution receives $30,000 annually to cover the Fellow’s research costs, travel, tuition and fringe benefits.

APPLICATION DEADLINES
July 51, 1992 and July 30, 1993

INFORMATION AND APPLICATION FORMS
Ellen L. Rautenberg, Program Director, The Aaron Diamond Foundation Postdoctoral Research Fellowships, New York State Health Research Council, 5 Penn Plaza, Room 508, New York, NY 10001
(212) 615-2525

VISONARY

Chemist/ NMR Spectroscopist
The Du Pont Merck Pharmaceutical Company is seeking an NMR Spectroscopist or a Chemist who is ready to work in a multi-disciplinary environment aimed at drug discovery.

We currently have an exciting and challenging position in the Structural Biology section of the Biotechnology Department. The candidate we seek will collaborate with peptide and medicinal chemists to solve molecular geometry problems through multi-dimensional NMR experiments and their interpretation. In some instances this may involve computer modeling based on NMR data. In addition, you will assist in the maintenance of Varian VXR500S NMR spectrometer and associated off-line processing computer hardware and software.

The qualified candidate will have a BS or MS in a Life, Physical or Computer Science with at least 1-3 years’ experience in either NMR spectroscopy, peptide chemistry or computer modeling. Excellent organizational, people and communication skills are also required. Some background in electronics or UNIX computers is highly desirable.

Our location, near Wilmington, DE, offers an attractive lifestyle with easy access to all the cultural, academic and recreational activities of the Eastern Seaboard. The Du Pont Merck Pharmaceutical Company can offer you an excellent compensation and benefits package. To be considered, please forward your resume: Employment Office, Dept. SCI-27, The Du Pont Merck Pharmaceutical Company, Du Pont Experimental Station E400/6220, Wilmington, DE 19880-0400, An Equal Opportunity Employer M/F.

CHAIR, PHARMACOLOGY DEPARTMENT
St. Jude Children’s Research Hospital, a private research institute, is recruiting a new chairperson for its established Department of Pharmacology. The appointee will be expected to lead an internationally recognized program in his/her area of interest and to shape the future direction of research within the institution, through faculty recruitment and by contributions to the institution’s overall scientific leadership, as a member of the Institution’s Executive Committee.

The institute is currently undergoing major expansion, and has recently occupied a new 240,000 sf research tower, where substantial laboratory and office space has been reserved for the pharmacology chair. The department currently has 9 faculty, all of whom are NIH funded investigators, and the new chair will be expected to recruit additional faculty. The current departmental budget is approximately $3 million. The department interfaces with established basic science programs in Virology and Molecular Biology, Biochemistry, Immunology, and Tumor Cell Biology, and established clinical research programs in Hematology/Oncology, Pharmaceutical Sciences and Infectious Diseases. Appointment to the University of Tennessee graduate faculty is also possible.

The Chair’s salary will be provided through committed endowed funds, together with additional resources commensurate with the needs of a dynamic and productive individual.

Applicants should submit a curriculum vitae and the names and addresses of four references to: Dr. William E. Evans, Chair, Pharmacology Search Committee, St. Jude Children’s Research Hospital, 332 North Lauderdale, Memphis, Tennessee 38105

St. Jude Children’s Research Hospital is an Affirmative Action/Equal Opportunity Employer
Opportunities with Monsanto Company

Research Immunology

Today's Monsanto is a company with an exciting future in high-value, high-performance products. We have the following opportunities available in our Immunology Department of Monsanto Corporate Research Laboratories to work in the areas of signal processing/presentation, T-cell recognition, T-cell activation and gene transcription:

Immunologist/Research Scientist

We are seeking an individual to lead a team of four to seven scientists working to develop a research program leading to new products for autoimmune diseases.

Qualifications include a M.D. or Ph.D. degree and three to five years of postdoctoral experience in either academia or industry, providing in-depth technical knowledge and a proven track record in molecular or cellular immunology. Problem-solving skills and experience in supervising research activities and leading a group research effort are required.

Postdoctoral Positions

This is an opportunity for qualified candidates in the areas of IL-4 physiology, HLA class II structure-function relationships, development of in vivo models of autoimmunity, intracellular trafficking, mechanisms of cellular activation, mechanisms of tolerance, receptor biology, bone resorption and osteoclast function and differentiation. Cellular or molecular immunology/biology experience is desired.

Please send your résumé with references to: Monsanto Company, Mail Zone BBS8-BS, Attn: Dr. Ben Schwartz, 700 Chesterfield Village Parkway, St. Louis, MO 63198. We're an equal opportunity employer. M/F/H/V.

Opportunity.
We've got it down to a science.

Monsanto

OPPORTUNITIES IN
ELECTROPHYSIOLOGY
& MOLECULAR BIOLOGY

Neurogen Corporation, a young, dynamic company in the field of neuroscience, is currently expanding to staff in Electrophysiology and Molecular Biology. Neurogen scientists are developing novel therapeutics for neurological & psychiatric disorders.

RESEARCH ASSOCIATE
Electrophysiology

The position involves evaluation of drug effects on neurotransmitter receptors in oocytes using two-electrode voltage clamp technique & in cultured cells using the whole cell patch clamp technique. A BS or MS degree in biology, physiology, or a related field, plus 1 yr. experience using electrophysiological recording set-up is required.

RESEARCH ASSOCIATES
Molecular Biology

Two positions are available in the area of receptor cloning research. A BS or MS degree in biology, physiology, or a related field plus 1 yr. experience with the techniques of DNA sequencing, PCR, screening, subcloning or transfection are required.

Brain is located in Branford, CT, near New Haven. We offer a stimulating intellectual environment & state-of-the-art laboratory facilities. Neurogen has a comprehensive compensation program consisting of competitive salary, equity participation, 401K plan, health & medical programs, as well as relocation assistance. Interested candidates should send resume, with cover letter indicating position of interest, to: Director of Human Resources, Neurogen Corp., 35 N.E. Industrial Rd, Branford, CT 06405.

Geisinger Clinic

Postdoctoral And
Associate Scientist
Positions

Positions available for Associate Scientists (three years postdoctoral experience) and postdoctoral fellows. The successful applicants will be engaged in research on the biochemical and molecular mechanisms by which angiotensin peptides and other hormonal and pharmacological stimuli mediate cardiac muscle cell growth, under the direction of Dr. Kenneth M. Baker. There will also be the opportunity to engage in research defining the role of a localized intracardiac renin-angiotensin system in mediating cardiac muscle cell growth, with an emphasis on the regulation of the precursor genes for this system, and cloning the expression of the relevant receptors.

Competitive salary and fringe benefits are available. Please send CV and three names or letters of reference to: Human Resources Dept. (KB), Geisinger Clinic, 100 North Academy Avenue, Danville, PA 17822-3024. Equal Opportunity Employer M/F/H/V.

University of Pennsylvania School of Medicine

The Department of Biochemistry and Biophysics and the Johnson Research Foundation at the University of Pennsylvania School of Medicine invite applications from outstanding candidates for full-time tenure-track faculty at the ASSISTANT PROFESSOR level. The search will focus on individuals with interests in molecular biophysics and strucural biology applying methods including x-ray diffraction, magnetic resonance, and other spectroscopies. Candidates should forward their curriculum vitae, a summary of research interests, and arrange for three letters of recommendation to be sent to: Ms. Marianne Goldstein, Department of Biochemistry and Biophysics, University of Pennsylvania School of Medicine, B501 Richards Building, Philadelphia, PA 19104-6089. The deadline for applications is 15 April 1992. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE/FULL PROFESSOR FACULTY POSITION IN GEOCHEMISTRY/Rutgers University

The Institute of Marine and Coastal Sciences of Rutgers University invites applications for a tenure-track position in the area of geochemistry. Applicants must have a Ph.D. and a strong record of published research and grant support. The successful candidate will be expected to teach courses primarily at the senior and graduate student level, as well as to establish an innovative, forward-looking research program in inorganic or organic geochemistry. Appointment will be at a level commensurate with prior experience. Curriculum vitae, a statement of research interests, and the names of four references should be sent prior to 31 March 1992, to: Dr. Frederick Grasse, Director, Institute of Marine and Coastal Sciences, P.O. Box 231, Rutgers University, New Brunswick, NJ 08903-0231.

Rutgers University is an Equal Opportunity/Affirmative Action Employer.

SCIENCE, VOL. 255

POSIrIONS OPEN

Tenure-track ASSISTANT/ASSOCLATE PROFESSOR position starting August 1992 in science education and biology, botany or zoology. Requires Ph.D. in biological science and a teaching credential or willingness to seek one. Teach biology, science education methods, supervise student teachers. Send application to: Life Science Education Search Committee, Biology Department, Humboldt State University, Arcata, CA 95521. Telephone: 707-826-5245. Completed applications should be received by 17 March 1992 for full consideration. Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

DEPARTMENT OF MICROBIOLOGY

AND IMMUNOLOGY

THE COMPREHENSIVE CANCER CENTER

Applications are invited for a vacant faculty position in molecular immunology jointly supported by the Department of Microbiology and the Ohio State University Comprehensive Cancer Center. Preference will be given to established investigators applying for a position at the ASSOCIATE PROFESSOR OR PROFESSOR level. The successful applicant will be expected to maintain an internationally recognized, molecular-oriented research program in cancer immunology and to participate in graduate and undergraduate teaching. This is one of several new cancer-related positions that will be filled in the near future to expand the research program of the Ohio State University Comprehensive Cancer Center coincident with the establishment of the Arthur G. James Cancer Hospital and Research Institute.

Applicants should submit curriculum vitae, statement of current research interests and future plans, and the names of three references to: Professor John N. Reeves, Chair, Department of Microbiology, The Ohio State University, Columbus, OH 43210; telephone: 614-292-2301 or FAX: 614-292-1538. Review of applications will begin immediately and continue until the position is filled. Women and minority candidates are very strongly encouraged to apply. The University is an Affirmative Action/Equal Opportunity Employer.
Visiting Scientist Research Unit

The Swedish Cancer Society announces support for qualified guest research in Sweden. Our intention is to provide facilities for a small research unit led by a well qualified foreign scientist working within a recognized Swedish Department or Clinic concerned with cancer research.

The Swedish Cancer Society will provide cost for travel (including family), salary matching the qualifications of the applicant and contribute to laboratory expenses. Funding will take the form of a lump sum which could, in addition to the expenses mentioned, also include the salaries of one or two technical assistants. The successful applicant will be responsible for the direct economic administration of his/her grant in general conformity with the policy of the respective university. The grant runs for 3 years with possibility of a one year prolongation.

The key part of the application should be a joint research program by the host department/clinic and the applicant. It should clearly outline the objectives, methods and relevance for cancer of the project. We are particularly interested in plans which pursue original or otherwise fruitful avenues of research where a synergistic effect can be expected between the host laboratory and the visiting scientist. The Swedish Cancer Society has a tradition of supporting cancer research in a broad sense. Supportable projects could range from basic studies to clinically oriented ones including epidemiology, prevention of cancer and psycho-social aspects of the disease. We require the receiving laboratory/clinic to provide free access to all necessary basic facilities and expect the visiting scientist to participate in activities of the Swedish Cancer Society when appropriate. Barring unforeseen circumstances the awardee is expected to continue his/her scientific work uninterruptedly during at least three years at the location chosen in Sweden.

The application must further contain a CV from the applicant and an estimate of total yearly expenses.

The Swedish Cancer Society will set aside a maximum of 3 x 10^6 SEK/year (corresponding to $500,000) for this initiative. Providing that adequate quality requirements are met, one grant will be reserved for Eastern Europe (Soviet Union including all its Federal Republics, Albania, Bulgaria, Czechoslovakia, Hungary, Poland, Roumania, Yugoslavia).

Applications will be received not later than February 28, 1992. A special selection committee will be organized by the Swedish Cancer Society. Applicants will if necessary be subject to personal interviews either in Sweden or at other suitable locations.

Applications should be forwarded to the Swedish Cancer Society, Box 17096, 104 62 STOCKHOLM, Sweden. Further information on telephone 08-772 28 00.

Magainin Pharmaceuticals Inc.

Maggain Pharmaceuticals Inc. is a rapidly developing biopharmaceutical company engaged in the research and development of a new class of therapeutic products for the treatment of infections and certain cancers and the promotion of wound healing. With the success of our recent stock offering, we are seeking scientists with commitment, excellent training and communication skills to expand our drug research and development efforts in the following areas:

- Assistant Director of Clinical Research/Regulatory Affairs – Advanced degree required in the biological sciences and at least 3-5 years experience as a Clinical Research Associate in design, administration, monitoring of human clinical trials of investigational drugs and relevant experience in the area of topical anti-infective drugs. Experience in presentations, submissions and other communications with Federal Regulatory Agencies (FDA) is required. Candidate must have a working understanding of Good Clinical Practices and a knowledge of the management of clinical trials, database management, data analysis and the regulatory submissions associated with IND’s and NDA’s.
- Peptide Chemist – Ph.D. with 1-4 years experience or MS with 5+ years experience in the pharmaceutical industry or biomedical research. Candidates should have interest and experience in peptide synthesis, structure activity studies, isolation, purification & characterization of peptides, medicinal chemistry modification of peptides.
- Steroid Chemist – Ph.D. with 5+ years experience in industry or as academic faculty for design and synthesis of novel steroid therapeutics.
- Drug Metabolism/Pharmacokinetics – Ph.D. with 3-4 years experience in areas of drug metabolism and pharmacokinetics. Responsible for development and utilization of analytical chromatographic and RIA methods for monitoring drugs and metabolites in biological samples, isolate and identify metabolites utilizing instrumental methods.

For consideration, please submit curriculum vitae, (indicate position desired), description of research interests and salary requirements to: Director of Human Resources, MAGAININ PHARMACEUTICALS INC., 5110 Campus Drive, Plymouth Meeting, PA 19462.

Maggain Pharmaceuticals Inc., is located in new state-of-the-art facilities in suburban Philadelphia. We offer excellent salaries, benefits, outstanding scientific interactions and the opportunity to change the future of therapeutics. An Equal Opportunity Employer.
Positions Open

Assistant/Associate Professor of Surgery
University of Texas Medical School at Houston

Applications are invited for a tenure-track appointment as assistant/associate professor of surgery within the Department of Surgery. Individuals with a Ph.D. and/or M.D. or equivalent degree who are interested in molecular mechanisms of cancer, genetics and development, or immunology are encouraged to apply. The successful candidate will be expected to participate in the formulation and implementation of research initiatives in these areas. The candidate will be expected to supervise and participate in the development of research activities in these areas. The Director will be appointed as a tenured professor in the appropriate academic department at the University of Texas. The salary is intended to be attractive, to access to common laboratory space, research facilities and level of ongoing research support are exceptional.

Applications or inquiries stating full professional details and names of at least three referees should be directed to: Chair, Search Committee, Department of Surgery, Texas Medical Center, 6431 Fannin Street, Houston, TX 77030. Telephone: 713-792-5678. FAX: 713-792-5917 The University of Texas is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

Positions Open

CANCER CYTOTOGENETICIST. The City of Hope (COH) National Medical Center is seeking an ABMG-certified or Board-eligible cytogeneticist for the position of ASSOCIATE DIRECTOR. The candidate must have a doctorate degree (M.D. or Ph.D.) and a strong interest in clinical research experience in molecular cytogenetics. Experience in one area of clinical cytogenetic techniques is desirable. COH is a 220-bed institution dedicated to the diagnosis and treatment of hematopoietic, musculoskeletal and neoplastic diseases. Limited teaching, inquiries, curriculum vitae and references (three) should be submitted to: Dr. Marilyn Slovak, City of Hope National Medical Center, Cytogenetics, N.W. Building, Room 2255, 1500 East Duarte Road, Duarte, CA 91010. Active Physician/Equal Opportunity Employer.

BIOCHEMISTRY, FACULTY POSITION. Tenure-track position in the Department of Chemistry at Auburn University beginning September 1992 to participate in undergraduate and graduate teaching, and to initiate a high-quality, funded research program. Research experience and interests may be in any area of biochemistry, but nucleic acid biochemistry is preferred. Ph.D. and postdoctoral experience is required; teaching experience is desirable. Send curriculum vitae (noncitizens must include current visa status), statement of research interests and goals, and letters from three references to: Dr. J. H. Hargis, Department of Chemistry, Auburn University, AL 36849. Auburn University is an Equal Opportunity/Affirmative Action Employer. Minorities and women are encouraged to apply.

Faculty Positions—Zoology
Wesber State University (WSU)

The Department of Zoology invites applications for two tenure-track positions at the ASSISTANT PROFESSOR level starting in September 1992. Candidates with exceptional qualifications and experience will be considered at the ASSOCIATE level.

1) VERTEBRATE ZOOLOGIST: Teaching responsibilities include general education and upper division classes, e.g., comparative anatomy or course in specialty area. Research interests in development, behavior, comparative physiology, systematics or any area of vertebrate biology are acceptable. Assistant Professor is preferred.

2) MOLECULAR BIOLOGIST: Teaching responsibilities include general education and upper division classes, e.g., courses in cell biology or specialty area. Participation in biotechnician training program desirable.

Active research programs (preferably involving undergraduate research) expected. Send letter addressing teaching philosophy and research interests, curriculum vitae, and up to three reprints, and have three letters of reference sent to: Dr. Insu Zevulof, Chair, Department of Zoology, 950 Beaman Building, Weber State University, Ogden, UT 84408-1016. Telephone: 801-626-6166; FAX: 801-626-7445. Deadline is 3 March 1992. WSU is an Affirmative Action/Equal Opportunity Employer.

Associate/full member Molecular Sloan-Kettering cancer center

The Program in Molecular Biology, Sloan-Kettering Institute for Cancer Research (MSKCC), invites applications for a position as ASSOCIATE MEMBER or FULL MEMBER. The successful candidate will have an outstanding record of research accomplishment and will be using a combination of modern biochemical, cell biological, or molecular genetic approaches to study the regulation of cellular growth processes in higher eukaryotes. Areas of interest include: genome structure and function, cellular signaling mechanisms, replication, transcription, translation, oncogenesis, and developmental control mechanisms. Applications should include curriculum vitae, a summary of current research activities, feature research plans, and the names, addresses, and telephone numbers of at least four references. Please send applications, which we would appreciate receiving by 15 April 1992 to: Dr. Kenneth J. Marians
Chairman
Program in Molecular Biology
Memorial Sloan-Kettering Cancer Center
1275 York Avenue
New York, NY 10021
SFK/MSKCC is an Equal Opportunity Employer.

Positions Open

The Ben-Gurion University of the Negev

Tenure-track opening in the Program of Biotechnology. Main research should be related to bioceramics. Send curriculum vitae, three references and research plans to: Professor J. C. Merchuk, Department of Chemical Engineering, Ben-Gurion University, Beer Sheva 84105, Israel.

University of Virginia Department of Physics

The Department of Physics of the University of Virginia invites applications for a tenure-track faculty position in the area of experimental condensed matter physics. Exceptional candidates in other fields will also be considered. The position may be available in September 1992. Applicants should be demonstrably able to initiate an independent research program and be committed to excellence in undergraduate and graduate education. Apply to: Daniel Larson, Chairman, Physics Department, University of Virginia, McCormick Road, Charlottesville, VA 22901. The University of Virginia is an Affirmative Action, Equal Opportunity Employer and encourages applications from women and minority candidates.

Positions Open

Indiana University School of Medicine
Evansville, Indiana

Is seeking candidates for the tenure-track position of ASSISTANT DEAN, School of Medicine and DI- RECTOR, Evansville Center for Medical Education. In cooperation with the University of Southern Indiana and the University of Evansville, the center provides the first- and second-year medical curriculum as part of the Indiana University System of Statewide Medical Education. An interdisciplinary faculty is involved in teaching and in basic and clinical research. New facilities are currently under construction. Candidates must have an M.D. and/or Ph.D. and be experienced in medical education, research and administration. Salary is negotiable. Send curriculum vitae and references to: George T. Lukem- per, M.D., Chairman, Search Committee, Dean's Office, Fester Hall 302, 1120 South Drive, Indianapolis, IN 46202-5114.

Affirmative Action/Equal Opportunity Employer, M/F.

Director
Environnement and Sustainable Agriculture

Winfrock International, a leading nonprofit agricultural and rural development firm, seeks a Director for its Center for Environment and Sustainable Agriculture. The Director will be responsible for coordinating and providing leadership to the program, including strategy and program design; developing resources for program activities; leading a multidisciplinary team; and ensuring the Center"'s objectives are met. The successful candidate will be a Ph.D. or equivalent with five years of experience in agricultural or environmental science and management. Salary is base plus benefits. Applications should include a CV and names of three references. Send applications to: Dr. F. Ospina, Winrock International, PO Box 3, 376, Kerrville, TX 78028.

Positions Open

Applications are invited for the position of director of research in the Department of Obstetrics and Gynecology at the Albert Einstein College of Medicine. The successful candidate will be a Ph.D. or equivalent with five years of experience in teaching, medical research, and administration. Salary is base plus benefits. Applications should include a CV and names of three references. Send applications to: Dr. Yue-yu Chen, Department of Obstetrics and Gynecology, 8665 New York Avenue, College of Medicine, 5401 Old York Road, Philadelphia, PA 19141.
ELEANOR ROOSEVELT INSTITUTE
1992 SOMATIC CELL AND MOLECULAR GENETICS WORKSHOP

The Eleanor Roosevelt Institute is offering a Somatic Cell and Molecular Genetics Workshop, July 13-26, 1992. This NCI supported course provides a combined somatic cell and molecular biology workshop experience, designed to provide a "hands-on" introduction to the methodology and concepts of current molecular biology procedures for scientists who need to exploit these techniques for their continuing research programs. The content of this workshop also provides the basic techniques needed for researchers interested in initiating genome mapping studies. Included in the curriculum are: somatic cell hybridization and mutant isolation, yeast molecular biology, isolation and analysis of DNA and RNA, preparation and in vitro translation of polyadenylated mRNA, DNA-mediated gene transfer, PCR, pulse-field gel electrophoresis, DNA sequencing, Western, Northern, and Southern analyses, fluorescence in situ hybridization (FISH), and the construction, analysis, and screening of genomic libraries. Principal investigators whose research interests focus on malignancy are particularly invited to apply. A registration fee of $200 will be charged and a per diem stipend is provided. Applicants should submit a letter describing how the workshop will assist their current research, along with a curriculum vitae which lists publications (no abstracts) for the past five years only, to: Peggy J. Woodson, Somatic Cell & Molecular Genetics Workshop, Eleanor Roosevelt Institute, 1889 Gaylord Street, Denver, CO 80206. Please DO NOT send registration at this time. Application deadline: March 31, 1992. The Eleanor Roosevelt Institute is an equal opportunity/affirmative action institution and invites and encourages applications from women and minorities. Open to U.S. Citizens and Permanent Residents only.

POSTDOCTORAL RESEARCH FELLOW:
Transcriptional Regulation in the Nervous System

Highly motivated postdoctoral researchers sought to study the regulation of gene expression in the developing nervous system of mouse. Specific areas of interest include:

(i) Characterization of the DNA binding and transcriptional activities of neuronal-specific transcriptional regulatory proteins.

(ii) Identification and characterization of the regulatory elements that control the expression of neuronal target genes.

The CABM is a newly established molecular biology research institute with state-of-the-art facilities available. Interested candidates should send CV and arrange to have three letters of reference sent to:

Dr. Cory Abate
CABM
679 Hoes Lane
Piscataway, NJ 08854

Jointly Administered by the University of Medicine and Dentistry of New Jersey and Rutgers, The State University of New Jersey

SENIOR BIOLOGIST

Wyeth-Ayerst Research, a worldwide producer of biologics and pharmaceuticals, has a current opening for a Senior Biologist in its Radnor, Pennsylvania headquarters.

This position will be responsible for the maintenance of cell lines, virus propagation and purification, virus titrations and serological assays, including virus neutralizations, RIAs, ELISAs and Western Blotting. Additional responsibilities will include the ordering of reagents and equipment maintenance. A BS or MS in Biological Sciences (Microbiology, Immunology, Virology) and 4-5 years laboratory experience are required. Experience in cell culture techniques, virology and immunology are also necessary.

We offer competitive salaries and compensation programs in a modern, professional setting. For immediate consideration, forward your resume with salary requirements to: Wyeth-Ayerst Research Personnel, Position #12, P.O. Box 8299, Philadelphia, PA 19101. An equal opportunity employer, M/F/H/V responses encouraged. Principals only.
**DEPARTMENT OF BOTANY**

University of British Columbia

The Department of Botany at the University of British Columbia is seeking applications to fill two tenure-track positions. The first is in the area of **Departmental Botany**. Preference will be given to individuals employing a variety of approaches (molecular, genetic, cytological) to fundamental problems in plant development. The second is for a **Bryologist, Phycologist or Mycologist** whose research interests emphasize biodiversity, systematics, evolution or evolutionary ecology.

Candidates for these positions must have a Ph.D. degree and published evidence of research ability. The expected date of appointment is July 1, 1992 (or as negotiated). Application deadline is February 29, 1992 or until such time as suitable candidates are identified.

In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. UBC encourages qualified women and minority applicants. The position is subject to final budgetary approval.

Applicants should send a curriculum vitae, selected reprints, a statement of research interests and have at least three letters of reference sent to:

Dr. David H. Turpin, Head
Department of Botany
University of British Columbia
#3529 - 6270 University Blvd.
Vancouver, B.C. CANADA, V6T 1Z4

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**COLLABORATIVE RESEARCH, INC.** is an active participant in the Human Genome Project, having been awarded major grants and contracts for projects to map human chromosomes and sequence the genomes of important microorganisms. We are also a leader in developing DNA probe technology for the diagnosis of genetic diseases, for cancer testing and for use in personal identification.

**Senior or Postdoctoral Scientists**

**Molecular Biology**

Several positions available for Ph.D.'s in life sciences with molecular genetics experience and a strong interest in one or more of the following aspects of the Human Genome Project: multiplex sequencing and technology development; improving YAC vectors and constructing YAC libraries; physical and genetic mapping of human chromosomes; developing identity tests.

**Computational Molecular Biologist**

Will design innovative algorithms for genetic mapping, physical mapping and DNA sequence analysis for genome research. A Ph.D. or equivalent in Biology, Mathematics or Computer Science is required as well as a strong interest in genetics or molecular biology. Experience in FORTRAN, C, VMS, and UNIX is also required as is experience with relational and/or object oriented databases. Strong leadership and excellent communication skills are essential.

CRI's research facilities are located in Waltham, Massachusetts, a suburb of Boston. We have state-of-the-art laboratories and interact with the academic community and biotech industries which are prevalent in this area. We offer a very competitive compensation and benefits package.

Interested candidates should submit their curriculum vitae along with three references to: Collaborative Research, Inc., Attn: Human Resources, 1365 Main Street, Waltham, MA 02154.

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**MERCK**

A century of value and vision.

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**SENIOR RESEARCH BIOLOGIST/TOXICOLOGIST**

Merck Sharp and Dohme Research Laboratories has an immediate opening in its Agricultural Research and Development Department for a Biologist/Insect Toxicologist.

The successful candidate will be responsible for the evaluation and characterization of novel insecticide leads from our basic research programs and for making recommendations for further product development. The candidate will be expected to design and validate new bioassays for the discovery of synthetic chemical and natural product insecticides with unique mechanisms of action and to introduce these assays into high volume screens within our basic research program.

The successful candidate should have a Ph.D. or equivalent in Biology or related field with direct experience in Insect Toxicology/Biochemistry. Familiarity with techniques to evaluate mode of action and toxicokinetics of insecticides is essential.

Excellent salary and benefit programs accompany this position at our modern research facilities located 25 miles south of New York City. Please forward a curriculum vitae with a cover letter to: Human Resources Mgr., Dept. S-31, Merck Sharp and Dohme Research Lab, P.O. Box 2000, WBC-155, Rahway, New Jersey 07065-0900.

EEO/AA/VH/Employer

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**Senior Toxicologist**

Atlantic Richfield Company (ARCO), a Fortune 50 natural resources company and a leader in the petroleum industry, is seeking a Senior Toxicologist to add to its Environment, Health and Safety Department staff. The position will be located in the company's Los Angeles headquarters.

The successful candidate will perform toxicologic hazard and risk assessments, assure product safety regulatory compliance, represent the company on trade association committees and oversee product safety testing programs.

Applicants should possess a doctoral degree in Toxicology or a related public/environmental health science. In addition, at least five years of experience in regulatory toxicology is required. Specific familiarity with chemical or petroleum industry issues is preferred. Board certification is desirable. Frequent internal and external interactions will make excellent communication skills critical.

A competitive salary, benefit and relocation package will be offered. Confidential treatment of all inquiries can be assured.

Resumes should be directed to: ARCO, P.O. Box 2679, AP4285, Los Angeles, CA 90071.

ARCO representatives anticipate the interviews will be conducted at the upcoming Society of Toxicology meeting (February 23-28). Prompt replies are encouraged. If this is not convenient, other arrangements can be made.

Atlantic Richfield is an Affirmative Action/Equal Opportunity Employer.
Share Our Worldwide Commitment To Discovery.

As one of the world’s leading pharmaceutical companies, Eli Lilly and Company has a vision for tomorrow: to enhance the discovery of pharmaceuticals and expand our knowledge of medical research to benefit people the world over. We’ve had a direct presence abroad for more than 70 years, and today our products are available in more than 110 countries.

Supported by a research budget in excess of $700 million, our 4,000 research scientists and technicians are pursuing a wide range of important research projects. We’re developing innovative therapies for cancer; cardiovascular, pulmonary, and skeletal diseases; diabetes; CNS conditions; and bacterial, fungal, and viral infections.

We are seeking qualified scientists for our discovery research and development divisions. Applicants should have an MS or BS and research experience in biochemistry, pharmacology, physiology, behavioral pharmacology, aquatic toxicology, environmental toxicology, neuroscience, molecular biology, yeast genetics, or cell biology.

If you share our vision for the future and our commitment to scientific excellence, we invite your inquiry. For prompt consideration, please forward your resume to:


Amylin Pharmaceuticals, Inc. in San Diego, CA, is a development stage pharmaceutical company working on products for diabetes and related metabolic disorders, initially based on amylin, a recently discovered pancreatic beta cell protein hormone (see Cooper et al., Biochimica et Biophysica Acta (1989) 1014:247-58). The Department of Physiology is currently recruiting for a:

SENIOR SCIENTIST
METABOLIC RESEARCH

The selected candidate will have a demonstrated record of achievement in the study of metabolism and metabolic control. Candidates should have more than 5 years’ postdoctoral experience, and will have a working knowledge of the biochemistry of fuel homeostasis at levels of biological organization ranging from the cell to the whole organism. The research programs include the study of the effects of the pancreatic B-cell hormone, amylin, on key enzymes and metabolic pathways.

Amylin Pharmaceuticals, Inc. offers a stimulating and challenging opportunity to participate in a new area of biomedical science, as well as an excellent benefits package which includes equity participation. Please send your curriculum vitae and names and addresses of three references to: Ms. Audrey McGovern, Human Resources Administrator, Dept. 310, Amylin Pharmaceuticals, Inc., 3973 Towne Centre Dr., Suite 250, San Diego, CA 92121 or FAX (619) 552-2212. Amylin Pharmaceuticals, Inc. is an Equal Opportunity Employer.
POSITIONS OPEN

TENURE-TRACK FACULTY POSITION IN COMPLEX SYSTEMS AND BRAIN SCIENCE is anticipated (pending legislative approval) at Florida Atlantic University (FAU) assigned to a new NIH-funded Center for Complex Systems, P.O. Box 3091, Boca Raton, FL 33431. FAU is an Equal Employment Opportunity/Affirmative Action Employer.

FACULTY POSITION UNIVERSITY OF PITTSBURGH

The Department of Behavioral Neuroscience is seeking candidates for a tenure-track position available July 1992. Successful candidate(s) will be expected to establish a research program in one of two areas: (1) in vivo hippocampal electrophysiology, preferably with behavioral expertise in memory and learning, and (2) synaptic and/or neural pathology, preferably in the area of physiology and biophysics of synaptic transmission in the vertebrate brain. Applicants should have a Ph.D. or M.D. degree and postdoctoral research experience. Faculty rank, salary, and benefits will be commensurate with experience. Please send curriculum vitae, a one-page statement of research goals, name of three references, and three representative publications to:

Dr. German Barrionuevo
Search Committee Chairperson
Department of Behavioral Neuroscience
440 Crawford Hall
University of Pittsburgh
Pittsburgh, PA 15260

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

HEAD DEPARTMENT OF ANIMAL SCIENCE

IOWA STATE UNIVERSITY

Iowa State University is seeking candidates for the position of Head, Department of Animal Science. The successful candidate must have an earned doctorate in animal science or closely related field of animal agriculture and demonstrated excellence in research, teaching, and/or service. Candidates should have demonstrated leadership qualities, public relations skills and administrative experience. A strong understanding of undergraduate and graduate teaching, research, and extension programs is essential. Experience in soliciting and obtaining extramural funding is highly desirable. The ability to communicate effectively with professional and academic communities and with agribusiness is required. The successful candidate must qualify for the rank of professor with tenure in the Animal Science Department.

The Department of Animal Science consists of 52 tenure-track and adjunct faculty and 116 support staff persons. The department offers B.S. degrees in animal science and in animal science and genetics, M.S. and Ph.D. degrees in animal breeding, animal nutrition, meat science, muscle biology, nutritional physiology, poultry nutrition, poultry products technology and physiology of meat; and the M.S. degree in animal production. The department currently has more than 500 undergraduates and 100 graduate students.

To apply, candidates should provide a letter of application, résumé, and the name, address and telephone number of three references qualified to comment on the candidate’s qualifications. Completed applications must be received by 1 April 1992 or until position is filled. Position is available 1 July 1992. Send applications to: Dr. James Gilley, Chair, Search Committee, 122 Curtis Hall, Iowa State University, Ames, IA 50011.

Iowa State University is an Equal Opportunity/Affirmative Action Institution. Women, minorities and members of other protected groups are encouraged to apply.

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POSITIONS OPEN

VICE CHAIRPERSON. The Department of Pathology at Wayne State University invites applications for a Vice Chairperson to direct an experimental pathol- 

ogy section. The position includes teaching pathology residencies in the University with two-year medical students organizing the med- 

ical student teaching program. The individual will also be charged with building a cancer-related research group. Wayne State University Medical Center is comprised of a neoplas- 

tic cancer center, which is comprised of six hospitals with 45 pathologists and 26 Ph.D.’s. Interested appli- 

ca should submit their curriculum vitae and references to: John D. Crissman, M.D., Professor and Chair, Department of Pathology, Harper Hospital, 3990 John R., Detroit, MI 48201, in an Equal Opportunity/ 

Affirmative Action Employer, M/F.

ASSISTANT STAFF POSITION SECTION OF DIGESTIVE DISEASE RESEARCH

The CLEVELAND CLINIC FOUNDATION

Two new positions at the Assistant Staff (Professor) level are available in the Section of Digestive Disease Research, Research and Clinical Foundation. Positions are targeted for expansion of basic in- 

vestigation in inflammatory bowel disease. The candidates should have a Ph.D. and be available for an independent career in research. Their area of expertise can include molecular biology, cell biology, immunol- 

ogy, biochemistry, etc., but they must be interested in the functional and/or bioinforma-

tion as a mechanism of disease. Package includes labora-

tory space, equipment, supplies, and salary for the staff and technical/fellows, and is negotiable depending on qualifications. Interested individuals should send curricul-

um vitae and correspondence to:

Dr. Claudio Fiocchi
Section of Digestive Disease Research
Research Institute NN-26

The Cleveland Clinic Foundation

9500 Euclid Avenue

Cleveland, OH 44195

The Cleveland Clinic Foundation provides a smoke-free environment and is an Equal Opportunity Employer.

RESEARCH FACULTY POSITIONS BOSTON BIOMEDICAL RESEARCH INSTITUTE

Applications are invited from scientists with a Ph.D. or M.D. degree and postdoctoral training to conduct inde- 

pendent research in the broad area of molecular/cellular biology and neurology. Independent, extramurally funded. Start-up costs and initial support are available. The institute is an independent nonprofit research orga-

nization committed to attracting and retaining top quality neuroscience scholars. Interested candidates should send curriculum vitae, a statement of research interests and names of three references to: Search Committee, Boston Biomedical Research Institute, 20 Stanford Street, Boston, MA 02114.

Boston Biomedical Research Institute is an Equal Opportunity Employer.

BIOLOGY FACULTY. The Department of Biology at the University of Southwestern Louisiana (USL) invites applications for two tenure-track positions to support the doctoral program in environmental and evolutionary biology. We seeks a microbiologist with research interests in microbial systematics, and a cell biologist with research interests in neurobiology or immunobiology. Biology faculty are expected to develop an active research program, and to participate in graduate and undergraduate education. Research interests of the faculty range from molecular to ecosystem studies. USL is an exceptionally well-equipped R1 research institution. Research areas include the Primate Research Center, Center for Crustacean Biology, Marine Biology Laboratory, and the Louisiana Optical and Supercomputing Laboratory (LUMCON) marine laboratory and research vessels, and U.S. Fish and Wildlife Service National Wetlands Re-

search Center. Applicants should submit curriculum vitae, a concise statement of research goals, and the names, addresses and telephone numbers of three references by 1 March 1992 to: Dr. R. Bourke, Chair, Department of Bio-

ogy, University of Southwestern Louisiana, Lafayette, LA 70504–2451. Applications will be reviewed starting 1 March 1992 and continue until the positions are filled.

Affirmative Action/Equal Opportunity Employer.

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POSITIONS OPEN

FACULTY POSITION IN ANATOMY AND PHYSIOLOGY. The Biology Department, Middle Tennessee State University (MTSU) invites applications (Ph.D.) for two tenure-track teaching positions begin-

ning August 1992. Successful candidates must have strong backgrounds in anatomy and physiology, and shall teach lecture and laboratories in human anatomy and physiology and research. Also, applicants must be able to teach at least one of the following courses: general physiology, embryology, histology, parasitology. Research/public service is expected. Equal Opportunity/ 

Affirmative Action Employer. Applications are encouraged to apply. Application deadline is 6 March 1992. Send application, transcripts and three letters of reference to: Dr. Bell, Chair, Department, Box 328, MTSU, Murfreesboro, TN 37132. Position contingent on funding availability.

BIOLOGY: THREE FACULTY POSITIONS. Applications are invited for three assistant professor positions beginning August 1992 (Ph.D. required). (1) Genetist to teach general genetics, (2) physiologist to teach human physiology and anatomy, and (3) general biologist to teach in the freshman program. Ability and willingness to teach freshman biology is required of all candidates. In addition to teaching, candidates are expected to advise majors. Xavier University is a predom-

inantly African-American, Catholic, liberal arts institution, and is committed to affirmative action and equal opportunity. Application deadline is 28 February 1992 (or until filled). Send resume, official graduate transcripts, and three letters of recom-

mendation to: Willie J. Cañey, Jr., Chairman, Search Committee, Department of Biology, Xavier University, New Orleans, LA 70128.

DEPARTMENT OF PHYSIOLOGY SCHOOL OF MEDICINE

MEHARRY MEDICAL COLLEGE

TWO TENURE-TRACK POSITIONS are avail-

able immediately in the Department of Physiology. Ap-

clications are invited for individuals with research expertise in the areas of CARDIOVASCULAR PHYSIOLOGY and NEUROSCIENCE. The department has rather broad interest but would encourage applications from individ-

uals who incorporate cellular and molecular biological approaches in their research. Candidates should have a Ph.D. and/or M.D. degree, postdoctoral experience, and a demonstrated record of excellence in research. The successful candidate will be expected to participate fully in the department’s teaching and program and to develop an independent extramurally funded research program.

The college has a strong commitment to research and offers excellent start-up funds and well-equipped facil-

ities. Applicants are asked to provide curriculum vitae, a summary of research plans, three or more repre-

sentative publications, and three letters of reference to:

Dr. James G. Townsend
Professor and Chairperson
Department of Physiology
Meharry Medical College
1005 D. B. Todd, Jr. Boulevard
Nashville, TN 37208

Telephne: 615–327–6288

POSTDOCTORAL FELLOWSHIPS are available to study the catalytic and regulatory properties of peroxin-depen-

dent hydroxylases. A combination of enzyme kinetics, spectroscopy, protein chemistry, and site-directed muta-

genesis is being used to determine the mechanism of catalysis, the role of the active site iron, and the effects of phosphorylation on catalysis and structure. Ph.D. in biochemistry of related field required. Send curriculum vitae and names of three references to: Dr. Paul Fitz-

patrick, Department of Biochemistry and Biophysics, Texas A&M University, College Station, TX 77843.

POSTDOCTORAL POSITIONS IN COMPUTATIONAL BIOLOGY. Available immediately and initially for one year to work on the development of an object-oriented database, query language, and verifica-

tion tools to be used with the Protein Data Bank (PDB). A knowledge of protein structures and programming techniques is preferred. Send FAX, or Email curriculum vitae and names of the three references to R. Bourke, Chair, Department of Biochemistry and Biophysics, Columbia University, 630 West 168th Street, New York, NY 10032. FAX: 212–305–7970; Email system@cuhca.ihmi.columbia.edu.

SCIENCES, VOL. 255

760
POSTDOCTORAL POSITION in RPE-PHOTORECEPTOR CELL TRANSPLANTATION STUDIES IN THE DISEASED AND AGING RETINA

Available for a recent Ph.D. who is interested in retinal pigment epithelium/photoreceptor cell relationships. Sound training in molecular biology techniques required. Competitive salary. Send complete curriculum vitae and three letters of recommendation to: Dr. James E. Turner, Department of Neurobiology and Anatomy, Wake Forest University Medical Center, Winston-Salem, NC 27157. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately to study transcriptional responses induced by genotoxic stress in mammalian cells. Studies will focus on the regulation of HIV-1 expression by genotoxic stress and on HIV-1 regulatory features shared with cellular stress-response genes. Salary is $25,000 to $28,000 per year. Experience in molecular biology preferred. Send curriculum vitae and names of three references to: Dr. A. J. Formace, Jr., Laboratory of Molecular Pharmacology, Building 37/Room S09, National Institutes of Health, Bethesda, MD 20892. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

Available to study the structure and function of the cystic fibrosis gene product (CFTR). Successful applicants will join a multidisciplinary research program exploring molecular, biochemical, optical and electrophysiological techniques to characterize the mechanisms by which CFTR regulates Cl-conductance and vasoconstricting in epithelial cells and defects in these mechanisms in cystic fibrosis. Individuals with an M.D. or Ph.D. in physiology, biochemistry, cell biology or a related discipline are encouraged to submit their curriculum vitae to:

R. A. Frizzell, Department of Physiology and Biophysics, University of Alabama at Birmingham (UAB), UAB Station, Birmingham, AL 35294-0005. UAB is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study regulatory mechanisms involved in alternative RNA splicing in mammalian systems. Experience in molecular biology and work with proteins is highly desirable. Send curriculum vitae and names of three references to: Dr. P. J. Grabowski, Department of Biological Sciences, University of Pittsburgh, Pittsburgh, PA 15260. The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL AND STAFF POSITIONS BIOMATERIALS, TISSUE MODELING AND SIMULATION GROUP

Gliatech, Inc., a growing pharmaceutical company dedicated to understanding and utilizing the unique properties of neuronal cells in treating nervous system disorders, has two openings for post-doctoral fellows in our Alzheimer’s disease research program. The successful candidates will have received their Ph.D. degrees and have experience in either 1) neuropharmacology with an emphasis on receptor-ligand interactions, 2) neuronal-glial interaction using cell culture techniques, or 3) the biochemistry of proteoglycans. Appointments are for one year renewable for a second year.

Gliatech is located in suburban Cleveland and maintains close interactions with Case Western Reserve University. In addition to a competitive salary and benefits package, Gliatech also encourages scientific publications. Qualified candidates are encouraged to submit their curriculum vitae to:

Gliatech, Inc., Corporate Recruiting, 23420 Commerce Park Rd., Cleveland, OH 44122.
POSTDOCTORAL POSITIONS
JOHNS HOPKINS UNIVERSITY

A postdoctoral position is currently open for an individual interested in parasite biochemistry. The focus will be on glucose catabolism in trypanosomes which cause African sleeping sickness. Applicants should have a strong background in protein biochemistry with some molecular biological experience. Send curriculum vitae, and names of three references to: Dr. Peter L. Pedersen, Department of Biological Chemistry, School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205, Equal Opportunity Employer.

A position is available at the McGill AIDS Centre, Lady Davis Research Institute, Montreal, Quebec, for a POSTDOCTORAL FELLOW to work on molecular genetic analysis of rod photoreceptors and genes encoding proteins involved in phototransduction. Knowledge of molecular biology is required. The position is available for July 1993. Send curriculum vitae and names of three references to: Dr. D. F. Ashworth, McGill AIDS Centre, 15115 Mont-Royal Avenue, Montreal, Quebec, Canada, H3G 1B5.

A POSTDOCTORAL position is available for an individual with expertise in molecular biology or protein chemistry. This research focuses on molecular and cellular mechanisms of activation and signal transduction by bacterial endotoxin and other inflammatory mediators leading to cicosanoid and cytokine production. The successful candidate will use molecular and protein purification techniques. Send curriculum vitae and names of three references to: Dr. E. A. Fausti and J. O. H. Nasi, Department of Pharmacology, Medical College of Wisconsin, 9200 W. Wisconsin Avenue, Milwauke, WI 53226. E Mail: fausti@pcma.mcw.edu

A POSTDOCTORAL position is available to study regulation of cardiac myocyte ion currents and contractions by neurotransmitters, amphiobies and intracellular messengers. Candidates with a strong background in basic pharmacology should have broad preparation in ion channels and the use of electrical and pharmacological techniques. Send curriculum vitae and names of three references to: Dr. J. H. LaMorte, Department of Pharmacology, University of Alabama at Birmingham, School of Medicine, Birmingham, AL 35294.

POSTDOCTORAL FELLOW Position is available at the Medical College of Wisconsin, Milwaukee, WI, in the Department of Pharmacology. The successful candidate will use molecular and biochemical techniques to study the regulation of cardiac myocyte ion currents and contractions by neurotransmitters, amphibiotics and intracellular messengers. The candidate will have a strong background in pharmacology and should have broad preparation in ion channels and the use of electrical and pharmacological techniques. Send curriculum vitae and names of three references to: Dr. J. H. LaMorte, Department of Pharmacology, University of Alabama at Birmingham, School of Medicine, Birmingham, AL 35294.

POSTDOC FELLOW Position is available at the University of Michigan, Ann Arbor, MI, in the Department of Pharmacology. The successful candidate will use molecular and biochemical techniques to study the regulation of cardiac myocyte ion currents and contractions by neurotransmitters, amphibiotics and intracellular messengers. The candidate will have a strong background in pharmacology and should have broad preparation in ion channels and the use of electrical and pharmacological techniques. Send curriculum vitae and names of three references to: Dr. J. H. LaMorte, Department of Pharmacology, University of Alabama at Birmingham, School of Medicine, Birmingham, AL 35294.

POSTDOCTORAL POSITIONS
UNIVERSITY OF TEXAS AT AUSTIN

POSTDOCTORAL RESEARCH FELLOWSHIP. For study of human antibodies that inactivate coagulation factor VIII, structure-function analysis of factor VIII, and studies of the nature of the molecular defects in hemophilia A. Immediate opening. Send curriculum vitae and names of three references to: Dr. Gary R. Khoury, Department of Microbiology J-19, University of Texas Medical Branch, Galveston, TX 77555-1019. UTMB is an Equal Opportunity/Affirmative Action Employer, M/F/H/V. UTMB hires only individuals authorized to work in the United States.

POSTDOCTORAL FELLOWSHIP IN STRUCTURAL BIOLOGY. Ph.D. or M.D. with interest in structure determination by x-ray crystallography to join an ongoing project on the structure of microtubule-based motor assemblies. Experience in image processing and/or electron microscopy desirable. Send curriculum vitae, summary of past work and three references to: Dr. A. M. Altman and J. W. Henderson, Department of Molecular Physiology and Biophysics, PO Box 20867, Nashville, TN 37208.

POSTDOCTORAL FELLOWSHIP IN PROTEIN BIOCHEMISTRY. Ph.D. must be familiar with recombinant DNA techniques to study the biology of proteins involved in signal transduction. Send curriculum vitae, summary of past work and three references to: Dr. H. K. Lickliter, Department of Medicine, Division of Molecular Physiology and Biophysics, University of Alabama at Birmingham, Birmingham, AL 35294.

POSTDOCTORAL RESEARCH FELLOWSHIP. J. S. L. H. Karzon, Department of Medicine, University of Texas Health Science Center, San Antonio, Texas 78284. UTMB is an Equal Opportunity/Affirmative Action Employer, M/F/H/V. UTMB hires only individuals authorized to work in the United States.

POSTDOCTORAL POSITIONS
UNIVERSITY OF CHICAGO

POSTDOCTORAL POSITIONS Available starting 1 July 1992 for Ph.D. or M.D. degree holders with expertise in cardiovascular biology and pharmacology to study the role of endothelial cell-derived factors on vascular smooth muscle cells. Send curriculum vitae and names of three references to: Dr. J. A. McGuire, Department of Pharmacology, Section of Cardiovascular Medicine, University of Chicago, 5841 South Maryland Avenue—MC1028, Chicago, IL 60637.

POSTDOCTORAL RESEARCH FELLOWSHIP. POSTDOCTORAL FELLOW OR RESEARCH ASSOCIATE (ASSISTANT PROFESSOR) IN CELLULAR AND MOLECULAR BIOLOGICS OF INSULIN SECRETION. UNIVERSITY OF CHICAGO. Positions are available for candidates with Ph.D. or M.D. degree holding with expertise in cellular and molecular biology of insulin secretion. Applicant should have a strong background in molecular and cellular biology, and particularly in glucose metabolism. Send curriculum vitae, names and addresses of three references and a summary of relevant research experience to: Graeme I. Bell and Richard J. Miller, Department of Medicine, 5841 South Maryland Avenue—MC1028, Chicago, IL 60637.

POSTDOCTORAL FELLOWSHIPS
UNIVERSITY OF WASHINGTON

POSTDOCTORAL RESEARCH FELLOWSHIP. The Rockefeller Foundation. Positions are available immediately for Ph.D. graduates in pharmacology and cell biology to study the nature and structure of G proteins involved in light-activated cellular signaling. Send curriculum vitae to: Dr. J. McLachlan, Department of Pharmacology, University of Washington, Seattle, WA 98195.

POSTDOCTORAL RESEARCH FELLOWSHIP. The Rockefeller Foundation. Positions are available immediately for Ph.D. graduates in pharmacology and cell biology to study the nature and structure of G proteins involved in light-activated cellular signaling. Send curriculum vitae to: Dr. J. McLachlan, Department of Pharmacology, University of Washington, Seattle, WA 98195.

POSTDOCTORAL RESEARCH FELLOWSHIP. The Rockefeller Foundation. Positions are available immediately for Ph.D. graduates in pharmacology and cell biology to study the nature and structure of G proteins involved in light-activated cellular signaling. Send curriculum vitae to: Dr. J. McLachlan, Department of Pharmacology, University of Washington, Seattle, WA 98195.

POSTDOCTORAL RESEARCH FELLOWSHIP. The Rockefeller Foundation. Positions are available immediately for Ph.D. graduates in pharmacology and cell biology to study the nature and structure of G proteins involved in light-activated cellular signaling. Send curriculum vitae to: Dr. J. McLachlan, Department of Pharmacology, University of Washington, Seattle, WA 98195.

POSTDOCTORAL RESEARCH FELLOWSHIP. The Rockefeller Foundation. Positions are available immediately for Ph.D. graduates in pharmacology and cell biology to study the nature and structure of G proteins involved in light-activated cellular signaling. Send curriculum vitae to: Dr. J. McLachlan, Department of Pharmacology, University of Washington, Seattle, WA 98195.
**POST-DOCTORAL POSITIONS**

NIA-Drug Discovery Group-Alzheimer’s Disease

**Bio-Organic Chemistry** - Design and synthesis of probe and inhibitor molecules to identify and study proteases involved in neurodegenerative processes. Experience in synthetic chemistry and inhibitor enzymology are essential. Skills in protein purification and analysis, and/or molecular modeling are also desirable. Positions with Dr. Grant Krafft, DDG-AD Principal Investigator, in the Structural Biology group at Abbott. **Reply to: Job Code BOC.**

**Protein Biochemistry** - Fractionation and isolation of proteases associated with neurodegenerative processes and studies of neural proteases as pre-mortem markers of Alzheimer’s disease. Experience in protein isolation from tissue, enzyme assays, immunoassays and protein analysis is essential. Knowledge of protease biochemistry and familiarity with human brain anatomy and handling of brain tissue will be valuable. Position with Dr. Hossein Ghanbari, head of Neuropsychiatric Markers research at Abbott. **Reply to: Job Code PB.**

**Physical/Analytical Protein Biochemistry** - Purification and characterization of proteases associated with neurodegenerative processes. Experience in analytical and preparative protein separations is essential. Skills in peptide mapping, sequencing, chemical modification, or capillary electrophoresis are desirable. Additional experience in protein fluorescence/CD spectroscopies, protease kinetics, protein folding, glycoprotein characterization or protein mass spectroscopy will be beneficial. Positions with Dr. Thomas Holzman, head of the Protein Biochemistry group at Abbott. **Reply to: Job Code P/A PB.**

**Molecular Neurobiology** - Design, expression and analysis of wild type and mutant amyloid precursor protein (APP) constructs in cell culture and transgenic animals to establish models of Alzheimer’s disease. Extensive experience in molecular biology and knowledge of cellular biology are essential. Skills in protein analysis (Western blots, immunofluorescence) and familiarity with production and breeding of transgenic animals are desirable. Positions with Dr. Donald Frail in Corporate Molecular Biology at Abbott, in collaboration with Dr. Phil Iannoccone at Northwestern University Medical School. **Reply to: Job Code MN.**

**Cellular Neurobiology** - Mechanisms triggering and underlying the aberrant breakdown of APP, studied in human and animal cell models of neurodegeneration. A productive background in molecular cell biology of membranes and cytoskeletons would be most suitable, although individuals with other experience but excellent ability in biochemistry or molecular biology also would be appropriate. Positions with Dr. William Klein, Professor of Neurobiology at Northwestern University. **Reply to: Job Code CN.**

Both Abbott Laboratories and Northwestern University are located in attractive suburban areas on the shores of Lake Michigan, just north of Chicago. Find out more about the excellent salary and benefits this collaborative environment has to offer. For consideration, please send a curriculum vitae indicating position of interest (to facilitate handling, please indicate appropriate Job Code on the envelope), including the names and addresses of three references, to: Patricia Handy, Corporate Placement, Dept. NU, Abbott Laboratories, One Abbott Park Rd., Abbott Park, IL 60064. Affirmative Action Employer/Smoke-Free Environment.

**ABBOTT LABORATORIES**

Quality Health Care Worldwide
1888-1992

*T*oday, two of Chicago’s most respected names in research, ABBOTT LABORATORIES and NORTHEASTERN UNIVERSITY, are undertaking a major new initiative to expedite and expand the development of effective drugs for the treatment of Alzheimer’s Disease. Designated a national research center by the National Institute on Aging (NIA), this is a unique opportunity to experience the resources of these two institutions.
**Assistant Professor**

University of Wisconsin Hospital and Clinics is seeking an Assistant Professor, Molecular Diagnostics to work in the Department of Pathology and Laboratory Medicine.

Responsibilities of this non-tenure track position will include supervision, research and development in the newly organized Molecular Probe Laboratory (participation in the Clinical Flow Cytometry Laboratory is additionally anticipated). Specifically, this includes the application of molecular genetic techniques, including Southern and polymerase chain reaction methodologies, in the diagnosis of malignant and infectious diseases. Candidate will also participate in scholarly activities including clinical applied research, education of medical residents and fellows, graduate and medical students and medical technology students. Development of new assays and procedures; improvement of current procedures; interpretation and application of current literature and establishment of quality control and quality assurance programs also required. Ph.D. with a background in molecular biology preferred.

If interested and qualified, send curriculum vitae and names of three references, to be received prior to February 28, 1992 to: Karl Voelkerding, University of Wisconsin Hospital and Clinics, Division of Laboratory Medicine, 600 Highland Avenue B4/249 CSC, Madison, WI 53792.

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**NeuroGenetic Corporation**

NeuroGenetic Corporation is a rapidly growing biotechnology company involved in the discovery and cloning of neurotransmitter receptors and other sites of drug action. By pioneering advances in the basic neurosciences, we are creating a pathway to the next generation of neuro-psychiatric treatments. Current expansion of our Cellular and Molecular Biology Programs has created opportunities for Ph.D. scientists with postdoctoral experience in the following area:

**Cell/Molecular Biologist**

This position requires experience in running a mammalian cell biology laboratory. The ideal candidate would have experience in the design and implementation of recombinant cell culture expression systems, and familiarity with second messenger systems, mass cell culture techniques, expression vectors, and transfection technologies. This position also provides opportunities for involvement in molecular biology projects. (Dept 128)

**Senior Cell Culture Associate**

Responsibilities include the continuous culture of mammalian cell lines for pharmacological assay as well as overall management of the laboratory. A BS or MS in the biological sciences and 3-5 years experience in mammalian cell culture are required. (Dept 129)

NeuroGenetic Corporation occupies well-equipped, modern laboratories in an suburban environment near New York City. We offer a stimulating multidisciplinary environment, competitive salaries and benefits.

Please include department code with application. For consideration, please submit your Curriculum Vitae to:

Human Resources Manager  
NeuroGenetic Corporation  
215 College Road  
Paramus, New Jersey 07652

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**The quality of R&D depends on the quality of the resources.**

**ONCOLOGY Associate Scientist**

Opportunity to explore the role of oncoproteins in tumorigenesis and help discover novel anti-cancer agents using transgenic mouse models of human disease. Requires experience in molecular biology techniques (e.g., restriction digests, Southern blots, Northern blots, plasmid preps, DNA sequencing, and enthusiasm for learning new techniques) and working with transgenic mice. Experience with transgenic mouse technology a plus, but not required. Refer to 92-00-1.

**ATHEROSCLEROSIS RESEARCH Post-Doctoral Fellow**

The Atherosclerosis Research Group seeks a post-doctoral fellow to research aspects of cellular cholesterol and lipoprotein metabolism. Qualified applicants should have a degree in biochemistry, cellular physiology, or a related field with proven expertise in lipid research. Refer to 92-01.

**BIOASSAY DEVELOPMENT Associate Scientist**

Become part of a team responsible for the development and validation of novel cytokine bioassays. Candidate should have experience in tissue culture and cell biology. Knowledge of signal transduction desirable. Refer to 91-97.

All positions offer highly competitive salaries, superior benefits, and all the challenge and growth potential an international industry leader can offer. Applicants should submit their CV, indicating position of interest to: George Cuaba, Human Resources Dept., Schering-Plough Research, 60 Orange Street, Bloomfield, NJ 07003. We are an equal opportunity employer.

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**Geisinger Clinic**

**POSTDOCTORAL POSITION**

Applications are invited from candidates with backgrounds in molecular biology, protein biochemistry or cell biology to participate in research focused on low molecular mass GTP-binding proteins involved in vesicular transport and signal transduction in mammalian cells under the direction of Dr. William Maltese. Specific emphasis is placed on defining the influence of post-translational modifications (e.g., isoprenylation) on the functions of these proteins.

The Geisinger Center is a well-equipped modern research facility located in an attractive region of central Pennsylvania. We offer competitive stipends, excellent benefits and opportunities for collaborative interactions. For consideration, please send curriculum vitae, brief statement of interests and names of three references to: Human Resources Dept, Weis Center for Research, Geisinger Clinic, Danville, PA 17822-3024. Equal Oppy Employer M/F/H/V.
SCIENTISTS • RESEARCH ASSOCIATE

Athena Neurosciences, Inc., a biotechnology company committed to the discovery and development of new products to diagnose and treat diseases of the central nervous system. We are seeking individuals to fill the following research positions.

Scientist • Transgenic Group

As the group leader, you will develop and analyze models of various aspects of Alzheimer’s Disease. Includes validating models for use as drug development tools. Requires a Ph.D. and at least four years related postgraduate experience.

Scientist • Immunochemistry

You will oversee characterization, purification and immunoassay development of polyclonal and monoclonal antibodies to be utilized in our diagnostic and therapeutic programs in the Company. Requires a related degree and at least three years immunochemistry/immunoassay design experience. A Ph.D. is preferred.

Scientist • Enzymology/AD Therapeutics

You will use biochemical, immunochemical and enzymological techniques to isolate and characterize enzymes and proteins relevant to amyloid formation, from cell cultures and primate tissue. Requires a Ph.D., two years experience and a broad background in protein chemistry or enzyme characterization.

Research Associate • Transgenics/Molecular Biology

We are seeking an individual with a BS or MS and 2+ years’ experience in the generation of transgenic mice. Additional experience in molecular biology or immunochemistry is also desired. This position will be involved with modeling certain aspects of Alzheimer’s Disease and related neurodegenerative diseases.

We offer an innovative and exciting scientific environment with competitive salaries and benefits. Reference job title when sending your CV. Athena Neurosciences, Inc., 800F Gateway Boulevard, South San Francisco, CA 94080. EOE.

Pharmaceutical Research & Development Positions

Genentech, a leader in the biotechnology industry and headquartered in South San Francisco, has exceptional opportunities within our Pharmaceutical R&D department for both a Scientist and Research Assistant.

The studies these researchers will focus on involve the development of new dosage forms and delivery systems for protein and peptide drug entities. This includes the physical and chemical characterization of proteins with regard to compatibility with pharmaceutical excipients and delivery systems as well as the assessment of dosage form stability.

The Scientist position requires a PhD in Physical Chemistry, Biochemistry or Pharmaceutical Chemistry with emphasis on physical/analytical concepts and either industrial experience in pharmaceutical formulation R&D or at least a year of postdoctoral experience in protein physical biochemistry or analytical biochemistry. Experience with proteins and a fundamental knowledge of analytical biochemistry techniques are also required.

The Research Assistant position requires a BS/MS in Physical Chemistry, Biochemistry or Pharmaceutical Chemistry, experience with proteins and knowledge of analytical biochemistry techniques. A minimum of one year of related industrial or academic experience is also required.

Our progressive company offers an extensive benefits package which includes fully paid dental/medical/vision coverage for you and your dependents, child care facilities and free health club membership. For immediate consideration, send your resume to Genentech, Inc., Human Resources Dept. LPMP, 460 Point San Bruno Blvd., South San Francisco, CA 94080. We actively support and promote affirmative action and equal employment opportunity.
POSITIONS OPEN

The Departments of Medicine and Microbiology and Immunology at Loyola University Medical Center are seeking a Ph.D. IMMUNOLOGIST to assist in establishing a basic research program in the immunobiology of candidiasis. The successful candidate will be granted a salaried full-time tenure-track faculty position at a level commensurate with qualifications and experience. Ph.D. candidates interested in the use of monoclonal antibodies to localize plant cell wall polysaccharides. (The project will be carried out in collaboration with Dr. Melvin Fuller of the Department of Botany). M.Sc. in biology or biochemistry or an equivalent combination of education and experience required. Experience with electron microscopy is desirable. Salary depends on position; potential start-up funds may be available. Review applications until 1 March 2009. Please send curriculum vitae and letter of application to: Dr. Alan Darvill or Peter Albersheim, Complex Carbohydrate Research Center, The University of Georgia, 220 Riverbend Road, Athens, GA 30602. An Equal Employment Opportunity/ Affirmative Action Institution.

POSITIONS OPEN

RESEARCH ASSOCIATE/CTYGENETICS. Private laboratory in Nashville, Tennessee, seeks Ph.D. in genetics with 3 years of experience in cyrognetics research and diagnosis or 3 years of experience as research associate or fellow in virology. Experience must include 2 years of solid tumor tissue culture/diagnosis and 3 years of analysis using high resolution banding chromosome-smear analysis. Salary: $25,746 per year. Send résumé/references to: Mike Daniel, Job Service Program and Technical Support, Tennessee Department of Employment Security, Nashville, TN 37245-1110. #TN11258961.

ASSOCIATE RESEARCH SCIENTIST

We anticipate one or more openings at the Postdoctoral position level with the immunology section. Research focuses on the immune response of mice to virus using molecular and cellular immunology and studies of immunopathogenesis. Outstanding candidates, with a background in immunology, biochemistry, cellular or molecular biology, are requested to send curriculum vitae and have at least three letters of recommendation. Salary: $38,750. Send résumés to: The Charles Darwin Research Station, 1065 Sycamore Road, Nekula, IL 61015.

POSITIONS OPEN

TECHNICAL STAFF—ATMOSPHERIC SCIENCE. Ph.D. atmospheric sciences. One year of experience in the job offered or 1 year of experience as a research assistant. Education and/or experience should include the specialty of micrometeorology. Conduct atmospheric science research on the exchange of heat, mass, and momentum at land and water surfaces. Develop mathematical descriptions of air-surface exchange processes. Apply quantitative models. Experimental, theoretical, and numerical studies are involved. Salary: $3500 per month; 40 hours per week. Must have a valid driver's license. Send résumés to: United States Department of Employment Security, 401 South State Street—3 South, Chicago, IL 60605. Attention: Mary Milla, Reference #VIL-9080. No calls. Must have proof of本领work permanently in the United States. An employer-paid ad.

CLINICAL PROJECT MANAGER, HEPATITIS/AIDS. Design and carry out clinical investigation/ projects on the diagnosis, therapeutic monitoring and treatment of HIV/AIDS, particularly in terms of research involving the organization and supervision of a Bio-Safety Level 2 facility. Identifies and contacts potential clinical investigators, examines the facilities and negotiates with the investigators on budgets, equipment, personnel, laboratory arrangements, etc. Reports study results at national and international level in top class journals and conferences. Ph.D. in biological chemistry and 1 year, 6 months of experience as clinical project manager, hepatitis/AIDS or 1 year, 6 months of experience as postdoctoral fellow required. Other special requirements include 1-1/2 years experience in retrospective research involving the organization and supervision of a Bio-Safety Level 2 facility as well as the use of ecotypic and amphotropic viruses in tissue culture, whole animals and human cells. Four days, 8:15 a.m. to 4:55 p.m.; $3875 per month. Must have proof of legal authority to work in United States. Send résumés to: Illinois Department of Employment Security, 401 South State Street—3 South, Chicago, IL 60605. Attention: Anne Marie Fox, Reference #VIL-A4338-N. No calls. Two copies of your résumé required. An employer-paid ad.

CHARLES DARWIN RESEARCH STATION

The Charles Darwin Research Station (CDRS) is a nonprofit, international organization that conducts scientific research and educational programs to promote the conservation of the Galapagos Islands, Ecuador. The CDRS requires the following personnel for 1999:

SCIENCE COORDINATOR: experience in coordinating, supervision, and development of new research programs.

NATURAL RESOURCES ADVISER: experience in the management and protection of natural resources.

ECOLOGIST: experience in wildlife management, especially vertebrate pest control.

ORNITHOLOGIST: experience in bird censuses, basic research and protection of threatened species.

MARINE BIOLOGIST: experience in basic research and/or management of marine reserves. Applicants should be fluent in Spanish and English. All positions carry an initial 2-year contract which may be renewed. Applicants should be available to start in June 1999. Send letters of application and curriculum vitae, or requests for further information to: Director, CDRS, Casilla 17-01-3891, Quito, Ecuador.

POSITIONS OPEN

GENE EXPRESSION RESEARCH ASSOCIATE

Position available immediately in a research program involving gene expression using laboratory animals. A B.S./M.S. degree in cell biology or molecular biology (or related discipline) is required. A minimum of 2 years of relevant research experience is desired. Applicants with experience in embryo manipulation especially encouraged to apply. Salary range: $20,000 to $25,000 per year plus benefits. To be considered, send curriculum vitae and the names of three references to: Brad A. Didion, Ph.D., DEKALB Genetics Corp., 3100 Sycamore Road, Dekalb, IL 60115.

POSTDOCTORAL RESEARCH ASSOCIATE

REGULATORY LIPID BIOCHEMISTRY AND CELL BIOLOGY

A postdoctoral position is available to participate in an ongoing research program focused on the biochemical characterization of key enzymes that modulate phospholipid synthesis and degradation. Candidates with a Ph.D. degree interested in joining a multidisciplinary group applying contemporary techniques of molecular biology and biochemistry to problems related to the regulation of lipid metabolism should submit their curriculum vitae, reprints and names of three references to: Dr. Charles O. R.K., Biochemistry Department, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38101. An Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE

Research in regulation of hormone genes involved in spermatogenesis. Study the transcriptional regulation of genes. Cloning and subcloning, DNA sequencing, transfection, site directed mutagenesis and deletion analysis, gel shift assays and footprint analysis, nuclear run off assay, RNA stability study, tissue culture RIA. Supervise two technicians.

Requirement: degree in molecular biology, 1 year of experience in job offered or as medical technologist, experience in hematology, immunohematology, hormone assay theory and analysis, gel shift assays and footprint analysis, nucleic acid purification, cDNA synthesis and automated analyzers and knowledge of plasmid techniques, microbial genetics, virology, biochemical regulation, advanced cell biology, advanced immunology, protein biochemistry, viral DNA vector cytology and cyrognetics.

Salary: $28,500 per year. Forty hours per week. Place of employment: City of Garden Grove, California. Send this ad and your résumé to: Job #MLM 153852, P.O. Box 9560, Sacramento, CA 95823–0560 no later than 22 February 1992.

BIOCHEMIST with a Pacific Northwest biotech company. The position involves development of methods of analysis for compounds in saliva and synthesis of novel compounds for the isolation of natural products. Send résumé and salary history to: Employment Division, Attention: Job Order #S550229, 875 Union Street, N.E., Room 201, Salem, OR 97311.
Life Science Ph.D. Positions

The Procter & Gamble Company has openings for Ph.D. life scientists in health care technology programs at our Miami Valley Laboratories in Cincinnati, Ohio. These positions are detailed as follows:

**IMMUNOLOGIST / CELL BIOLOGIST**
(Dept. RS)
A Ph.D. life scientist to conduct immunology/cell biology research in understanding the role of host response mechanisms in oral diseases. Fundamental training in biochemistry of control mechanisms for eukaryotic cell systems together with demonstrated productivity in cellular and/or molecular immunology research is necessary. The successful candidate will have demonstrated the ability to conceive and progress research programs that provide creative and substantial insights into the molecular basis of complex immunology/cell biology problems. Research experience involving both *in vitro* and *in vivo* immunoassay systems is also desired.

**IMMUNOLOGIST** (Dept. MR)
A Ph.D. immunologist who will design and execute a research program investigating the immune and inflammatory pathogenesis of respiratory allergy, asthma, and related diseases. This position requires a Ph.D. degree and at least two years of postdoctoral and/or pharmaceutical experience in cellular and molecular immunology. The candidate should have experience in the study of regulatory mechanisms that control the immune response to antigens under both *in vivo* and *in vitro* conditions along with animal models of immunity and/or hypersensitivity. In addition to this required training and experience, we seek individuals with: 1) broad academic training in cellular/molecular biology, immunology and inflammation; 2) familiarity with clinical hypersensitivity diseases and animal models of allergic hypersensitivity; and 3) experience with various *in vivo* and *in vitro* immunoassay procedures.

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SYMPOSIUM ANNOUNCEMENT 29 JUNE TO 4 JULY 1992

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cussion. Attendance addressed to interested scientists and applications materials please contact: Dr. Henneberry, Conte Institute for Environmental Health, 742 North Street, Pittsfield, MA 01201. Telephone: 413-447-3403.

PROGESTERONE ANTAGONISTS: NEW DEVELOPMENTS IN REPRODUCTIVE BIOLOGY AND ONCOLOGY 25 MAY TO 29 MAY 1992

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