POSITIONS WANTED

Neurobiologist, Nutritionist, Ph.D. Developmental research on cortical and neuron anatomy, synaptosomal GABA, CAD, and other interactions with brain tissue staining and embedding techniques, microtomy, small animal surgery, enzyme assays, HPLC. Seeks position in teaching/interests. Applicants must have excellent communication skills. Interested to move toward creative research and have a commitment to teaching at the undergraduate and graduate levels. In applying, please send curriculum vitae, list of publications, a brief statement of research interest (5 pages or less) and, in addition, have three letters of recommendation sent to: Professor John Ros, Chairman, Department of Chemistry, Stanford University, CA 94305. Stanford is committed to Equal Opportunity through Affirmative Action in Employment, and we are especially eager to identify minority persons and women with appropriate qualifications. Applications should be received by 1 November 1988.

POSITIONS OPEN

ASSISTANT PROFESSOR: Applications are invited for a position at the level of Assistant Professor in the Department of Chemistry at Stanford University, with primary research and teaching interests in the general area of organic or inorganic chemistry. Candidates are encouraged to move toward creative research and have a commitment to teaching at the undergraduate and graduate levels. In applying, please send curriculum vitae, list of publications, a brief statement of research interest (5 pages or less) and, in addition, have three letters of recommendation sent to: Professor John Ros, Chairman, Department of Chemistry, Stanford University, CA 94305. Stanford is committed to Equal Opportunity through Affirmative Action in Employment, and we are especially eager to identify minority persons and women with appropriate qualifications. Applications should be received by 1 November 1988.

ASSISTANT PROFESSOR, non-tenure track. The Virginia Institute of Marine Science, College of William and Mary, is seeking a Ph.D. with experience in aquatic (preferably marine or estuarine) biology and ecology. Position is open to all qualified candidates. Please send curriculum vitae and references to Dr. K. C. Bovee, Chairman, Search Committee, VIMS, Gloucester Point, VA 23062. Equal Opportunity/Affirmative Action Employer.

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ASSISTANT PROFESSOR: The Department of Chemistry at the University of Chicago invites applications from outstanding individuals for ASSISTANT PROFESSOR (tenure-track) faculty positions in inorganic, organic, physical, and polymer chemistry. Postdoctoral experience is preferred. Applicants should submit curriculum vitae, a list of publications, a succinct outline of their research plans and should arrange for three letters of recommendation to be sent to: Graham R. Fleming, Chairman, Department of Chemistry, The University of Chicago, 5735 Ellis Avenue, Chicago, IL 60637. An Equal Opportunity/Affirmative Action Employer.

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POSITIONS OPEN

ASSISTANT PROFESSOR—STEP I–III

POPULATION GENETICS

The Biology Department, University of the Califor- 
nia, Santa Cruz, invites applications for a tenure-track faculty position in population genetics effective fall 1989. Ph.D. required. We seek a biologist who will apply modern experimental techniques to population and evo-

lutionary problems, maintain an active research program, and teach population genetics. The department is ex-

panding the undergraduate curriculum in evolutionary biology.

Submit curriculum vitae, a brief description of research plans, research interests, and three references to:

Chair, Population Genetics Search Commit-

tee, Department of Biology, Thimann Laboratories, University of California, Santa Cruz, CA 95064 by no later than 1 December 1988. Refer to position #126-889 in your reply. UCSC is an Equal Employment Opportunity/Affirmative Action/IRA Employer.

ASSISTANT PROFESSOR OF SURGERY

Responsible for research in animal models of whole pancre-

atic and isolated islet transplantation designed to over-

come rejection and autoimmune islet destruction with an

ultimate goal of developing a total endocrine replace-

ment therapy for insulin dependent diabetics. Training in microvascular surgery required. Responsibilities include clinical research projects with an emphasis on diabetics suffering from renal, pancreatic and liver transplantation; supervision of interns and residents in surgery wards and operating rooms; and classroom teaching and lecturing in surgery. M.D. with certification by the American Board of Surgery, at least 5 years of postgraduate medical training, completion of a fellowship in transplantation surgery with experience in renal transplants required. Training and experience can be concurrent. Send résumés to: Dr. Mark B. Adams, Director, Transplant Program, University of Wisconsin, Froedtert Memorial Lutheran Hospital, 9200 West Wisconsin Avenue, Milwaukee, WI 53226. Equal Opportunity Em-

ployer M/F/H.

ASSISTANT/ASSOCIATE PROFESSOR-

CARDIOPULMONARY PHYSIOLOGY

The Department of Physiology, Wayne State University

of Medicine, is inviting applications for the position of tenu-

re-track assistant/associate professor in the area of card-
ipulmonary physiology. Preference will be given to candidates with a background and research inter-

est in cardio-respiratory physiology. The successful can-

didate will be expected to establish an independent research program by extramural funding. Teaching responsibilities include the teaching of graduate students, participation in departmental classes for medical and allied health students, and service for classroom consideration. Position must have a significant publica-

tion record and extramural funding. Minority can-

didates are encouraged to apply. Salary will be commensurate with qualifications and experience. Send curriculum vitae, a description of research interests, and the names of three references to: Dr. J. W. Phillips, Chairman, De-

partment of Physiology, School of Medicine, Wayne State University, 540 East Canfield, Detroit, MI 48201, by 30 November 1988. Wayne State University is an Equal Opportunity/ Affirmative Action Employer.

ASSOCIATE PROFESSOR—PHARMACO-

LOGY AND NUTRITION. Tenure-track position open 1

July 1988. Candidate must have extensive experience in

hormone pharmacology and physiology and a strong publication record with an interest in nutrition is preferred. Candidate required to teach in both medical and graduate pharmacology and nutrition programs. Applicants should have experience with graduate and upperclass undergraduate students. Salary, recruiting re-

sponsibilities include: a scientific track record, re-

search interests, and names of three references for purposes to: Samuel P. Bess-

man, M.D., Chairman, Department of Pharmacology and Nutrition, University of Southern California, School of Medicine, MMR 512, Los An-

gelos, CA 90033. Applications will be considered until the position is filled. The University of Southern California is an Equal Opportunity/Affirmative Action Employer.

ASSOCIATE RESEARCH SCIENTIST/ SCHOLAR position immediately available in the Orthopaedic Research Laboratory (ORL) at Columbia University. Minimum requirement is a Ph.D. in biomechanics or biomedical engineering, or M.S. with 2 years of experience. Emphasis is placed on soft tissue biomechanics and orthopaedic research. Re-

sponsibilities include managing and supervising experimen-

tal research, troubleshooting and managing research projects, and independent or interdisciplinary collaborative project development. Highly competitive starting salary, commensurate with experience. Please contact and send curriculum vitae to: Van C. Mow, Ph.D., Director, Orthopaedic Research Laboratory, Columbia–Pres-\ndbyterian Medical Center, 168th Street, New York, NY 10032. Telephone: 212-305-1515.

ASSISTANT RESEARCH BIOCHEMIST—A re-

search position to study regulatory aspects of enzymes of

cellular and plasma lipoproteins, using molecular and cellular biology techniques. Applicants must have a Ph.D. in biochemistry or molecular biology and have recent experience with purification of proteins, Western blotting, electrophoresis, and other molecular biology techniques. Experience in the design of mutagenesis experi-

ments and in the preparation of manuscripts would be desirable. Send a brief description of research interests and experience to:

Dr. Al K. Thimann

Department of Anatomy and Cell Biology
Georgetown University
3900 Reservoir Road, N.W.
Washington, D.C. 20007

Deadline for application receipt is: 1 October 1988.

Georgetown University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR

The Department of Pharmacology and Neurologic
tal Surgery at the University of Florida College of Medicine are seeking to fill a tenure-track position with an anticipated starting date of 1 March 1989. The focus of this search is for an individual with research interests that could integrate with our Spinal Cord Injury and Regeneration Program which presently emphasizes neural tissue trans-

plantation, neuroanatomy, electrophysiology, and behav-

ior (i.e., psychophysics), Applicants are being sought from individuals with complementary expertise (e.g., in molecular biology, transplantation, regulation of neuronal activity and plasticity, and physiology). The successful candidate is expected to begin an independent research program and to participate in teaching medical and graduate courses. We encourage applications from persons having a Ph.D. and/or M.D. degree and a minimum of 2 years of experience. Positions interested in applying for this position should send their curriculum vitae, a brief overview of present and future research directions, and the names, addresses, and telephone numbers of four references by 1 October 1988 to: Dr. Paul J. Reier, Department of Neurolo-

gical Surgery, University of Florida College of Medi-

cine, H.M. Heart Center, Box J-265, Gainesville, FL

32610-0265.

The University of Florida is an Affirmative Action and Equal Opportunity Employer.

The Department of Cancer Biology at the Harvard School of Public Health invites applications for the position of ASSISTANT OR ASSOCIATE PRO-

FESSOR OF IMMUNOLOGY. The position will be in the section of virology, immunology, and molecular biology. The successful candidate should have training in molecular genetic technology, preferably as it applies to the immune system and an interest in pursuing molecular immunology as the major research focus.

Each candidate would be expected to develop a strong research program and assume teaching responsibilities in a minimum of graduate level courses. Supervision of doctoral candidates will also be expected. A doctoral degree with 2 to 3 years of postdoctoral research experi-

ence is required with demonstrated evidence of innova-

tive research capability.

Interested candidates should send curriculum vitae with a complete bibliography, representative reprints, a description of research and teaching interests, and the names and addresses of three references to: Dr. Laurie H. Glinscher, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115.

Harvard University is committed to increasing representation of women and minority members among its faculty and particu-

larly encourages applications from such candidates.

BIOCHEMISTRY, University of Wisconsin—Eau Claire. Ph.D. preferred for probationary faculty position at rank of ASSISTANT PROFESSOR to begin January 1989. Duties include teaching in biochemistry and general chemistry, advanced biochemistry and lab and undergraduate research. Send application, resume, transcripts, summary of proposed research, and three letters of recommendation to: Dr. M. E. Gleiter, Chair,

man, Department of Chemistry, UW–Eau Claire, Eau Claire, WI, 54702. By 30 September 1988, or until

filled. UW–Eau Claire is an Equal Employment Opportunity/Affirmative Action.

BIOCHEMISTRY/MOLECULAR BIOLOGY

MEHARRY MEDICAL COLLEGE

Three faculty positions are available in the Department of Biochemistry at the level of ASSISTANT OR ASSO-

CIATE PROFESSOR for well-trained or experienced biochemists. Minimum requirement is a Ph.D. in biochemistry. The Department expects to fill these positions in 1989. Successful applicants will be expected to develop a fully-funded research program of high quality and to participate in the graduate and professional (medical, dental and allied health) school teaching programs of the College. Applicants should send curriculum vitae, publication list, and names of four individuals who may be contacted for reference, and a summary of potential research projects to: Hesany J. Arinze, Ph.D., Chairman, Department of Biochemistry, Meharry Medical College, Nashville, TN 37208.
POSITIONS OPEN

BIOCHEMISTRY FACULTY POSITIONS

The Department of Biochemistry at the University of Tennessee, Memphis invites applications for several tenure-track positions at all ranks. A doctoral degree and postdoctoral research experience is required. Candidates with research interests in any area of modern biochemistry are encouraged to apply. Applicants will be expected to perform independent research, obtain external funding, and participate in the teaching of biochemistry to professional and graduate students. Salaries and start-up funds will be competitive. The University of Tennessee, Memphis is located within one of the largest Health Science Centers in the United States and is in a major growth phase. Part of this growth includes newly constructed laboratories space for eligible for applicants. Applicants should send curriculum vitae, summary of research plans, three letters of recommendation, and three most significant representative reprints to:

John N. Fais, Ph.D.
Van Vleet Professor and Chairman
Department of Biochemistry, College of Medicine
University of Tennessee, Memphis
800 Madison Avenue, Memphis, TN 38163

Attention: Cheryl M. Colson
The University of Tennessee is an Equal Opportunity/Affirmative Action Employer.

CARIOLOGISTS, INTERNAL MEDICINE

The University of California, Davis, School of Medicine is recruiting for one full-time faculty position at the assistant/associate or full professor level. Candidate must be Board-certified or eligible in internal medicine and subspecialties in cardiovascular diseases for a full-time position. California. A clinical and research interest in coronary angioplasty, electrophysiology, intensive care, NMR, or basic research in the area of cellular biochemistry, or molecular biology is preferred. Responsibilities include clinical care, teaching of medical students, residents and fellows, and a commitment to basic and/or clinical investigation. Letters of interest, including a complete curriculum vitae, should be forwarded to: Zak Vera, M.D., Chair, Cardiology Search Committee, Robert K. Building, 430 K Street, Sacramento, CA 95817. Position open until filled; applications will not be accepted after 1 December 1988. UCD is an Equal Opportunity/Affirmative Action Employer.

CELL BIOLOGIST

MCGILL UNIVERSITY

The Department of Biology invites applications for a tenure-track position at the associate professor level, effective 1 September 1989, or earlier. We seek a cell biologist using molecular and/or genetic approaches to study cell regeneration. Send curriculum vitae, statement of research interests and goals, representative reprints, and three letters of reference to: E. Wiegman, Chair, Department of Biology, McGill University, 1205 Avenue Docteur Penfield, Montreal, Quebec, Canada H3A 1B1. Deadline: 15 October 1988.

Animal Medicine—CLINICAL DIRECTOR

Stanford University's division of laboratory animal medicine is currently recruiting for the following position: The Clinical Director will be responsible for the veterinary care of animals in the Stanford University research animal colony. This position will supervise an animal health care staff consisting of veterinarians and veterinary nurses involved in a 24-hour on-site animal care program; direct the operation of a major surgical intensive care, pharmacology and radiology located in the centralized animal facility; establish and maintain animal health care programs, including quarantine services; consult with research faculty and teaching, and analyze and interpret data collected. Applicants should send curriculum vitae, statement of research interests and goals, representative reprints, and three letters of reference to: L. E. Frey, Chair, Department of Veterinary Science, Harvard Medical School, 77 Shattuck Street, Cambridge, MA 02138. Deadline: 15 October 1988.

ECONOMIST/FAMILY ECONOMIST: Research Leader of the Family Economics Research Group (FERG), GM-0493-14

U.S. DEPARTMENT OF AGRICULTURE (USDA)

AGRICULTURAL RESEARCH SERVICE (ARS)

The position includes managing, developing, and performing research on the economic well-being of families with the aim of determining how they acquire, allocate, and manage financial and other resources under varying economic and social conditions, and the interaction of financial behavior with the Nation’s economy. Research projects of FERG include the quarterly periodic Family Economics Review, special workbooks on managing personal finance, annual estimates of cost of raising a child, and research papers in the scholarly journals of economics and family economics. U.S. citizenship is required. Beginning salary is $46,679. To apply, submit a resume, including salary history, and a letter of interest to: Human Resources, ARS, Room 413-S, General Agriculture, Beltsville, MD 20705, or call: 1-301-344-3954. Applications must be marked SBS.016. Deadline for receipt of applications is 16 September 1988. ARS is an Equal Opportunity Employer.

DEAN OF RESEARCH. The National College of Chiropractic seeks a Dean of Research responsible for managing, developing, and overseeing the Department of Research to which there are currently assigned six full-time faculty, one part-time faculty, one part-time research scientist, and fourteen full-time and part-time student assistants. Appointee must possess a first professional degree in a health science, or an earned doctoral degree (preferably a Ph.D.) in a biological science, and have no less than 7 years of experience in academic, professional, or research setting with a record of sound research in a health related area. Managerial ability is essential. Salary will depend on qualifications. Letter of application, resume, and the names of at least three references should be sent no later than 31 October 1988, to: Jacob Fisher, Ph.D., Chairman Search Committee for Dean of Research The National College of Chiropractic 200 East Roosevelt Road Lombard, IL 60148

DEVELOPMENTAL PSYCHOLOGIST

The Department of Psychology, University of Rochester, anticipates filling a tenure-track position in developmental psychology for the 1989 to 1990 academic year. This position will have an emphasis on child development. The ability to establish and maintain an independent and outstanding program of research and to make major contributions to both undergraduate and graduate education is essential. Qualifications for the appointment are at the junior level, individuals at more senior levels will also be considered. Women and minority applicants are particularly encouraged to apply. Applicants are required to submit a curriculum vitae, statement of research interests, and three letters of recommendation to: Dr. Elisa L. Newport, Developmental Search Committee, Department of Psychology, University of Rochester, Melissa Hall—River Campus, Rochester, NY 14627. Deadline for receipt of application materials is 1 December 1988. The University of Rochester is an Equal Opportunity/Affirmative Action Employer.

DIVISION DIRECTOR—CLINICAL PHARMACOLOGY: Applications are invited for the position of Director, Division of Clinical Pharmacology in the Department of Internal Medicine, The University of Iowa College of Medicine. Candidates should have an outstanding record in academic clinical pharmacology and be dedicated to providing leadership in teaching, specialized patient care, and research. Applications will be accepted until the position is filled and should be sent to: Richard Wenzel, M.D., Chair, Search Committee, Department of Internal Medicine, The University of Iowa College of Medicine, Room A41-S General Hospital, Iowa City, IA 52242.

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

ECONOMIST/FAMILY ECONOMIST: Research Leader of the Family Economics Research Group (FERG), GM-0493-14

U.S. DEPARTMENT OF AGRICULTURE (USDA)

AGRICULTURAL RESEARCH SERVICE (ARS)

The position includes managing, developing, and performing research on the economic well-being of families with the aim of determining how they acquire, allocate, and manage financial and other resources under varying economic and social conditions, and the interaction of financial behavior with the Nation’s economy. Research projects of FERG include the quarterly periodic Family Economics Review, special workbooks on managing personal finance, annual estimates of cost of raising a child, and research papers in the scholarly journals of economics and family economics. U.S. citizenship is required. Beginning salary is $46,679. To apply, submit a resume, including salary history, and a letter of interest to: Human Resources, ARS, Room 413-S, General Agriculture, Beltsville, MD 20705, or call: 1-301-344-3954. Applications must be marked SBS.016. Deadline for receipt of applications is 16 September 1988. ARS is an Equal Opportunity Employer.

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

MOLECULAR ONCOLOGY, INC.

CLINICAL DIRECTOR

We are seeking an outstanding anatomic pathologist with combined research and management skills to lead a staff of scientists, postdoctoral workers and technicians. We are a rapidly growing biotechnology company that has developed new approaches to molecular pathology. The clinical director will interact with a research team responsible for developing and implementing the clinical and commercial applications of a panel of new molecular markers useful in cancer diagnosis and prognosis. The successful candidate will have proven research record in applied surgical pathology research. Experience and knowledge in the areas of cancer pathology, immunohistochemistry, in situ hybridization, hormone receptor analysis and fluorescent activated cell analysis is desirable. If you are an ambitious, innovative, first class, Board-certified pathologist, and capable of working a fast pace in a challenging and creative environment, please submit your curriculum vitae, and references to: Human Resources, Molecular Oncology, Inc., 19 Firetield Road, Gaithersburg, MD 20878. We are an Equal Opportunity Employer.

CLINICAL RESEARCH ASSOCIATE

We seek a Research Associate with a background in molecular biology, cell biology or virology. Experience with postdoctoral, Ph.D., Ph.D. Micro or M.S. with publications. Prefer experience in cardiovascular pharmacology, good general pharmacology experience or infectious diseases. Must be personable, ambitious, and able to meet deadlines. U.S. travel 20% to 40%. Prior industry clinical research experience a plus. Excellent pay and benefits. Send resumes to: James Sinclair, Box 313, Ramsey, NJ 07446.
Executive Director  
California Academy of Sciences  
San Francisco

The Academy, the natural history museum, aquarium, and planetarium complex in San Francisco's Golden Gate Park, is seeking an Executive Director. The Academy has a broadly defined mission in research, public education, and exhibition with a staff of 250, including 85 professionals, and serves more than 1.5 million visitors annually. Continued strong and creative leadership is required to bring to completion the ambitious, funded program of modernization and expansion now underway.

The Director will report to the Academy's Board of Trustees and be responsible for providing executive leadership, administration, direction, and oversight for the institution's diverse activities. The Academy seeks an individual with proven qualities of leadership and successful management of complex organizations, abilities in fund-raising, excellent communication skills; he/she should share enthusiasm for science, and commitment to the kinds of research and public programs undertaken at the Academy. A scientific background is highly desirable.

A full salary and benefit package, including use of a home in San Francisco, will be provided.

Forward applications and nominations to:
Mr. John Grey, Chair of the Search Committee,
The California Academy of Sciences,
Golden Gate Park, San Francisco, CA 94118.
Applications will be kept confidential.
For information, please contact Dolores Rogers,
Personnel Manager, (415) 750-7212.


ARGUS Pharmaceuticals, Inc.  
An Exciting Opportunity for a Research Scientist

The Company
ARGUS Pharmaceuticals (formerly The Macrophage Company, Inc.) is developing cytotoxic factors from macrophages and human monocytes for treatment of cancer and other infectious and rheumatic diseases.

The Company supports a team of scientists at The University of Texas M.D. Anderson Cancer Center who will use recombinant DNA and standard protein purification techniques to characterize and purify these factors.

Postdoctoral Position Available
Minimum two years experience in Hybridoma Methodology. Background in protein biochemistry and purification using HPLC techniques would be preferred. Expertise in production, purification and characterization of murine monoclonal antibodies is desired. The ideal candidate should be able to work as part of a research team and direct his or her efforts toward the purification and characterization of macrophage-derived proteins, production of specific monoclonal antibodies, and DNA cloning. These macrophage-derived proteins have potential for biological therapy of cancer.

Compensation will be commensurate with experience.

Your Commitment
Qualified persons with a background or interest in immunology and willing to make a two-year commitment to this exciting project should submit CV and references to:
Gabriel Lopez-Berestein, M.D.
The University of Texas
M.D. Anderson Cancer Center
1515 Holcombe, Box 41
Houston, Texas 77030
(713) 792-8140

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Syntex has earned its reputation in the pharmaceutical industry for superior research — our research is thorough and our equipment is the most sophisticated available. We currently have an outstanding opportunity available for a Toxicologist to join us in our Palo Alto research headquarters.

You will be responsible for implementing, monitoring and reporting pre-clinical toxicity studies. These studies will be used to support national and international regulatory findings for new drug registrations. Strict adherence to established SOPs and GLPs required. You should possess a PhD in toxicology or related discipline and 0-3 years post-doctoral training or industrial toxicology experience, preferably in a pharmaceutical or contract firm. Familiarity with regulatory requirements, good interpersonal and communication skills and the ability to work in a team structure essential.

Syntex, located on the San Francisco Peninsula, offers a competitive compensation and relocation package which includes an incentive bonus plan. For immediate consideration, please send your resume to: Syntex, Professional Staffing, Dept. KH/SC, 3401 Hillview Avenue, Palo Alto, CA 94304. We are an equal opportunity employer.
ENDOWED CHAIRS
MOLECULAR GENETICS
AND NEUROBIOLOGY
EMORY UNIVERSITY
SCHOOL OF MEDICINE

Emory University School of Medicine announces the creation of two endowed chairs; the Woodruff Professorship of Developmental Neuroscience and the Woodruff Professorship of Neurobiology. These chairs, established through the prestigious Woodruff Endowment, will be independent units reporting to the Dean of the School of Medicine and will be expected to provide university-wide leadership in the respective disciplines. Each chair will include additional vacant faculty positions and an initial 5,000 sq. ft. of laboratory space. Generous start-up funds and a highly competitive salary are included. Established investigators as well as those with unusual promise and a developing international reputation are encouraged to apply.

Submit applications or nominations to either the Woodruff Molecular Genetics Search Committee or the Woodruff Neurobiology Search Committee by 1 November 1988.

Emory University School of Medicine 1440 Clifton Road, NE Room 302, WHSCAB Atlanta, GA 30322
An Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION
DEPARTMENT OF ENGINEERING AND POLICY
SCHOOL OF ENGINEERING AND APPLIED SCIENCE
WASHINGTON UNIVERSITY, ST. LOUIS

The Department of Engineering and Policy at Washington University in St. Louis invites applications and nominations for a tenure-track faculty position, starting in spring or fall 1989. A doctoral degree in engineering or physical science and a demonstrated potential for external research support is required. Responsibilities include teaching graduate and undergraduate courses, supervising graduate student research, and developing a strong, externally supported, research program. Specialization areas in the department include engineering, international development, public health, and science and technology policy at the domestic and international levels. Application materials are to include a statement of research interests, curriculum vitae, and three letters of recommendation. This is an open-rank position that will be filled at the assistant professor level beginning in 1989. Review of applications will begin 1 November 1988 and continue until suitable candidates are identified. Washington University is an Affirmative Action/Equal Opportunity Employer.

TWO FACULTY APPOINTMENTS
BIOLoGy DEPARTMENT
GEORGIA STATE UNIVERSITY

Applications are invited for two tenure-track positions in the following areas: i) Molecular Genetics, ii) Immunology. Appointments starting September 1989 are available. Applicants must demonstrate an active research program with a record of grant support and/or publications. Candidates are expected to teach, conduct research, and provide service to the University. Applications should be sent to: Dr. J. A. Granger, Chairman, Department of Biology, Georgia State University, Atlanta, GA 30303. Application materials should include a detailed curriculum vitae, statements of research and teaching interests, and three letters of reference. Georgia State University is an Equal Opportunity/Affirmative Action Employer.
The Division: The CSIRO Division of Plant Industry conducts research on problems fundamental to plant biology and agricultural production. One of the research programs within the Division is concerned with the effects of the phytohormone abscisic acid on gene expression in dehydrating cereals, and the biological role of the new proteins which appear in dehydrated plants.

The Job: The appointee will investigate the structure and distribution of dehydration-induced proteins in a range of plant species (both desiccation-tolerant and intolerant), and conduct transformation experiments in plants aimed at establishing the function of dehydration-induced proteins.

The Person: Applicants should possess a PhD degree or equivalent qualification, and a proven research ability in biochemistry/molecular biology; a background in plant physiology and research experience with plant systems would be an advantage.

Conditions: Appointment will be for a term of three years with Australian Government superannuation benefits available.

More Information: Prospective applicants are invited to telephone Dr. Peter Chandler on 61 62 46 5251 for further information. A copy of the detailed duty statement and selection criteria may be obtained by telephoning 61 62 46 5357.

Applications: Applications should be submitted by 26 September 1988 and quote reference number MY001. They should be framed against the selection criteria, and should state relevant personal particulars including details of qualifications and experience. Applicants should nominate at least two professional referees, and address their applications to:

The Chief
CSIRO Division of Plant Industry
GPO Box 1600
Canberra, ACT 2601 AUSTRALIA

CSIRO IS AN EQUAL OPPORTUNITY EMPLOYER

NATIONAL CANCER INSTITUTE
National Institutes of Health, Public Health Service

CANCER PREVENTION FELLOWSHIP PROGRAM (CPFP)

The Division of Cancer Prevention and Control (DCPC) is accepting applications for the Cancer Prevention Fellowship Program (CPFP). The primary purpose of this program is to attract individuals from a multiplicity of health science disciplines into the field of cancer prevention and control research. The program provides for: participation in the DCPC Cancer Control Academic Program (a formal four-month course in cancer prevention and control); 20 months at NCI working directly with individual preceptors on ongoing cancer prevention and control projects; and, one year at a DCPC-approved cancer control program or State Health Department (may be optional). Funding permitting, up to 10 Fellows will be accepted for up to three years of training, beginning August 27, 1989.

APPLICANTS MUST (BY THE DEADLINE):

1. Possess an M.D. or D.O. degree from a U.S., territorial, or Canadian medical school OR foreign medical graduates must have current ECFMG/FGMEGS certification and have completed one year residency in a training program approved by the Accreditation Council for Graduate Medical Education - OR - Possess other accredited U.S., territorial, or Canadian doctoral degree (Ph.D., or D.P.H., D.D.S., etc.) in a discipline related to cancer prevention and control research (biomedical, medical, nutritional, public health or behavioral sciences).

Foreign doctoral graduates must provide documented evidence that the foreign education is comparable to doctoral education received in accredited institutions noted above;

2. Possess U.S. citizenship or be a resident alien eligible for citizenship within four years;

3. Complete and return the application packet by the deadline (including arranging for official academic transcripts and four current, original letters of reference to be sent directly by the academic institutions and referees to the CPFP Coordinator).

For questions concerning the program's scientific or administrative aspects, please contact Dr. Peter Greenwald or Mrs. Barbara Redding at (301) 496-8640. Application packets may be obtained by sending a POSTCARD with your name and home address to CPFP Coordinator, NIH/NCI/DCPC/CCAB, EXPS Terrace Level, 9000 Rockville Pike, Bethesda, MD 20892. Please do not send any material until after you have read the instructions in the application packet.

DEADLINE FOR RECEIPT OF APPLICATIONS: JANUARY 11, 1989

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BS/MS SCIENTIST
Toxicology Division

For more than a century, scientists at Eli Lilly and Company have developed innovative, high quality pharmaceutical products. In 1988, Lilly is investing over $500 million in research-and-development programs. More than 3,000 scientists at the company's Lilly Research Laboratories and Biochemical Development Divisions are pursuing creative research programs that involve many important health care needs.

To further build its research capabilities, Lilly is seeking a self-motivated, innovative scientist for the Toxicology Division. The ideal candidate will have the following qualifications:

- Bachelor's or Master's degree in toxicology, pharmacology, or a related discipline.
- Experience in conducting toxicity studies with animal models.
- Excellent organizational and communication skills.

Eli Lilly and Company is committed to scientific excellence. Lilly provides a stimulating professional atmosphere with many opportunities for collaborative, multidisciplinary research. The company offers an attractive compensation program. Entry level and salary will be based upon each candidate's experience.

For prompt consideration, please forward your curriculum vitae to:

Robert L. Nis
Science Recruitment (ATI)
Eli Lilly and Company
Lilly Corporate Center
Indianapolis, Indiana 46285
FACULTY POSITION IN BIOCHEMISTRY
MEDICAL COLLEGE OF OHIO

The Department of Biochemistry, Medical College of Ohio, invites applications for a tenure-track position at the assistant professor level. The Department is expanding its faculty to include those with research interests that extend its present programs, which include the structural and functional analysis, protein structure-function relationships, antagonists, protein kinases, posttranslational modification of peptides, and modern developments in microbial, marine and mammalian chemistries. Applicants are encouraged to establish functional and effective mechanisms for future research. The University of Oregon's School of Medicine, women, members of ethnic minorities, and disabled individuals. Applicants should send curriculum vitae, list of courses taught, and names and addresses of three references to: Dr. Larry Gentry, Chairman, Search Committee, Department of Biochemistry, Medical College of Ohio, 1001 Temple St., Honolulu, HI 96811. A copy of the position announcement can be obtained from the Department of Biochemistry, Medical College of Ohio, 1001 Temple St., Honolulu, HI 96811.

University of Rochester. The Department of Chemistry invites applications for a tenure-track FACULTY POSITION beginning fall 1989 at the level of assistant professor or higher. We seek applicants who will establish an outstanding research program; candidates in organic chemistry and inorganic chemistry including materials and surface science are encouraged. Applicants should send their curriculum vitae, a statement of research plans and objectives, and arrange for three letters of reference to be sent to: Douglas H. Turner, Chairman, Search Committee, Department of Chemistry, University of Rochester, Rochester, NY 14627. Deadline for receipt of completed applications is 1 November 1988. The University of Rochester is an Affirmative Action/Equal Opportunity Employer/M/F.

FACULTY POSITIONS IN CELL AND MOLECULAR BIOLOGY

Several tenure-track positions are available in the Department of Cell Biology and Anatomy, New York Medical College. Appointments can be at the assistant, associate, or full professor level. Preference will be given to individuals applying cellular, molecular, or biophysical research projects and to those individuals who have strong potential for obtaining both federal and foundation support. In addition, candidates should be willing to participate in the medical and graduate student teaching and advising programs. Successful applicants will be encouraged to establish functional and effective mechanisms for future research. The University of Oregon's School of Medicine, women, members of ethnic minorities, and disabled individuals. Applications should be submitted by 1 May 1989. For further information, contact: Dr. Joseph Eling, Professor and Chairman, Department of Cell Biology and Anatomy, New York Medical College, Basic Science Building, Valhalla, NY 10595. An Equal Opportunity Employer, M/F/V/H.

NORTH CAROLINA STATE UNIVERSITY
FACULTY POSITIONS
DEPARTMENT OF BIOCHEMISTRY

Three tenure-track research/teaching faculty positions (associate and assistant professor) are available with a starting date of 1 July 1989. Expansion of the Department of Biochemistry over the next 5 years is being undertaken, continuing development of biochemistry and biophysics, as well as to complement existing areas of strength. The Department of Biochemistry is within the College of Agriculture and Life Sciences and represents a joint program with the College of Physical and Mathematical Sciences. Applications may apply from the many areas of biochemistry, but applicants from the areas of biological chemistry, biophysics, and bioinorganic chemistry, and the structural biology of proteins and membranes are particularly welcome. Attractive salaries, full benefits, and research laboratory space and support for equipment and supplies are available. Biochemistry degrees offered include the B.S., M.S., and Ph.D. North Carolina State University, as one of the Research Triangle Universities, provides a rich environment for collaborative interactions with Duke University and the University of North Carolina at Chapel Hill, as well as institutions in the Research Triangle Park. Send applications, including a detailed curriculum vitae, a brief description of research interests, and names and addresses of three references to: Dr. Elizabeth C. Thiel, Chair, Search Committee, Department of Biochemistry, Box 7622, North Carolina State University, Raleigh, NC 27695-7622. Applications will be accepted until 15 November 1988. NC State is an Affirmative Action/Equal Opportunity Employer.

FINE-SEDIMENT TRANSPORT/REMOTE SENSING

The U.S. Geological Survey (USGS) is seeking candidates for a RESEARCH POSITION on the transport of fine sediments in coastal waters. The successful applicant will be part of the USGS Coastal Geology Program and will work with an interdisciplinary team, composed of investigators from universities, state agencies, and the USGS, whose research is focused on the processes that cause and control coastal sediment transport. The USGS seeks candidates that should have a comprehensive quantitative understanding of the fine-sediment transport processes, particularly in regard to fine, cohesive sediments. Background and experience in state-of-the-art techniques and parameters used to evaluate the interaction of fine sediments with the near-surface environment, and its application to fine sediment transport in wetlands and shallow marine environments, are highly desirable. Research interests in a Ph.D. degree or equivalent, or clearly demonstrated potential, for creative, independent research and publication of research results in refereed journals. The position will be a 1 year term appointment at the GS-12-GS-14 level ($33,218 to $46,679) with the Center for Coastal Geology and Regional Studies, a new USGS research facility on the campus of the University of South Florida in St. Petersburg. Applications should be submitted by 15 October 1988. For further information, contact: U.S. Geological Survey, Search Committee, Department of Biology, University of South Carolina, Columbia, SC 29208.

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

BIOLOGY DEPARTMENT
UNIVERSITY OF SOUTH CAROLINA
FACULTY POSITIONS
IN PLANT BIOLOGY

Applications are sought for two tenure-track positions available in 1989. We are especially interested in individuals applying molecular and biochemical techniques to questions in plant biology. The specific field of research is open and could include areas from molecular to organismic biology. Applicants must demonstrate a proven record of research productivity. Generous start up funds will be provided: academic rank open. Please send curriculum vitae and names of three references by 15 October 1988. For further information, contact: Dr. S. Fuchsa, Search Committee, Department of Biology, University of South Carolina, Columbia, SC 29208.

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

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

The Department of Pharmacology and Therapeutics of the College in cooperation with the Department of Medicine, invites applications for a full-time tenure-track assistant professor for primary appointment in Pharmacology and Therapeutics who should be Board-eligible in a subspecialty of Internal Medicine and have had formal training in clinical pharmacology. The successful applicant will have leadership skills and be expected to develop an independent research program, coordinate the teaching of therapeutics to upper year medical students and residents, and participate in clinical care. Salary will be commensurate with level of experience and accomplishment. Applicants should send curriculum vitae including bibliography and names of three references to: Dr. Arthur Shumrick, Box 1-267, University of Florida, Gainesville, FL 32610 before 17 October 1988 with anticipated starting date as early as 1 July 1989. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN PLANT SCIENCES, UNIVERSITY OF COLORADO-Boulder.
The University of Colorado is expanding and broadening its program of research and teaching in plant sciences. The Department of Astrophysical, Planetary and Atmospheric Sciences and the Laboratory for Atmospheric and Space Physics (LASP) invite applications for a joint tenure-track faculty position in the field of planetary sciences. We seek an experienced scientist with an independent research program in one of the following areas: (i) Planetary astronomy (especially space observations, infrared or ultraviolet observations of the planets and their atmospheres); (ii) Planetary evolution (including origin and evolution of the planets and their atmospheres, dynamics of disks and rings, and comets). Applicants should have a strong commitment to teaching and working with graduate students, and to teaching at the graduate and undergraduate levels. Preference will be given to candidates at the assistant professor level with an established research program at all levels. Applicants should send curriculum vitae, list of courses taught, and names and addresses of three references to: Dr. Larry W. Beisker, Search Committee, LASP, Campus Box 392, University of Colorado, Boulder, CO 80309-0392. Telephone: 303-492-7325. Salary: Commensurate with qualifications. Application deadline: 15 October 1988. The University of Colorado at Boulder has a strong institutional commitment to the principle of diversity. In that spirit, we are particularly interested in receiving applications from a broad spectrum of people, including women, members of ethnic minorities, and disabled individuals.

The Department of Biological Sciences of the University of Notre Dame invites applications for two full-time, tenure-track FACULTY POSITIONS; one in CELL BIOLOGY and one in MOLECULAR GENETICS, which currently have interests in cell, molecular, and developmental biology. Both appointments will be made at the assistant professor level starting fall semester 1989. The respective areas of research expertise are open. However, applicants should be addressing fundamental problems which utilize modern biochemical/molecular biological techniques using either prokaryotic or eukaryotic plant or animal systems. We seek outstanding individuals who will initiate and maintain individual research programs. Responsibilities include the direction of graduate students and formal teaching at both the undergraduate and graduate levels. The undergraduate offering may be a course in the applicant's area of expertise or may entail participation in an introductory biology sequence. We offer seed money, modern research space, outstanding animal care facilities, ready access to major equipment such as TEM, SEM, FACS, macromolecular synthesizers and sequencers housed in a staffed Biocore facility, and full time support, salary. Submit curriculum vitae, names of three references and a statement of research and teaching interests by 1 November 1988 to:K. M. W. McAvoy, Department of Biological Sciences, University of Notre Dame, Notre Dame, IN 46556. Note: This is an Affirmative Action/Equal Opportunity Employer.
ROCKEFELLER FOUNDATION
BIOTECHNOLOGY CAREER FELLOWSHIPS

The Rockefeller Foundation announces a program of career development fellowships designed to enable scientists from developing countries, trained at outstanding centers for advanced research in biotechnology, to continue to work at those or other institutions for three months each year, over a period of at least three years, conducting advanced research and keeping abreast of new developments in their fields. The program will focus upon the development and application of advances in molecular and cellular biology and immunology relevant to agriculture, health, and reproductive biology.

Funding will be shared between the Foundation and the host laboratory, with the Foundation providing travel and per diem support. It is hoped that the fellowships will encourage the establishment of ongoing working relationships between outstanding younger scientists working at third world institutions, and research teams at advanced laboratories.

Applicants to this program should have at least Ph.D. or M.D.-level training, a proven record of scientific productivity, and a permanent position at a research or teaching institution in their home country. A written project proposal must be developed and submitted jointly by the candidate and the laboratory sponsor.

Information about application procedures can be obtained by writing to Biotechnology Career Fellowships, Fellowship Office, Rockefeller Foundation, 1133 Avenue of the Americas, New York, New York 10036, USA.

Ph.D.
RESEARCH SCIENTIST
METABOLIC DISORDERS

Wyeth-Ayerst Research, a subsidiary of Fortune 100 American Home Products Corporation, has an opening for a Ph.D. Scientist in the Experimental Therapeutics Division of our expanding Princeton, NJ research facility.

The Metabolic Disorders section of Wyeth-Ayerst Research is currently expanding its research effort in the atherosclerosis area. An opening is available for a senior scientist with a strong interest in developing a research program on mechanisms involved in lesion formation. The successful candidate will have a Ph.D. and experience relevant to the study of atherosclerosis. Experience with lesion assessment techniques in animal models of atherosclerosis is essential. Skills and experience in cell culture would be an added advantage.

Wyeth-Ayerst offers an excellent salary and benefit package plus career advancement opportunities along with an ultra-modern research facility. Interested candidates should send resume and salary requirements to:

Personnel Manager, Dept. KS

Wyeth-Ayerst Research
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CURRENT DISTRIBUTION 160,000
IMMUNOLOGIST: The Biology Department invites applications for a tenure-track assistant professor position in immunology beginning September 1989, but no later than September 1989. Candidates should have at least 2 years of postdoctoral experience teaching experience in an immunology course is also expected. Established a vigorous research program (research start-up funds are available), and pursue funding for it. Teaching responsibilities include participation in the biology major's introductory scull class, and an immunology course. Undergraduate and graduate courses in immunology, and the training of M.S. and Ph.D. students. Applicants should submit curriculum vitae, a list of publications and recent reprints, a statement of current and projected research and teaching interest, and three letters of recommend- tion sent to: Dr. Robert Bart, Biology De- partment, Cleveland State University, East 24th and Euclid Avenue, Cleveland, OH 44115 by 7 October 1988. Cleveland State University encourages applications from qualified minority groups and women. Equal Opportunity Employer, M/F/H.

LABORATORY DIRECTOR. To direct the activi- ties of an environmental analytical laboratory which conducts a variety of toxicological and environmental tests for national and international firms. In particular the work involves analysis of EPA priority pollutants, drugs, PCBs, toxic wastes, waste water, haz- ardous wastes and the development of the following analytical techniques and instruments: GC, GC with purg and trap, HPLC, GC-MS, AAS, AEC, ICP, Scintillation and other counters for radiological analysis, EMIT or RA 1000, TDX 100, Flamephotometers, Spectrophotometers, Ion Chromatography, Cytostat and Mi- crotomes. Must have Ph.D. in biology/toxicology; or or- ganic chemistry. Must also have 1 year's experience in toxicology. Four hours per week, 8:00 a.m. to 5:00 p.m. Annual salary: $26,000. Qualified applicants should contact the Department of Environmental Health, Room C-123, Administration Building, National Bureau of Standards, Gaithersburg, MD 20899.

The National Bureau of Standards is an Equal Employment/ Afirmative Action Employer located in Gaithersburg, Mary- land. U.S. citizenship is required.

MOLLEULAR BIOLOGY OR MOLECULAR BIOLOGY

Indianas State University, Department of Life Sciences Center for Medical Technology is accepting applications for a certified CLINICAL LABORATORY SCIENCE CERTIFIED MEDICAL TECHNICIAN (A Ph.D.) in micro-immuno- or molecular biology. The position is to start spring, 1989 or fall, 1989. The individual will be required to teach a current course in clinical/molecular microbiology and an additional course in that area of expertise, establish an externally funded research pro- gram and direct graduate students. This is an assistant professor, tenure-track position. Send letter of application, curriculum vitae and names, addresses, and tele- phone numbers of three references to: Marvela L. Wunder, Department of Biological Sciences, Indiana State University, Terre Haute, IN 47809. Review of applica- tions will begin 30 October 1988 and continue until the position is filled. Indiana State University is an Afirmative Action/Equal Opportunity Institution.

DEPARTMENT OF MICROBIOLOGY PUBLIC HEALTH AND PLANT RESEARCH LABORATORY MICHIGAN STATE UNIVERSITY

The Department of Microbiology and Public Health and the MSU-DOE Plant Research Laboratory have available a joint, tenure-track faculty position at the ASSISTANT PROFESSOR level. Applications are being sought from individuals who propose to establish a research program that will use molecular approaches in the study of plant-microbe interactions. The Plant Research Laboratory is operated under a contract from the U.S. Department of Energy and provides a stimulating atmosphere and excellent facilities in the study of plant-microbe interactions. Additional support will be provided. An ongoing allocation of research funding is associated with the position. Initial participation in teaching will be at the 1st year level. Applications must have postdoctoral research experience with demonstrated productivity and evidence of poten- tial for future independent research. In order to receive full consideration, applications should preferably be received by 1 November 1988. Send curriculum vitae, and a description of research to: Dr. John A. Simon, MSU-DOE Plant Research Laboratory, Michigan State University, East Lansing, MI 48824. Telephone: 517-353-4888. Michigan State University is an Equal Opportunity/Afirmative Action Employer.
The CSIRO Division of Plant Industry conducts research on problems fundamental to plant biology and agricultural production. Prominent among this research are programs concerned with gene transfer and expression, cell culture and cereal biology. The prime objective of this research is to develop the molecular and cellular capacity for genetic manipulation to improve productivity in crop plants. As part of an expansion of this effort applications are invited for research positions in the following areas:

1. The characterisation of transacting factors responsible for the regulation of anaerobically induced genes. Desirable skills include DNA and RNA manipulation, protein purification and antibody experience. Reference Number M8111. The appointee to this position will be located at Divisional Headquarters in Canberra, ACT.

2. Transformation of maize. Skills include experience in plant transformation and tissue culture. Reference Number M8112. The appointee will be located in Canberra, ACT.

3. Characterisation of genes controlling dough qualities in flour. This project involves fractionating and characterising the protein components of cereal flour. Genes responsible for dough quality will be cloned and the content of their expression studied. A knowledge of protein biochemistry and familiarity with fractionating flour components would be an advantage. Reference Number D8113. The appointee will be located at the Division’s Wheat Research Unit at North Ryde, Sydney NSW.

Applicants should hold a Ph.D or equivalent qualifications, be well motivated and have experience in molecular biology techniques, preferably in plant molecular biology. In each position the scientist will be working as part of a team and should have appropriate personal qualities.

Tenure for each position is three years with Australian Government superannuation benefits available.

A copy of the job descriptions and the selection criteria can be obtained by telephoning 06 26 46 5126 or by writing to the address given hereunder.

APPLICATIONS: Indicating position/s of interest and stating full personal and professional details, names of at least two referees and quoting the relevant reference number/s should be directed to:

The Chief
CSIRO Division of Plant Industry
GPO Box 1800
Canberra, ACT 2601 AUSTRALIA
by 26 September 1988.

CSIRO IS AN EQUAL OPPORTUNITY EMPLOYER
MOLeULAR GeneticIst. the university of nevada, invites applications for a 12-month tenure-track appointment in cell and molecular biology at the level of assistant professor. the candidate is expected to develop an independent research program in molecular genetics. a ph.d. or. m.d. degree and postdoctoral training are required. the candidate should submit their curriculum vitae, a statement of research interests, and three letters of reference to steven st. jeor, molecular genetics search committee, room 208, howard research university, building 9,reno, nv 89557. application deadline is 1 november 1988 or until filled. affirmative action/equal opportunity employer.

MOLEcULAR geneticIST

The department of Life sciences at Indiana University invites applications for a postdoctoral position in molecular biology. the candidate will work in the laboratory of Dr. Paul G. Kepes, Department of Molecular Biology, University of Nevada, Las Vegas, Nevada. The position is available immediately. the candidate will be expected to conduct research in molecular biology. the candidate should have a Ph.D. in molecular biology or a related field. the candidate should present a strong and demonstrable record of research excellence in molecular biology and genetics. a brief description of current and future research interests, and names, addresses, and telephone numbers of three references should be submitted. applications should be submitted to: Dr. Paul G. Kepes, Department of Molecular Biology, University of Nevada, Las Vegas, Nevada. 89156. the department is an affirmative action/equal opportunity employer.

ORTHODONTICS—UNIVERSITY OF WASHINGTON

A full-time, tenure-track position is available at the ASSOCIATE professor or PROFESSOR level on 1 january 1989. Teaching responsibilities include conducting research, teaching basic science at the graduate level, and developing research projects with graduate students. Candidates should be able to teach basic and clinical orthodontics. areas of research could include orthodontics, biomechanics, and other related areas. applications should be submitted to: Dr. John K. Cummins, Department of Orthodontics, University of Washington, Seattle, Washington 98195. the deadline for applications is 1 november 1988.

PHYsIOlogIST, ASSISTANT/ASSOCIATE PROFESSOR, 12-month, tenure-track position is available for a basic scientist with an earned doctorate in physiology to develop and direct a physiology course for freshmen medical students. program development is expected. one of 2 positions is available. applications should include curriculum vitae and three or more references to: Dr. William B. Sams, Chairman, Department of Physiology, University of Virginia, Charlottesville, Virginia 22901. the university is an affirmative action/equal opportunity employer.

POSTDOCTORAL fELLOW. postdoctoral fellow to participate in a research program involving the study of fluorescent dyes labeled nucleic acids by fluorescence microscopy. must be able to conduct experiments of DNA of very large molecular weight in conjunction with electrophoretic mobility studies. require Ph.D. in biology or biochemistry and particularly specialization in the optical properties of nucleic acids and fluorescence labels for nucleic acids. a student of fluorescence microscopy would be most suited for the research. require demonstrated willingness to conduct research with a minimum of supervision. salary range $2000 to $3000 per month. send curriculum vitae and names, addresses, and telephone numbers of three references to: Dr. marcos maestre, c/o Ron lowder A4482, Lawrence Berkeley Laboratory employment, 90-1042, 1 cyclotron road, Berkeley, California 94720. an equal opportunity employer, M/F.

POSTDOCTORAL POSITION available immediately to study cyclic AMP phosphodiesterase G protein in Plasmodium berghei including their characterization, regulation, and interaction with other molecules. the position is available immediately. the candidate should have a Ph.D. in genetics, biochemistry, or molecular biology. the candidate should present a strong and demonstrable record of research excellence in molecular biology and genetics. require three or more references. send curriculum vitae and names of three or more references to: Dr. George C. Cochrane, Department of Biological Sciences, University of California, Santa Cruz, California 95064. an equal opportunity/affirmative action employer.

POSTDOCTORAL POSITION available immediately to study cyclic AMP phosphodiesterase G protein in Plasmodium berghei including their characterization, regulation, and interaction with other molecules. the position is available immediately. the candidate should have a Ph.D. in genetics, biochemistry, or molecular biology. require three or more references. send curriculum vitae and names of three or more references to: Dr. meilin thierry-palmer, Department of Biological Sciences, University of California, Santa Cruz, California 95064. an equal opportunity/affirmative action employer.
ASSOCIATE SCIENTIST
Cardiovascular Physiology/Toxicology Research

For more than a century, scientists at ELI LILLY AND COMPANY have developed innovative, high-quality pharmaceutical products. In 1988, Lilly is investing over $500 million in research-and-development programs. More than 3,000 scientists at the company's Lilly Research Laboratories and Biochemical Development Divisions are pursuing creative research programs that involve many important health care needs.

To further build its research capabilities, Lilly is seeking a self-motivated, innovative scientist to actively participate in the design, execution, analysis, and reporting of cardiovascular evaluations on novel human and animal health products in various animal species. The ideal candidate will have the following qualifications:

- Master's degree in physiology, biomedical engineering, or a related discipline.
- Strong background in the measurement and analysis of hemodynamic parameters in whole animal preparations utilizing state-of-the-art instrumentation.
- Excellent oral and written communication skills.
- Experience with the programming and use of laboratory computers.

Eli Lilly and Company is committed to scientific excellence. Lilly provides a stimulating professional atmosphere with many opportunities for collaborative, multidisciplinary research. The company offers an attractive compensation program. Entry level and salary will be based upon each candidate's experience.

For prompt consideration, please forward your curriculum vitae to:
Robert L. Nist
Science Recruitment (CV992)
Eli Lilly and Company
Lilly Corporate Center
Indianapolis, Indiana 46285

POSTDOCTORAL POSITIONS IN IMMUNOPHARMACOLOGY

Hoffmann-La Roche, a research-intensive pharmaceutical company located in suburban New Jersey, 12 miles from New York City, is seeking three Research Associates (Postdoctoral Fellows) to pursue cytokine-related research in its Immunopharmacology Program.

RECEPTOR BIOCHEMISTRY
As part of a large multi-disciplinary team utilizing a broad research strategy (from molecular biology to in vivo animal studies) to define the role of IL-1 in inflammation and immune functions, you will carry out independent research on the Interleukin-1 receptor and its mechanisms of action. A recent PhD is required; experience in receptor or membrane protein biochemistry including purification and/or signal transduction mechanisms is desired. Please refer to Position PK on resume.

MOLECULAR IMMUNOLOGY
Joining a multi-disciplinary team of Immunologists, Protein Chemists and Molecular Biologists, you will perform research on the identification, characterization and cloning of novel cytokines involved in the regulation of cytolytic lymphocyte responses. A PhD in Immunology or a related discipline, coupled with some experience in molecular biological techniques is required. Please refer to Position MB on resume.

TUMOR IMMUNOLOGY
Working with Immunologists, Protein Chemists and Molecular Biologists, you will isolate and characterize the cell surface molecules involved in the recognition of tumor cells by activated macrophages. This will involve using a series of novel oncogene-transformed macrophage cell lines. A PhD in Immunology or a related discipline, with a strong background in biochemistry or cell/molecular biology are required. Please refer to Position MB on resume.

These immediate positions offer the opportunity to conduct basic research while interacting with colleagues skilled in translating the results of research into therapeutic approaches. Publication of results is encouraged.

For immediate consideration, please send your curriculum vitae, the names of three references, and the code for the position you're interested in, to: Dr. William Benjamin, Director of Immunopharmacology, Roche Research Center, Hoffmann-La Roche Inc., Nutley, New Jersey 07110.
We are an equal opportunity employer.

Working Today For A Healthier Tomorrow.
POSTDOCTORAL POSITION IN MOLECULAR PARASITOLOGY

Investigations of the molecular mechanisms of mammalian cell destruction by the malaria parasite. The laboratory is inter-disciplinary and includes: identification of target cell ligands that stimulate contact mediated ameboid attack; use of monoclonal antibodies to identify parasite antigens involved in attack; elucidation of the regulatory signals controlling attack responses; role of the parasite cytoskeleton in the pathogenic mechanisms. Excellent opportunity for a new investigator to develop an independent line of research. Send curriculum vitae and names of three references to: Dr. Todd Richmond, Department of Microbiology, University of Texas Southwestern Medical School, 5323 Harry Hines Blvd., Dallas, TX 75390-9092.

POSTDOCTORAL POSITION IN MOLECULAR PARASITOLOGY

New York University Medical School

NIH-sponsored position available fall 1988 to study genes encoding surface antigens of malaria parasites. Laboratory investigates the evolution and function of malaria genes and the interaction of malaria antigens with the host's immune system. Ph.D. in molecular biology, immunology, microbiology, or a related field required. Applications should include a curriculum vitae and the names of three references to: Dr. M. B. Oliva, Department of Microbiology, New York University Medical Center, 550 First Avenue, New York, NY 10016. New York University Medical Center is an Equal Opportunity Employer.

POSTDOCTORAL POSITIONS OPEN

Several funded postdoctoral positions available 1 January 1989 in the Developmental Biology Center, University of California, Irvine, CA 92717. Recent Ph.D. required, preferably in cell, molecular or developmental biology, neurobiology, or genetics. Positions are for research with Dr. M. B. Oliva (molecular basis of stem cell differentiation and patterning in hydra), Dr. M. A. Dobson (role of extracellular matrix in neural crest migration and neural crest cell lineage), Dr. P. D. Bryant (molecular genetics of growth control in Drosophila), Dr. S. G. Bryant (molecular and biochemical analysis of growth control in vertebrate limbs), Dr. J. D. Bryant (molecular and cellular biology of vertebrate cell adhesion molecules and their roles in development), Dr. L. M. Smith (molecular aspects of oogenesis and development), or Dr. R. E. Scott (development of new techniques for cloning genes). U.S. citizenship or permanent residency status required. For more information, contact the individuals above. To apply, submit résumé and description of research interests and experience, and have three letters of recommendation sent to: The Dean, Developmental Biology Center (address above). Deadline for applications December 1988. The University of California is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS OPEN

The department of clinical immunology and biological therapy at the University of Texas Cancer Center of the University of Texas Health Science Center has openings for scientists with Ph.D. and/or M.D. degrees to study cell and biochemical pharmacology aspects of several novel and clinically useful lymphokines and cytokines. Under investigation will be the biology of the new cytokines (IL-2, IL-4, IL-6, etc.), TGFs, novel lymphokine hybrids, interactions between CRM antibody delivery systems, and a variety of other areas. For further information, please call: Jordan U. Gutterman, M.D., 713-792-2676 or write to: The University of Texas Cancer Center, Department of Clinical Immunology and Biological Therapy, 1515 Holcombe Boulevard, Suite 410, Houston, TX 77030.

POSTDOCTORAL POSITIONS—CELL SIGNALS

Three collaborating laboratories have positions for the study of second messenger systems in various cell systems. Stimulus-secretion coupling in chromaffin cells (Dr. J. C. Poiesz, University of Colorado), and, posttranslational modification of specific proteins in the expression of alkaline phosphatase in the placental mouse embryo. Experience in embryo handling, immunofluorescence, or molecular biology desired but not required. Send curriculum vitae and the names of three references to: Dr. R. A. Zimmerman, c/o Personnel Office, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, MA 01545. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION IN MOLECULAR PARASITOLOGY

New York University Medical School

NIH-sponsored position available fall 1988 to study genes encoding surface antigens of malaria parasites. Laboratory investigates the evolution and function of malaria genes and the interaction of malaria antigens with the host's immune system. Ph.D. in molecular biology, immunology, microbiology, or a related field required. Applications should include a curriculum vitae and the names of three references to: Dr. M. B. Oliva, Department of Microbiology, New York University Medical Center, 550 First Avenue, New York, NY 10016. New York University Medical Center is an Equal Opportunity Employer.

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SECOND ANNUAL
NORTH AMERICAN
CYSTIC FIBROSIS CONFERENCE
September 28–October 1, 1988
Orlando, Florida

A multidisciplinary conference for researchers, physicians, and allied health care professionals on the latest advances in CF research and care.

Presented by the
Cystic Fibrosis Foundation

Conference Chairman:
Raymond A. Frizzell, Ph.D.
Beryl J. Rosenstein, M.D.

LENARY SESSIONS

The Search for the Basic Defect
Michael Welsh, M.D.
University of Iowa

Immunological Approaches to Lung Disease
Melvin Berger, M.D., Ph.D.
Case Western Reserve University

Pathophysiology: Bridge from the Lab to the Bedside
Thomas Boat, M.D.
University of North Carolina at Chapel Hill

SYMPOSIA

Cardiopulmonary Management
R. Tepper—Infant Pulmonary Function Testing,

Psychosocial Issues
M. Bluebond-Langner—Brothers and Sisters, Illness and Death, R. Stern—Use of Unprescribed Psychoactive Drugs, K. Bartholomew—Education Interventions.

The Search for the Gene
F. Collins—Strategies for Identifying the Gene, R. Williamson—Chromosome Mediated Gene Transfer, L. Tsui—Search for the CF Gene.

Heart/Lung Transplantation in CF Patients

Clinical Genetics
A. Beaudet—Prenatal Diagnosis, F. Gilbert—Carrier Testing, M. Kaback—Psychosocial Issues.

Controversies in CF Care

IDENTIFYING AND CHARACTERIZING ION CHANNELS
Q. Al-Awqati—The Chloride Channel, D. Benos—The Sodium Channel, I. Levitan—Ion Channel Regulation by Phosphorylation.

BIOLOGY OF PSEUDOMONAS AND HOST MECHANISMS

NUTRITION ASSESSMENT

ADULT CARE

INFECTION IN CF

REGULATORY MECHANISMS

CONTRIBUTED PAPERS AND CONFERENCE PUBLICATION
More than 175 abstracts will be presented in poster form. Proceedings will be published as a supplement to Pediatric Pulmonology. The conference will also include 23 workshops, as well as roundtables in 49 separate subject areas.

CME credits and CEUs for the conference are pending.

REGISTRATION FEE: $125 (U.S.)
For more information, contact the
Cystic Fibrosis Foundation
6931 Arlington Road
Bethesda, MD 20814
(301) 951-4422
The College of Staten Island of the City University of New York

The Department of Biology

seeks candidates for a full-time tenure track position. Preferred areas of research are microbiology or immunology or biochemistry. Ph.D. and postdoctoral experience required. Teaching experience and grant activity desirable. The Department participates in the CUNY Doctoral program in Biology. Salary and rank commensurate with experience, background and professional qualifications. Send vitae and names of 3 references by Nov. 1, 1988 to: Dr. Richard Resch, Dean of Science and Technology, The College of Staten Island/CUNY, 130 Stuyvesant Pl, Staten Island, NY 10301.

Equal Opportunity/Affirmative Action Employer

ACQUISITION EDITORS

Academic Press, Inc., an international publisher of scientific and technical books and journals, is seeking experienced applicants for two San Diego-based life science editorial positions with emphasis on biochemistry and molecular biology, cell biology, microbiology, or immunology with a secondary background in ecology, marine biology, or plant science.

The positions offer the opportunity to help shape scholarly publishing for life science textbooks, monographs, references, and scholarly journals. Applicants must have scientific publishing experience or graduate education in biology.

Candidates will offer enthusiasm, creativity, and insight into future trends in research as well as experience in publishing or scientific writing and publishing. Direct interaction with active scientists through extensive travel is required.

The editorial positions offer comprehensive benefits and an excellent starting salary. Letters of application and a resume should be sent to Steven A. Dowling, President, Academic Press, 1250 Sixth Avenue, San Diego, CA 92101.

FACULTY POSITIONS IN MICROBIOLOGY

The Department of Biology at Texas A&M University is augmenting its research effort in Microbiology and invites applications for four tenure-track faculty positions. Candidates should be using bacterial, viral or lower eukaryotic systems to study fundamental biological problems at the genetic, cellular or molecular level. Essential qualifications include a strong record of research accomplishment, the ability to develop a vigorous, independent research program, and a commitment to the training of undergraduate and graduate students. The Department has excellent research facilities and will provide competitive salaries and startup funds. Please send curriculum vitae, a statement of research interests, the names, addresses and phone numbers of at least three references by October 1, 1988, to: Dr. B. G. Foster, Department of Biology, Texas A&M University, College Station, TX 77843.

TEXAS A&M UNIVERSITY IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER. MINORITY CANDIDATES ARE ESPECIALLY ENCOURAGED TO APPLY.

Positions Open

Quantitative Ecologist. Tenure-track position at the assistant professor rank to begin January 1989. Candidate must have a Ph.D., with postdoctoral research and teaching experience preferred. Teaching duties include biometry, with a specialty area in either population ecology, physiological ecology or multivariate community analyses preferred. Send curriculum vitae, names and addresses of four references, and description of research interest to: H. G. Marshall, Chairman, Department of Biological Sciences, Old Dominion University, Norfolk, VA 23529. Review process will begin 1 October 1988, and will remain open until qualified candidate is found. Old Dominion University is an Affirmative Action, Equal Opportunity Institution and requires compliance with the Immigration Reform and Control Act of 1986.

Radiation Biologist

Oak Ridge National Laboratory's (ORNL) Biology Division is seeking applicants with a Ph.D. or equivalent in radiation biology with a research emphasis on the mechanisms of induction of cancer. Persons with experience in molecular biology, experimental pathology, or related disciplines are encouraged to apply. The successful applicant will be expected to develop their own research as well as collaborate in ongoing projects of the Radiation Carcinogenesis Program. ORNL offers an excellent benefits package and a generous relocation program plus a stimulating working environment. Salary commensurate with experience. Qualified applicants should forward curriculum vitae, publication list, copies of academic transcripts, and names of three references to: R. J. Michael Fry (Chairman, Search Committee), Biology Division, P.O. Box 2009, Oak Ridge National Laboratory, Oak Ridge, TN 37831-9077.

ORNL Operated by Martin Marietta for the U.S. Department of Energy
An Equal Opportunity Employer
U.S. Citizenship/Permanent Resident Required

Reproductive Biologist/Toxicologist

The California Public Health Foundation seeks reproductive biologist/toxicologist to develop risk assessment guidelines for reproductive hazards; assess risks from exposures to specific reproductive toxins; and administer scientific projects. Applicants must have a Ph.D. and 3 years of postdoctoral experience. Salary ranges are: Reproductive biologist $4700 to $5700 per month; reproductive toxicologist: $3990 to $4800 per month. Send resume, Kim Hooper, Ph.D., Reproductive and Cancer Hazard Assessment Section, CA Department of Health Services, 2151 Berkeley Way, Annex 2, Berkeley, CA 94704. Equal Opportunity Employer/Affirmative Action.

Reproductive Physiologist. Tenured position at the assistant professor rank to begin January 1989. Candidates must have a Ph.D., with postdoctoral research and teaching experience preferred. Successful candidate expected to develop an active research program. Collaborative research possible in reproductive biology and in an in vitro fertilization program. Teaching duties include advanced human physiology and neurophysiology. Send curriculum vitae, names, and addresses of four references and description of research interests to: H. G. Marshall, Chairman, Department of Biological Sciences, Old Dominion University, Norfolk, VA 23529. Review process will begin 1 October 1988, and will remain open until qualified candidate is found. Old Dominion University is an Affirmative Action/Equal Opportunity Institution and requires compliance with the Immigration Reform and Control Act of 1986.

Research Associate of Pharmacology. Opportunity exists to work on a project concerned with investigations into which interferon and insulin regulates the transcription of certain genes. In these investigations techniques of molecular biology, recombinant DNA technology and analytical biochemistry will be used. Contact: Dr. Joseph Larner, Department of Pharmacology, University of Virginia, School of Medicine, Charlottesville, VA 22908. An Affirmative Action/Equal Opportunity Employer.
MINERAL AND PROCESS ENGINEERING
CHIEF OF DIVISION

CSIRO is seeking an Engineer or Scientist with a commitment to research management, a distinguished record of research achievement, and a sound appreciation of the operation and needs of the Australian minerals industries, to lead and manage our Division of Mineral and Process Engineering.

The Division conducts research in support of the international competitiveness of mineral, energy and metal production industries in Australia. It utilizes its research skills in chemical engineering, mineral processing, and mathematical modelling in close collaboration with industry. Particular emphasis is placed on instrumentation and control, materials handling and mineral beneficiation; and on smelting and ferrous and non-ferrous metal production.

The Division has some 200 staff located in well equipped laboratories at Clayton and Port Melbourne, Victoria and at Lucas Heights and North Ryde (Sydney), New South Wales.

The Chief will provide leadership and scientific direction to the research of the Division, promote its interests to industry, government and the community, and foster collaboration with Australian industry to ensure the application of its research. He or she should have a sound knowledge of the operations and needs of some or all of mineral, base metal and energy industries and of prospective applications of research in these areas.

The position is offered for 5 to 7 years, with appointment on an indefinite basis, including Australian Government Superannuation and subsequent options for a further term or placement in a senior position in the Organisation. The salary will be A$70,309 (Chief 3) per annum, with an expense of office allowance of A$2,167 per annum.

Alternatively for an applicant from outside CSIRO a 5 year contract with special remuneration and superannuation package may be negotiated. A renewal option could be included.

Location: The appointee will be located at Clayton, Victoria.

The Chairman of the Search Committee Dr A. F. Reid, would be pleased to provide further information or discuss the position with potential applicants. He would also be pleased to receive suggestions for the appointment from people standing in the field. He may be contacted in Sydney by telephone 61-2-887 8222, telex AA25817 or facsimile 61-2-887 8197.

Applications: These will be treated in confidence. Relevant personal particulars, including details of qualifications and experience, and the names of at least three professional referees should be directed to the following address by 30 September, 1988.

Dr A. F. Reid, Director Institute of Minerals, Energy and Construction, P. O. Box 93, North Ryde, NSW 2113, Australia.

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MICROPROBE CORPORATION

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DIAGNOSTIC & THERAPEUTIC PRODUCTS

MicroProbe, an innovative, rapidly growing company, applying synthetic oligonucleotide technology to diagnostic and therapeutic products, has immediate openings for Senior Scientists and Research Associates in:

Molecular Biology: Non-isotopic DNA probe assay development. Regulation of gene expression at the DNA and RNA level.

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Senior Scientists will have a Ph.D. plus post-doctoral training. Research Associates will have an M.S., or a B.S. with experience.

MicroProbe is located in suburban Seattle and offers a stimulating research & development environment, a competitive salary and benefits package, plus an equity position.

Submit resume in confidence to:

MicroProbe Corporation
1725 220th Street SE, No. 104
Bothell, WA 98021

MOLECULAR/CELLULAR BIOLOGIST

The Lovelace Inhalation Toxicology Research Institute in Albuquerque, New Mexico seeks a Molecular/Cellular Biologist to join its internationally recognized program concerned with the mechanisms by which airborne toxic materials impact on man and his environment. The Institute approaches its mission with a strong, multidisciplinary team of researchers trained in the biomedical, biophysical and physical sciences. The scope of research includes molecular, genetic, cellular and tissue responses to toxic materials.

The individual we seek will participate in the conduct of research on molecular biology and carcinogenesis, using both in vitro and in vivo techniques. Doctoral degree in molecular and cellular biology and a strong publication record are necessary, as are good communication skills and a desire to work independently and collaboratively as part of a multidisciplinary team. U.S. citizenship or permanent residency also required. Preference will be given to applicants with 2 or more years of postdoctoral research experience in DNA damage and repair, cell transformation, transcriptional and translational regulation and molecular hybridization techniques.

We offer an outstanding benefit program and a competitive salary. Starting date is negotiable. Qualified applicants are invited to submit a curriculum vitae and summary of research interest to: Personnel Unit, Lovelace Inhalation Toxicology Research Institute, P.O. Box 5890, Albuquerque, NM 87185. (505) 844-9431.

We are an Equal Opportunity / Affirmative Action Employer.
POSITIONS OPEN

POSITION OPENING RESEARCH ASSOCIATE

The Indiana State Utility Forecasting Group (SUFG) invites applications for a full-time research associate position. This position will involve research in atmospheric emissions control technology, air pollution, chemical and physical mechanisms of the photochemical smog process, and the role of chemistry in atmospheric dispersion and chemical utilization. The position will require travel and cooperation with governmental agencies, utility companies, and other private companies. Applicants having a Ph.D., although AB1D candidates or persons having an equivalent Master’s degree with three to five years of experience will be considered. Advanced degree work should be in environmental technology, atmospheric science, chemical engineering, or other related technical areas. The position will be based primarily at Indiana University in Bloomington, although work at Purdue University in West Lafayette will be required. Salary range will be $21,000 to $25,000, dependent upon qualifications and experience.

Interested applicants should submit curriculum vitae and the names of three references to 23 September 1988 to: Rita Forster, School of Public and Environmental Affairs, Room 140, Indiana University, Bloomington, IN 47405.

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THE UNIVERSITY OF QUEENSLAND
Equal Opportunity to Women Policy

RESEARCH OFFICER/RESEARCH FELLOW
SENIOR RESEARCH FELLOW

ELECTRON MICROSCOPE CENTRE

Two positions are available for independent scientists with experience in the fields of electron microscopy to biological, biomedical or physical problems. The Centre is installing a state-of-the-art 400-kV AEM and reorganizing its service and research functions across all applied EM disciplines within the University. The selection of candidates for these positions will strongly influence the research direction and planned expansion of the Centre. Candidates should show an interest in the subdiscipline within which they would develop their own research program and should also state the earliest date of availability. Applications are expected to have a Ph.D. in any field of the biological or physical sciences, a good publication record, well-developed communication skills and considerable experience with current electron microscopy techniques. Evidence of fund-raising ability through grants and/or industrial contracts would be an advantage. An interview of Centre users in sophisticated EM techniques on an informal basis will be arranged. For further details please contact: Dr. Ian D. Mackinnon, Director, Electron Microscope Centre, The University of Queensland; telephone 07-373-6302; facsimile 07-372 8586. Salary range $24,816 to $44,403 per annum for a fixed term of 3 to 5 years with possibility of renewal. Applications (with current curriculum vitae) and any other relevant experience will be examined. Successful applicants are eligible to enrol in the University superannuation scheme and to receive limited removal expenses on employment. Closing date: 26 September 1988. Reference No: S5488.

Applications containing names of three referees should be forwarded directly to: Dr. Mary Barrett, Personnel Services, J. D. Story Building, The University of Queensland, St. Lucia Queensland 4067, Australia.

PRINCETON UNIVERSITY
CENTER FOR ENERGY AND ENVIRONMENTAL STUDIES

RESEARCH POSITIONS available to lead ongoing programs to measure and model energy use and/or indoor air quality in buildings and to develop efficient mitigation techniques. Ph.D. desirable; relevant experience considered. Assistant and Associate positions only. Position available as part of a postdoctoral research associate position. Candidates will be affiliated with the Lions’ Sight Centre and a relevant Research Group. Interdisciplinary collaborations will be encouraged. Part of professional development, photoreceptor maintenance and repair, cellular bases of visual processing, and the pathophysiology of diabetic retinopathy. 75% of time will be protected for research.

Applications should be sent to: Princeton University, an Equal Opportunity/Affirmative Action Employer, Accepted by: AMD-888, Center for Energy and Environmental Studies, H102 Engineering Quad., P.O. Box CN 5263, Princeton University, Princeton, NJ 08544-5263.
Glaxo's Growth Is Your Opportunity

Glaxo Inc. is not only one of the Top 10 ethical pharmaceutical firms in America, we're also the fastest growing research-oriented company in the country. As such, we can offer exceptional career opportunities, state-of-the-art facilities, and a firm commitment to producing the most effective pharmaceuticals that experience, imagination, and advanced technology can create. Join Glaxo, and apply your knowledge and career ambitions where they'll do you the most good.

We currently have the following position available at our Corporate Headquarters located in Research Triangle Park, N.C.:

**RESEARCH GROUP LEADER**

**New Product Development**

Within our Clinical Pharmacokinetics/Bioanalytical Department, this person will be responsible for a methods development group which concentrates on improving and establishing bioanalytical procedures to use on marketed and new chemical entities from Glaxo Research and transferring these new methods to analysts who support the Clinical Development and Research program. While supervising 2-3 research scientists on independent research-based or method development projects, this individual will assist in problem-solving chromatographic problems involving method development and study proper analysis projects.

**Background must include a Ph.D. in Analytical Chemistry or a related area with 3-5 years' experience in the pharmaceutical industry or academia. A strong chromatography background with excellent problem solving skills are required, as well as experience with a variety of chromatography techniques (e.g. EC/IC, HPTLC, GC, GC/MS and RIA). Computer literacy using micro and mainframes and experience using various data acquisition systems (MAXIMA, NELSON, LAS, etc.) and software is required.**

At Glaxo Inc., growth opportunities and up-to-date facilities are complemented by a location (near Raleigh/Durham) that has excellent resources in close proximity. Prestigious universities, scenic vistas, lively recreational areas, and exciting cultural opportunities are all a part of the daily life of the Glaxo professional. Further, we reward talent and creativity with an excellent salary and benefits package (including a completely equipped, on-site athletic facility). Candidates interested in this position, please send resume, including salary history, to:

Human Resources Department
Job #8620X830

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a major innovator in the research, development, manufacture and marketing of ethical drugs has the following openings in our expanding Toxicology and Safety Assessment Department. These positions are located at our research and development campus located in DANBURY, CT.

**REGULATORY / REVIEWING TOXICOLOGISTS**

Responsible for the critical review and evaluation of toxicity and pharmacology studies, analysis and interpretation of data and the integration of reports into scientific documents. Participate in project management teams to maintain effective scheduling and tracking of research projects. The opportunity exists for participation in laboratory activities.

Requirements include a PhD or BS/MS with equivalent experience in Toxicology, Pharmacology or related Life Science with 2 or more years similar experience in industry or government; excellent writing skills, and knowledge of the drug development process.

BOEHRINGER INGELHEIM offers a highly competitive compensation and benefits package, relocation assistance, an excellent work environment and the opportunity to have your contributions recognized. For consideration please forward your resume to: Dept. JC-15 BOEHRINGER INGELHEIM PHARMACEUTICALS, INC., 90 East Ridge, P.O. Box 368, Ridgefield, CT 06877. We are an equal opportunity employer m/f/h/v.

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**MOLECULAR BIOLOGIST/ VIROLOGIST**

At Cetus Corporation, we are committed to maintaining our leading role in the research and development of biotechnology-based health care products. We’re currently seeking a Scientist or Research Associate to take part in the development of recombinant herpes viruses for veterinary vaccine uses.

Requirements for this position include experience in molecular biology or virology, and recombinant DNA technology. A background in herpes virus research is desirable. Candidates may have either a PhD or a BA/BS with several years’ experience in related areas. For immediate and confidential consideration, please send your resume to:

Cetus Corporation,
Box JN, 1400 53rd St.,
Emeryville, CA 94608

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SUPERINTENDENT
VIRGINIA TECHS
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EXPERIMENT STATION
HAMPTON, VIRGINIA

Applications are invited for the position of Superintendent of the Seafood Station with concurrent Research Scientist faculty appointment in the Department of Food Science and Technology. Incumbent will be responsible for management of the Virginia Seafood Station and leadership in developing, implementing and monitoring a pre-eminent extension/research program on fish, shellfish and related food products. Ph.D. in food science or related area. Demonstrated extension/research capability, leadership skills. Salary commensurate with qualifications. Applications accepted up to 1 October 1988 or until a suitable candidate is located. Submit résumé, transcripts and three letters of recommendation to:

Dr. Merle D. Pierson, Head
Department of Food Science and Technology
Virginia Polytechnic Institute and State University
P.O. Box 043211, Blacksburg, VA 24061

An Equal Opportunity/Affirmative Action Employer

DEPARTMENT OF SPEECH PATHOLOGY AND AUDILOGY
THE UNIVERSITY OF ALBERTA

SPEECH-LANGUAGE PATHOLOGIST: A tenure-track position is available 1 July 1988 at the rank of assistant professor. The applicant must hold a Ph.D. degree in speech-language pathology or related discipline and specialize in child language disorders. Specific interest in the language disorders of school-aged children is preferable. Proven research and university teaching ability are required and certification by the American Speech-Language-Hearing Association is desirable. Salary will be commensurate with qualifications (annual minimum of $32,000). The deadline for receipt of applications is 15 November 1988. The Department of Speech Pathology and Audiology is planning a major expansion in graduate programs, and will have a significant increase in facilities, particularly for teaching and research, upon renovation of recently allocated space. Please apply by sending curriculum vitae, names of three referees and a statement of teaching and research interests to:

Martha Piper, Ph.D.
Dean, Faculty of Rehabilitation Medicine
316 Corbett Hall
University of Alberta
Edmonton, Alberta, Canada T6G 2G4

The University of Alberta is committed to the principle of equity in employment.

STAFF RESEARCH ASSOCIATE POSITION
open for the studies of transcriptional regulation and function of human theta-l globin gene (see Nature 331, 594-596 (1988)). A Ph.D. with research experience in DNA protein interactions, and polypeptide expression in E. coli cells will be an advantage. Send curriculum vitae and references to:

Dr. James Shen, Department of Genetics
University of California, Davis, CA 95616.

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SYSTEMATIC DIATOMIST

The California Academy of Sciences invites applications for the G. Dallas Hanna Chair of Diatom Studies. This is an endowed position held by an Assistant Curator in the Department of Invertebrate Zoology and Geology. The Academy presently holds a collection of 40,000 lots of diatom specimens, principally fossil, most of which are catalogued in a computerized database. The content of the collection is not known. Primary responsibilities of the successful applicant will include: (i) original systematic and evolutionary biological research on diatoms and expansion of the diatom collection, including securing support for its maintenance, (ii) participation in educational and exhibit activities within the Academy, and (iii) development of the education program. Requirements: Applicants must have a Ph.D. in a relevant discipline and have demonstrated excellence in diatom systematic research. Preference will be given to applicants with a strong publication record and who have demonstrated an ability to attract grant funds for research and collection support.

To apply: Send curriculum vitae and names and addresses of five references to: Dr. Daphne G. Fautin, Director of Research, California Academy of Sciences, Golden Gate Park, San Francisco, CA 94118. The closing date for receipt of application materials is 30 September 1988.

The California Academy of Sciences is an Equal Opportunity Employer.

The Computation and Neural Systems (CNS) option at the California Institute of Technology is conducting a search for a tenure-track faculty member. The CNS is an academic program offering curriculum leading to a Ph.D. degree. It was established in 1986 as an interdisciplinary program that combines Engineering and Computer Science and Applied Science divisions in order to bring together scientists who are investigating how computation is done in the nervous system and engineers and scientists that are developing ideas from neuroscience to the development of new computational devices and algorithms. Appointments can be either in the biology or engineering divisions, or both, depending on the interests of the successful applicant.

The primary intent of the search is for appointments of either a theorist or an experimentalist at the assistant professor level, however, exceptionally qualified senior candidates may also be considered. The areas for which the search is conducted include: Learning Theory and Algorithms, Biophysics of Computation and Learning, Neural Approaches to Pattern Recognition, Motor Control, Problem Representations and Network Architectures, Small Nervous Systems, Network Dynamics, Speech and Audition. The successful applicant will be expected to develop a strong research activity and to teach courses in his or her specialty.

Applicants should send a résumé, including list of publications, a brief summary of research accomplishments and goals, and names of at least three references to: Professor D. Packard, MS 116-81, Caltech, Pasadena, CA 91125.

Caltech is an Equal Opportunity Employer and it specifically encourages minority and women to apply.

DEPARTMENT OF NEUROBIOLOGY, ANATOMY AND CELL SCIENCE
UNIVERSITY OF PITTSBURGH
SCHOOL OF MEDICINE

We are seeking to fill THREE TENURE-TRACK POSITIONS with individuals having research interests that are compatible with current areas of strength in the department. These areas include neural development, nerve-muscle interactions, neural transplantation, cortical organization, endocytotic mechanisms and cell-cell interactions. Applicants should have a strong background in molecular biology, antibody probes and cell biological approaches as well as more traditional neurophysiological and neuroanatomical approaches. Candidates must have a background in competitive research programs, and be prepared to teach in medical histology/cell biology or gross anatomy courses as well as participate in interdisciplinary graduate programs. Deadline for application is 30 September 1988.

Please send curriculum vitae, a summary of current research and future research plans and the names of three referees to R. L. Lund, Chairman, Search Committee, Department of Neurobiology, Anatomy and Cell Science, University of Pittsburgh, School of Medicine, Pittsburgh, PA 15260. The University is an Equal Opportunity/Affirmative Action Employer.

SPECIAL Tenure-Track Position in environmental biology. Preference will be given to candidates who complement areas of specialization within the Department. These would include, but are not limited to, environmental physiology, ecology, or aquaculture. Applicants must have a Ph.D. and be committed to research and teaching. The successful candidate will be expected to develop a vigorous research program, interact with existing research faculty, and addition they will participate in undergraduate and graduate teaching. Appointment could be at the assistant/associate professor level.

Applications should submit a letter of application, a statement of their research interests and a curriculum vitae with names of three potential referees to: Dr. Richard T. Riding, Chairman, Department of Biology, University of New Brunswick, Bag Service 15, Fredericton, N.B. E3B 6E1. Closing date is 1 November 1988 or as soon as the position has been filled. In accordance with Canadian Immigration requirements this advertisement is directed to Canadian citizens and permanent residents.

TENURE-TRACK FACULTY POSITION
MOLECULAR BIOLOGY AND GENETICS
COLLEGE OF MEDICINE
THE OHIO STATE UNIVERSITY

Applications are invited for a full-time tenure-track position at the assistant/associate professor level for individuals with an M.D. and/or Ph.D. plus at least 2 years of postdoctoral research experience. Substantial institutional salary support and modern laboratory space commensurate with research record. Individuals who have strong backgrounds in recombinant DNA research relevant to aging and malignancies are particularly encouraged to apply. The position provides an opportunity for biomedical research with ongoing programs in immunology, aging, cancer and growth factors. The appointment will be in the appropriate basic scientific department, with a dual appointment in the Comprehensive Cancer Center. The major responsibility will be to establish a vigorous independent research program with external funding. Please send curriculum vitae, statement of research plans and names of three or more references to:

Dr. Ronald Whisler
Chairman, Search Committee
The William H. Davis Medical Research Center
Room 2056
480 West 10th Avenue
Columbus, OH 43210

The Ohio State University is an Equal Opportunity/Affirmative Action Employer. The institution wishes representation of minority members and women among its faculty and such candidates are particularly encouraged to apply.

SYMPOSIUM

ADVANCES IN CHEMOTHERAPY OF AIDS
33 SEPTEMBER 1988

Symposium on recent advances in basic research on development of novel drugs and pharmacologic approaches against AIDS. Details and application forms from: Division of Clinical Pharmacology, University of Alabama at Birmingham, Box 600, Birmingham, AL 35294.

SCIENCE, VOL. 241

1260
THE LINK FOUNDATION ENERGY FELLOWSHIP PROGRAM

Objectives:
To foster energy research: to enhance both the theoretical and practical knowledge and application of energy research; and to disseminate the results of that research through lectures, seminars and publications.

The Awards:
Doctoral Student Awards: On the basis of an application to the foundation in the form of a research proposal, awards will be made to doctoral students in academic institutions. The award will consist of a grant of $16,000. The student will be awarded $15,000, of which a maximum of $12,000 may be used for academic year stipend and summer stipend; $3,000 is for expenses associated with the research; the remaining $1,000 is to help defray publication costs of the student research results.

Basis for Award:
An independent committee will review proposals. Preference will be shown to proposals dealing directly with energy and exploring ideas not yet fully tested, rather than to developed programs already in progress. However, in keeping with the founder’s philosophy, ideas that can be implemented in the relatively near term will be given first priority.

Application Forms and Guidelines:
Please write to:
Link Foundation Fellowship (A-2)
The Office of the Dean
College of Engineering and Applied Science
University of Rochester
Rochester, NY 14627

Deadline:
Proposals must be submitted on or before December 1, 1988

Announcement of Awards:
March 17, 1989
The Link Foundation and the University of Rochester provide equal opportunity regardless of sex, race, handicap, color and national or ethnic origin.

RESEARCH SCIENTIST/ MOLECULAR BIOLOGIST
DIVISION OF COMPARATIVE MEDICINE

Duties include conducting independent research and contributing to collaborative research projects; participating in the teaching and training of post-doctoral associates; providing diagnostic microbiology support for DOM's laboratory animal program.

Qualifications – Ph.D. and post-doctoral research experience in the molecular and genetic aspects of bacterial diseases. Demonstrated ability to obtain extramural funding.

Applicants should submit curriculum vitae, summary of current research activities, and names of three references to Dr. James G. Fox, MIT Division of Comparative Medicine, 37 Vassar Street, Cambridge, MA 02139.

MIT is an equal opportunity/affirmative action employer.

A COMMUNITY AT WORK

MIT

BS/MS SCIENTIST
Pharmacology Research

For more than a century, scientists at ELI LILLY AND COMPANY have developed innovative, high quality pharmaceutical products. In 1988, Lilly is investing over $500 million in research-and-development programs. More than 3,000 scientists at the company’s Lilly Research Laboratories and Biochemical Development Divisions are pursuing creative research programs that involve many important health care needs.

To further build its research capabilities, Lilly is seeking a self-motivated, innovative scientist for work in the Immunology, Pulmonary, and Leukotriene Research or the Cardiovascular Pharmacology Divisions. The ideal candidate will have the following qualifications:

* Bachelor’s or Master’s degree in biology, pharmacology, physiology, or a related discipline.
* Two to five years experience in immunology or pharmacology laboratory.
* Small animal handling and surgery skills desirable.
* Experience with RIA, ELISA, or tissue culture, and experience in enzymology, protein chemistry, or radioligand binding assays also desirable.

Eli Lilly and Company is committed to scientific excellence. Lilly provides a stimulating professional atmosphere with many opportunities for collaborative, multidisciplinary research. The company offers an attractive compensation program. Entry level and salary will be based upon each candidate’s experience.

For prompt consideration, please forward your curriculum vitae to:

Robert L. Nist
Science Recruitment (API)
Eli Lilly and Company
Lilly Corporate Center
Indianapolis, Indiana 46285
CALL FOR PROPOSALS

DYSTONIA MEDICAL RESEARCH FOUNDATION
Invites Grant and Fellowship Applications

Dystonia consists of involuntary, often prolonged muscle spasms resulting in abnormal postures. The diseases involve striatonigral, spinal cord, and extrapyramidal systems. The condition is thought to be due to basal ganglia dysfunction but pathological findings are few. Present animal models are unsatisfactory.

Proposals on dystonia are solicited, aimed at discovering the cause or improving treatment. Grants are limited to $25,000 per year, renewable for 1 or 2 years. Investigators are sought for a $50,000-a-year Fellowship renewable for 3 years to attract gifted investigators to commit time and effort to dystonia. Deadline for review is 15 December 1988. For application forms, write: Dr. Charles Markham, Scientific Director, Dystonia Medical Research Foundation, 8343 Wilshire Boulevard, #800, Beverly Hills, CA 90211.

COURSE

TUFTS UNIVERSITY
HEALTH SCIENCES CENTER PRESENTS
1988 SYMPOSIUM ON THE CONTROL OF PROLIFERATION AND CANCER: A BALANCED OVERVIEW 13–14 October 1988
Royal Sonesta Hotel, Cambridge, Massachusetts

Supported in part by a grant from the National Institutes of Health.

Program Chairmen: Carlos Sonnenschein, M.D. Ana M. Soto, M.D.

Scientific Program: Growth Factors, TGF-B, Oncogenes, Cologene, Tumor Suppressor Genes. Speakers: Aaronson, Bryant, Croce, Duesberg, Folkman, Gazit, Kourides, Mehler, Moses, Ringertz, Sonnenschein, Soto, Weinberg. For information: Office of Continuing Education, Tufts University School of Medicine, 136 Harrison Avenue, Box 36, Boston, MA 02111. Telephone 617-956-6679.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP
NIH Staff Fellow and/or Visiting Fellow/Associate positions are available at the National Institute of Alcohol Abuse and Alcoholism (NIAAA). Studies are on metabolic control, development, and characterization of peptide growth factors and their interaction with metabolic processes. Salary range is from $21,000 to $32,500 depending upon qualifications.

NIH/NIAAA Minority Opportunities Initiative

Send curriculum vitae and two letters of reference to:
Dr. Richard Vecch
Laboratory of Metabolism and Molecular Biology
NIAAA
12501 Washington Avenue
Rockville, MD 20852
Telephone: 301-443-3063

FELLOWSHIPS IN PSYCHIATRIC RESEARCH

Department of Psychiatry, Cornell University Medical College. Research fellowship training in psychiatry for up to 2 years. Open to individuals completing their PGY-IV year or who are completing a child psychiatry fellowship. Fellows participate in ongoing clinical research projects and learn research design and skills by working closely with research faculty. Among the areas of research are affective disorders, anxiety disorders, child and adolescent psychiatry, AIDS, chronobiology, and geriatric psychiatry.

There are also fellowships available in eating disorders and in psychobiology.

Deadline: 1 November 1988. Contact: Gerald L. Klerman, M.D., Director, Psychiatric Research Fellowship Program, Cornell University Medical College, Payne Whitney Psychiatric Clinic, Box 90, 525 East 68th Street, New York, NY 10021.

FELLOWSHIPS

ALEXANDER HOLLANDER DISTINGUISHED POSTDOCTORAL FELLOWSHIP PROGRAM provides research opportunities in the life, biomedical, and environmental sciences. Fellowships are tenable at various U.S. Department of Energy laboratories and university laboratories with programs supportive of the Office of Health and Environmental Research. Stipend is $35,000. A doctoral degree received after 1 April 1987 is required, as is U.S. citizenship or Permanent Resident status. Deadline is 17 January 1989. For application materials contact: Hollander Postdoctoral Fellowships, University Programs Division, Oak Ridge Associated Universities, E.O. Box 217, Oak Ridge, TN 37831-0117. Telephone: 615-576-3190.

FELLOWSHIP IN REPRODUCTIVE GENETICS

The Division of Reproductive Genetics, Department of Obstetrics and Gynecology at The University of Tennessee, Memphis, is offering a 2- or 3-year fellowship in reproductive genetics beginning July 1989. The fellowship program is approved by the American Board of Medical Genetics. Applicants must have completed a residency in obstetrics and gynecology, and eligibility for medical licensure in Tennessee is required. The fellowship is designed to provide a comprehensive experience in clinical genetics (counseling, prenatal diagnosis, amniocentesis, chorionic villus sampling, fetal blood sampling, ultrasonography, dysmorphology, teratology, alpha-fetoprotein screening). The program emphasizes laboratory and research training in molecular genetics, DNA analyses, inborn errors of metabolism, immunogenetics and population genetics. Fellows are actively involved in clinical and laboratory activities. Applicants should send curriculum vitae to: Sherman Elias, M.D., Division, Division of Reproductive Genetics, University of Tennessee, Memphis/University Physicians Foundation, Inc., 835 Jefferson Avenue, Memphis, TN 38163. The University of Tennessee, Memphis/University Physicians Foundation, Inc. is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP available immediately for an individual to work on biochemical aspects of T lymphocyte activation. Ongoing projects include studies of myc and fos oncogene expression, transmembrane Ca$^{2+}$ fluxes, and protein kinase function in T cell subsets of normal and aging mice. Send curriculum vitae, together with names and telephone numbers of three references to: Richard A. Miller, Boston University Medical School, 80 East Concord Street, Boston, MA 02118. Women and members of minority groups are particularly encouraged to apply for this training position.

CLINICAL PHARMACOLOGY POSTDOCTORAL FELLOWSHIP UNIVERSITY OF COLORADO, DENVER, COLORADO

This NIH-supported fellowship is designed to prepare trainees for careers in academic medicine, the pharmaceutical industry, or government, and includes basic and clinical research training and an active clinical consultation program. Eligibility: The program is open to US citizens or permanent US residents with either an M.D. degree (Board-eligible in primary specialty) or a Ph.D. degree in a basic science research or related field. Contact: Alan S. Nies, M.D., Head, Clinical Pharmacology, Box 2237, 4200 East Ninth Avenue, Denver, CO 80262. Telephone: 303-724-8455. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL NUTRITION TRAINING at the University of Pennsylvania Medical Center. Six 1-year appointments available 1 July 1989. NIH-sponsored research traineeships in Cancer and Nutrition and Clinical Fellowships in Nutrition/Oncology (J. Meullen, M.D., Program Director) are awarded on an equal opportunity basis. Research traineeships with core didactic and nutrition research components are available for M.D.’s with 2 years of research experience and for Ph.D.’s. M.D.’s with 3 years of residency training may apply for clinical fellowships with the Hospital of the University of Pennsylvania as residents. Deadline for applications is 1 February 1989. Contact: Irene Feuer, M.S.Ed., Department of Surgery, 4 Silverstein, HUP, 3400 Civic Center Boulevard, Philadelphia, PA 19140. Telephone: 215-662-6156.
"A researcher needed better recovery of Fab fragments from her digested IgG.

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Good ideas have a way of growing.

Today a good new idea—Pulsaphor™ pulsed-field gel (PFG) electrophoresis—has taken root and eliminated the difficulties that separation of large DNA molecules has previously posed. Separation of up to 9 million base pairs, with ultra-high resolution, is now a growing reality.

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Control of the pulse time predetermines the size of molecular separations. Control of the electric field shape increases the resolution by sharpening the separated bands. The result is not only high-resolution separation of large molecules, but also dramatically improved resolution in the separation of smaller DNA fragments.

NEW! The new Pulsaphor Plus Control Unit permits programming of the precise pulse and run times that will produce straight lanes for clear, accurate analysis. And up to 9 separate run procedures can be stored in memory for future separations.

NEW! Choose between two electrode kits, the conventional point electrodes or the new hexagonal kit, for the flexibility to run present and future variations of the PFG method.

Think about it. Nine million base pairs from one basic idea! Contact your nearest Pharmacia LKB representative today and ask about PFG and Pulsaphor Plus. It's a good idea that you can grow with.