Considering Your Next Career Move?

Go West, Scientists!

An Employment Exchange will be held at:

Science Innovation '92:
New Techniques and Instruments in Biomedical Research
Moscone Convention Center, Rooms 100–101

The Employment Exchange is an on-site job referral service for job candidates and employers, providing position posting, résumé referral, a message center, and interview facilities (including private interview booths) during the week of July 21–24, 1992.

EMPLOYER BENEFITS:

▼ Hundreds of top-notch candidates. Access to all résumés cross-referenced by discipline.
▼ On-site interview facilities and scheduling services at no extra charge.
▼ Unlimited position postings.
▼ Special rates for Science Innovation '92 exhibitors, nonprofit organizations, and AAAS Corporate Members.

CANDIDATE BENEFITS:

▼ FREE enrollment for AAAS members who enroll by the advance enrollment date: July 15, 1992. Low $10 fee for nonmembers.
▼ Hundreds of current position openings in a variety of disciplines and experience levels.
▼ On-site interview facilities, including on-the-spot interviews.
▼ Access to full descriptions of all available positions.*
▼ Newly introduced!! EMPLOYMENT EXCHANGE ONLY fee for non-conference attendees: $25 for AAAS members, $50 for Nonmembers. (Fee includes admittance to the Employment Exchange and the Science Innovation '92 Exhibits.)

If you are presently in the job market, a student anticipating graduation in 1992, or if you are an employer with positions to be filled, and wish to take advantage of our efforts on your behalf, contact: Jacquelyn Roberts, AAAS Employment Exchange, 1333 H Street, NW, Washington, DC 20005. Phone: 202-326-6737. Fax: 202-842-1065.

*Applies to candidates attending the meeting. Candidates who are unable to attend the meeting may obtain a copy of posted positions for a $10 additional fee.
SCIENCE

PERSONNEL PLACEMENT

LINE CLASSIFIED ADVERTISEMENTS

- Deadlines: Ads are due by Thursday, 10 a.m., 2 weeks prior to the issue date. Science is published each Friday, except the last Friday of the year. Call for holiday deadlines. Advertisements must be submitted in writing.

- How to Submit a Classified Ad:
  Prepare double-spaced typewritten copy. Do not include any abbreviations. Science will edit and typeset ads according to Science guidelines. Deadline for applications stated in ad must be at least 2 weeks after date of publication. Include billing information, and desired publication date. Available categories: Positions Open, Meetings, Announcements, Courses and Training.

- Mail or FAX materials to:
  Science Classified Advertising
  1333 H Street, N.W., Room 814
  Washington, DC 20005
  Telephone: 202-326-8555
  FAX: 202-682-0816

- Rates: Ads are $42 per line; $420 minimum. One line equals 52 characters and spaces; centered headings equal 32 characters and spaces. A 3% cash discount is granted to all prepaid ads. If you would like Science to give estimated cost, indicate on letter.

- Ads from Outside the U.S.: Prepayment made in U.S. dollars by checks drawn on U.S. banks is required.

- Credit Cards: Science accepts MasterCard and VISA. Discount does not apply to credit cards.

- Cancellations: Deadline for cancellation is 10 a.m., Tuesday, 10 days prior to issue date.

DISPLAY PERSONNEL ADVERTISEMENTS

For rates and information about fractional display ads (all ads ¼ page and larger) and all Marketplace listings, contact: Science Classified Advertising
Deborah Cummings
Telephone: 202-326-6541
Janis Crowley, Recruitment
Advising Manager
Telephone: 212-496-7704
FAX: 202-682-0816

CONDITIONS: Personnel advertising is accepted only with the understanding that the advertisers do not discriminate among applicants on the basis of race, sex, religion, age, color, national origin, handicap or sexual preference. The AAAS encourages employers to actively recruit and employ underrepresented minority groups. Science reserves the right, at its discretion, to decline to publish advertisements submitted to it.

POSITIONS OPEN

The Division of Endocrinology and Metabolism at the UNIVERSITY OF CALIFORNIA, IRVINE (UCI), invites applications and nominations for a tenure-track faculty position at the ASSISTANT PROFESSOR level. Candidates should have expertise in molecular and cellular approaches to study receptors related to the endocrine system. Applicants must have an M.D. or Ph.D. degree, and have a strong record of research accomplishments, with the potential to develop an independent research program. The Division is committed to excellence in endocrinology while providing a fertile environment for interactive research at UCI and affiliated institutions.

Interested applicants should send their curriculum vitae, a statement of research interest, and names and addresses of at least three references to: Dr. Murray Koro, Chief, Division of Endocrinology and Metabolism, Department of Medicine, UCI Medical Center, P.O. Box 14320, Irvine, CA 92613-1491. UCI is an Affirmative Action/Equal Opportunity Employer.

SENIOR STAFF FELLOW (Assistant Professor Equivalents) available immediately at the National Institutes of Health, Bethesda, Maryland to study effects of anticaner drugs on cell cycle regulatory elements, including the cyclin-dependent kinase family and related phosphoproteins. Applicants will require a minimum of a Ph.D. in Biochemistry, Biology, or related field and at least two years of postdoctoral research. A successful candidate with a strong academic record, scholarship, and publication record will be recommended. Salary commensurate with training and experience. Positions available September 1, 1992. Application deadline is August 1, 1992. Please send curriculum vitae to:
Ms. Jovita Banks (✉001)
UIC Eye Center, M/C 648
855 West Taylor
Chicago, IL 60612

The UIC is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

The Department of Ophthalmology and Visual Sciences at the University of Illinois at Chicago (UC) is seeking candidates to fill two (2) tenured track Assistant Professorships in Basic Chemistry. The positions require a minimum of a Ph.D. in Biochemistry, Biology, or related field and at least two years of postdoctoral research. A successful candidate will be recommended. Salary commensurate with training and experience. Positions available September 1, 1992. Application deadline is August 1, 1992. Please send curriculum vitae to:
Ms. Jovita Banks (✉001)
UIC Eye Center, M/C 648
855 West Taylor
Chicago, IL 60612

The UIC is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT/FULL PROFESSOR.

Three or four tenure-track positions are available for individuals or an established group to expand an interdepartmental research program in MOLECULAR AND CELLULAR BIOLOGY. The successful candidate is expected to develop an independent research program and to actively participate in teaching and research. The appointment will be at the Assistant Professor level. Responsibilities include developing new research lines and training graduate students in the areas of molecular biology, biochemistry, molecular genetics, and cellular biology. The position will require a strong research background, demonstrated ability to obtain funding, and an interest in teaching. Application materials must include a curriculum vitae, a statement of research interests, and three references to: Dr. W. L. Lambe, Department of Biology, University of California, Irvine, CA 92717.

POSITIONS OPEN

FACULTY POSITION IN PHARMACOLOGY/DENTISTRY
DARTMOUTH MEDICAL SCHOOL

The Department of Pharmacology and Toxicology is seeking applications for a position at the ASSISTANT PROFESSOR level. Candidates should hold a Ph.D. and have at least 2 years of postdoctoral experience in pharmacology. Preference will be given to individuals with an exciting research program in molecular pharmacology. Applicants should send their curriculum vitae and names of three references. UCI is an Affirmative Action/Equal Opportunity Employer.

EAST TENNESSEE STATE UNIVERSITY

ASSISTANT/ASSOCIATE PROFESSOR in the Department of Microbiology for Ph.D. molecular biologist. Research experience and applications in regulation of gene expression required. Experience strengths: cationic, fungal cell, fungal cell proliferation, fungal genes and microbial pathogenesis. Applicants must apply molecular biology techniques to one or more of these areas. Education and research experience required in appropriate areas of molecular/cellular biology. Applicant will be recommended. UCI is an Affirmative Action/Equal Opportunity Employer.

PHARMACOLOGIST

Fox Chase Cancer Center, a nationally recognized biomedical research facility in Northeast Philadelphia, is currently seeking an individual at the ASSISTANT or ASSOCIATE PROFESSOR level with interest in the pharmacokinetics and pharmacodynamics of anti-cancer drugs. Facility with modeling of individual drug disposition and pharmacodynamic data will be an advantage. Close interaction with clinical and basic researchers will afford the opportunity for growth over broad range of applications. Successful candidate will have supervisory responsibility for the development and analysis of clinical and preclinical samples. The successful candidate will have a central role in the development of new research programs for basic and clinical research for cancer. Interested individuals should forward curriculum vitae with cover letter to: Dr. Peter O'Dwyer, Chief, Pharmaceutical Sciences, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. We are an Equal Opportunity Employer.

As an Assistant Professor/Associate Professor position in Gynecological Surgical Pathology/Cytopathology exists in the Department of Pathology, Magee-Womens Hospital, University of Pittsburgh School of Medicine. Magee-Womens Hospital is one of the largest academic women's health care facilities in the country. The Department of Pathology is part of expanding oncology, research, and residency programs for women including a Comprehensive Breast Care Program and a new Research Institute. Opportunities exist for close collaboration with basic scientists in oncology, gynecology, and pathology. Faculty are expected to develop an independent research career in gynecological Pathology or Reproductive Biology. Applicants should be addressed to: Dr. Mary Macnab, M.D., Chief of Pathology, Magee-Womens Hospital, 300 Halket Street, Pittsburgh, PA 15213.

The University of Pittsburgh is an Equal Opportunity Employer.
POST DOCTORAL FELLOWSHIPS IN AGING RESEARCH

The University of Missouri-Kansas City (UMKC), the University of Kansas (KU) and Marion Merrell Dow Foundation have established a Scientific Education Partnership dedicated to developing a regional center of excellence in modern biological and biomedical research related to diseases and treatment of the aging population.

A key element of the Partnership continues to be the awarding of Post Doctoral Fellowships in the following areas of basic research:

- Molecular immunobiology
- Protein structure and function
- Neuroscience
- Molecular genetics
- Molecular pharmacology
- Developmental molecular biology

Research activities may be conducted in the laboratories of university mentors at either UMKC or KU.

Appointments will be for 2 years at a stipend of $30,000 (year 1) and $35,000 (year 2), less fringe benefits costs.

For further information, individuals with background and interest in these areas of basic science should write or fax (816-966-4400):

Anthony J. Hancock, PhD
Director, Scientific Partnerships
Marion Merrell Dow Inc.
P.O. Box 8480
Kansas City, MO 64114-0480

Inquiry for information should be received no later than September 15, 1992. Deadline for completion of application is February 1, 1993.

MARION MERRELL DOW FOUNDATION
THE UNIVERSITY OF KANSAS
UNIVERSITY OF MISSOURI-KANSAS CITY

Without you, this would be impossible to swallow.

In fact, without people like you many of today's most innovative drugs might not even reach the market. It takes real insight, confidence and persistence to monitor the drug development process...to get these important pharmaceuticals to the people who need them most. That's why your strengths are so important to our business.

DRUG DELIVERY SCIENTIST - PHYSIOLOGIST/BIOCHEMIST

You will carry out in vivo studies aimed at understanding and optimizing the delivery of new drug candidates to the systemic circulation via the oral, nasal, intramuscular, and sub-cutaneous routes. Also, support the development of drug candidates which have challenging absorption problems, and carry out research aimed at enhancing delivery of drugs via various routes. As an active member of an interdisciplinary team, you will participate in efforts to improve the absorption of current drug candidates and to discover new chemical entities which have superior drug delivery characteristics.

In addition to a PhD in physiology, biochemistry, pharmacetics or the equivalent, you should have an interest in drug delivery problems. A background in gastrointestinal physiology, biopharmaceutics, or quantitative biology helpful.

This position offers a superb professional environment in an attractive southeastern Connecticut shore area, complemented by a competitive salary/benefit/relocation package. For confidential consideration, please send resume with salary history to: Lorraine C. Corr, Supervisor, Employee Resources, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340. An equal opportunity employer.
ASSOCIATE DIRECTOR

Biological Process Sciences

SmithKline Beecham Pharmaceuticals, a world leader in pharmaceutical research, seeks a distinguished Process Development Scientist to lead the Bioanalytical Development and Protein Purification Scale-Up Groups in the Biological Process Sciences Department in Biopharmaceutical R&D. The Associate Director will provide managerial direction and scientific oversight to a group of 18 experienced and accomplished professionals responsible for developing the purification technologies for protein agents derived from recombinant mammalian and microbial cells.

The successful candidate will have a Ph.D. in Protein Biochemistry, Biochemical Engineering, or other related field, with a minimum of 10 years experience beyond the Ph.D., (at least 5 years experience in an industrial R&D position) a significant record of achievement in the purification of protein products at pilot plant or manufacturing scales, familiarity with modern analytical methods for the assay and characterization of proteins, extensive experience with process validation and current Good Manufacturing Practices, highly developed scientific managerial skills involving staff at all levels of scientific training, and superior oral and written communication skills.

Our state-of-the-art research facility is located in suburban Philadelphia near Valley Forge, PA. We offer a comprehensive compensation/benefits/relocation package, as well as a stimulating work environment in which to grow and excel. For confidential consideration, please send your resume, along with three references, to: Marilyn Leggieri, #L0134, Associate Employment Administrator, SmithKline Beecham Pharmaceuticals, P.O. Box 1638, King of Prussia, PA 19408-0838. We are an Equal Opportunity Employer, M/F/H/V.

SmithKline Beecham Pharmaceuticals

Inflammation Pharmacology
Research Scientist

Discover the value of your innovative ideas.

Constant innovation is a crucial element in pharmaceutical advancement, and a significant commitment at CIBA-GEIGY. In fact, our Pharmaceuticals Division is currently completing a new 440,000 square foot state-of-the-art Life Sciences facility within our suburban Summit, New Jersey research complex. Here, you'll find every opportunity to bring your innovative ideas to life.

Working alongside some of the most talented scientists in the field, the selected candidate will develop novel approaches to the discovery of therapies for effectively treating arthritis and inflammatory diseases.

To qualify, candidates must have a PhD in Biochemistry, Cell Biology or Immunology and 2-5 years' postdoctoral experience. Familiarity with molecular biology techniques and supervisory skills are desirable.

CIBA-GEIGY offers a competitive salary, comprehensive benefits and an environment conducive to professional achievement. Please forward resume with salary requirements, in confidence, to: Staffing Center, Box 340358, CIBA-GEIGY Corporation, Pharmaceuticals Division, 556 Morris Avenue, Summit, New Jersey 07901. We Are An Equal Opportunity Employer M/F/H/V.

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Simply write us a letter stating the specifics about your proposed lab and the instruments and supplies you need. We will do the rest.

Write to:

SCIENCE Magazine
New Lab Service Department
1333 H Street, N.W., Rm 830
Washington, DC 20005
The USDA Forest Service will be seeking applicants for the position of Staff Assistant to provide leadership and coordination of national programs in fisheries, wildlife, and rangeland research. The incumbent assists in formulating policies related to fisheries, wildlife, and range land resources, develops research programs, negotiates budgets, and represents and coordinates research programs of eight national experiment stations. The Staff Assistant coordinates Forest Service research programs with other public agencies and private institutions and consults with land management agencies on the application of research results. Major areas of emphasis for Forest Service fisheries, wildlife, and rangeland research include threatened, endangered, and sensitive species; biodiversity; habitat selection; monitoring; the ecology of sensitive ecosystems; and big game animals. Duties may represent a variety of professional backgrounds including wildlife biology/ecology, fisheries biology, rangeland ecology, or plant ecology. Experience in conducting research and managing research programs is preferred. The position is located at the Forest Service Headquarters in Washington, DC, and frequent travel is required.

For additional information contact Michael R. Lennartz, Forest Environment Research, USDA, Forest Service, 14th and Independence SW, Washington, DC 20250 (202-205-1524). To receive a copy of the vacancy announcement along with application materials please call 202-205-1524.

The Forest Service is an Affirmative Action/Equal Opportunity Employer. Cultural diversity in the workplace is welcomed, and women, members of minority groups, and people with disabilities are encouraged to apply.

Two tenable positions, full-time, general funds, to begin September 1992. ASSISTANT or ASSOCIATE ENVIRONMENTAL BIOCHEMIST, #83177. Duties: Develop a research program in environmental biochemistry with emphasis on mechanisms of actions of environmental pollutants. Develop an upper division/graduate course in the field of environmental biochemistry. Minimum Qualifications: For R3, Ph.D. in biochemistry, toxicology or related discipline with publications relevant to duties. For R4, four years at Assistant level at a major university or research institute. Desirable: Postdoctoral and teaching experience, research supported by extramural funding. (2) ASSISTANT or ASSOCIATE PESTICIDE CHEMIST, R3 or R4. #83034. Duties: Develop a research program related to the metabolism, degradation, persistence and analysis of pesticides in the Hawaiian environment. Direct the Pesticide Residue Research Laboratory which supports registration of new agrochemicals for Hawaii. Direct QA/QC activities. Teach an upper division/graduate course on pesticide residue analysis or environmental chemistry. Minimum Qualifications: For R3, Ph.D. in analytical chemistry or environmental chemistry/toxicology or related discipline with publications relevant to duties. For R4, four years at Assistant level at a major university or research institute. Desirable: Postdoctoral and teaching experience, experience in residue analysis, method development, mass spectrometry, laboratory supervision under GMP, pesticide regulation. Salary Range for R3: $40,524 to $59,976 per annum; for R4 $51,264 to $72,011 per annum. Specific position sought and send a letter of application, c.v., names and addresses/phone/FAX of three referees to: Search Committee, Department of Environmental Biochemistry, College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa, 1800 East-West Road, Henke Hall 329, Honolulu, Hawaii 96822. Closing date: July 29, 1992. EEO/AA.

Research Scientist/Ph.D. Biological Development

Wyeth-Ayerst Laboratories, a major division of Fortune 100 American Home Products Corporation, is a leading multinational ethical pharmaceutical, vaccine and nutritional manufacturer. Currently, we have an exceptional opportunity in our Biological Development Subdivision at our Marietta, Pennsylvania facility.

As Research Scientist, you will design, execute and document validation studies of biological manufacturing facilities, equipment and processes. You will have overall responsibility for coordinating, monitoring and providing technical support pertaining to scale-up and transfer of biological manufacturing technology. This will include troubleshooting production, testing and process development problems and improving production procedures. In addition, you will assist in the overall management of the current and planned Biological Development Subdivision.

Candidates must have a Ph.D. in microbiology or a related biological science and a minimum of three years experience in the pharmaceutical industry. Knowledge of pharmaceutical validation principles, understanding of biological manufacturing processes including mammalian cell culture technology and familiarity with GMPs and FDA regulations applicable to biologicals is required. Prior experience in a biological manufacturing, validation or development operation preferred.

We offer a competitive salary and an excellent benefits package. Qualified candidates should submit a resume, including salary requirements to: Personnel Section, Wyeth-Ayerst Laboratories, ATTN: RES.SC., P.O. Box 304, Marietta, PA 17547. Equal Opportunity Employer, M/F/D/V responses encouraged.
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computer skills, and promotional skills, and for treatment to institutional priorities will also be considered. Direction currently has 17 faculty (10 full-time), active Ph.D. and postdoctoral training programs, and received research support of $2 million dollars per year over the past five years. Selection of candidates for interview will begin 31 July 1992, and continue until the position is filled. Send applications and three references (names and addresses of three references) to: Dr. Kenneth L. Barker, Chairman, Biochemistry and Molecular Biology Chair Search Committee, Texas Tech University, Health Sciences Center, HSC Room 2B106, Lubbock, TX 79430. Telephone: 806-743-2556; FAX: 806-743-2656.

UNIVERSITY OF SOUTHERN CALIFORNIA SCHOOL OF MEDICINE CHAIR OF DEPARTMENT OF IMMUNOLOGY
The University of Southern California School of Medicine is seeking to fill the position of Chair of the newly established Department of Cell and Neurobiology. This position is a focus of the planned multidisciplinary Institute for Molecular Medicine. The successful candidate will have opportunities to develop an outstanding neurosciences program, which complements the existing resources in neuroscience. Prior responsibilities included for the neurosciences initiative is planned. The Chair will be responsible for the recruitment of faculty in the disciplines of cell and neurobiology, for coordinating the teaching and research activities of the new institute, and for increasing the program with other departments. Candidates should have vigorous scientific leadership in cell and neurobiology, including experience in research, teaching, and administration. Candidates should also have a track record in training outstanding students as well as proven ability to counsel young scholars. Applicants must have held an M.D. degree and/or Ph.D. degree and at least five years of laboratory experience. A demonstrated interest in research and teaching. Responsibilities include teaching, establishment of an independent research program and laboratory. Directors of the Department of Pharmacology, University of Rochester, 601 Elmwood Avenue, Rochester, NY 14642. Review of applications will begin on 1 July 1992 and will continue until the position is filled. Affirmative Action/EQUAL OPPORTUNITY EMPLOYER.

DIRECTOR OF DIAGNOSTIC IMMUNOLOGY
The Department of Pathology and Laboratory Medicine is seeking a Director of the Diagnostic Immunology Laboratory. This is a full service laboratory which conducts assays in protein chemistry, auto-immune and infectious disease serology, tumor markers, and other non-subject assays. The Director is expected to work with the medical staff to develop new assays and diagnostic programs to serve a developing and sophisticated patient care environment. In addition, the Director is responsible for the teaching of pathology residents, fellows and students. Finally, the successful candidate will be expected to participate in ongoing research projects and to develop an independent scholarly program in the area of diagnostic immunology. The minimum requirements are a Ph.D. degree and experience in diagnostic immunology. Superior experience in a diagnostic laboratory is highly desirable. Please send your curriculum vitae plus names of four professional references to: Kenneth W. Sell, M.D., Ph.D., Professor and Chairman, Department of Pathology, Room 703 Woodruff Memorial Building, Emory University, Atlanta, GA 30322. Emory University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

DIRECTOR/PHARMACEUTICAL SCIENCES to direct all aspects of dosage form, drug delivery and clinical pharmacology to the university's clinical and research entities and line extension developments worldwide, specifically in areas of parenteral, nasal, oral and pulmonary drug delivery. Experience in research, clinical and financial management and management within intracompany R&D collaborations. Integrate and coordinate all aspects of international research and development including responsibility for the development of formulation, technology (including database), process, budget, personnel and interface with worldwide drug regulatory agencies. Ph.D. in Pharmaceutical Sciences plus 3 years in job or 3 years of experience as Manager/Pharmaceutical Development required. Previous experience must include 3 years of hands-on experience directing all aspects (including research, financial management, and management within intracompany R&D collaborations) of international drug dosage development operations supporting new chemical entities and line extension developments worldwide, specifically in areas of oral, parenteral, nasal, pulmonary dosage development and interface with worldwide drug regulatory agencies. Forty hours per week. Monday to Friday 8:30 a.m. to 4:30 p.m. Salary: $98,900 per year. Send resumes to: Judy Owens, 1137, Rhone-Poulenc Rorer Central Research, 500 Arcola Road, Collegeville, PA 19426. Equal Opportunity Employer.

TEAM LEADER/FLOW CYTOMETRY
We are seeking a person who will direct an aggressive research group in a cutting-edge field of particular national importance. Requires a Ph.D. with at least 5 years of experience in flow cytometry and flow sorting. Expertise in cell immunology and/or human genetics is particularly desirable. Prior management experience is also required. Please send full curriculum vitae to: Box 22, SCIENCE, 1333 H Street, NW, Suite 814, Washington, DC 20005.

CHAIR, BIOCHEMISTRY AND MOLECULAR BIOLOGY
Salary: $90,000; $100,000; $110,000; $120,000 will be considered for Chair of Department of Biochemistry and Molecular Biology in School of Medicine. Candidates must: (1) hold Ph.D. or M.D. degree with training/experience in biochemistry, molecular biology or related areas, (2) be principal investigator of active grant supported research program, and (3) qualify for appointment as Professor in this Department. Connine has some experience in NIH study sections, in teaching and research in a medical school environment, and in academic administration. Demonstrated teaching, research, and skills, and interest to institutional priorities will also be considered. Director currently has 17 faculty (10 full-time), active Ph.D. and postdoctoral training programs, and received research support of $2 million dollars per year over the past five years. Selection of candidates for interview will begin 31 July 1992, and continue until the position is filled. Send applications and three references (names and addresses of three references) to: Dr. Kenneth L. Barker, Chairman, Biochemistry and Molecular Biology Chair Search Committee, Texas Tech University, Health Sciences Center, HSC Room 2B106, Lubbock, TX 79430. Telephone: 806-743-2556; FAX: 806-743-2656.

UNIVERSITY OF SOUTHERN CALIFORNIA
SCHOOL OF MEDICINE
CHAIR OF DEPARTMENT OF IMMUNOLOGY
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FACULTY POSITION IN ACADEMIC CLINICAL BIOCHEMISTRY. The Department of Clinical Biochemistry, Hadassah Hospital and Hadassah-Hebrew University Medical School is seeking an academic biochemist with experience in clinical biochemistry for a full time faculty position. The candidate should have an M.D. and/or Ph.D. degree and at least five years of experience in academic biochemistry. The candidate is expected to participate in research and teaching. Responsibilities include teaching, establishment of an independent research program and laboratory. The University is an Equal Opportunity Employer.

NEUROANATOMIST/EXPERIMENTAL NEUROPATHOLOGIST. Outstanding independent RESEARCH FACULTY POSITION in the Department of Psychiatry at the renowned Mount Sinai School of Medicine. Experience with modern neuroanatomical techniques is a must. Experience with psychiatric disorders is preferred. A sophisticated morphometry facility and other laboratory equipment are provided. Excellent salary and benefits. Please send curriculum vitae, a brief outline of research plans, and names of at least three references, in confidence, to: Dr. Kenneth L. Davis, Chairman, Department of Psychiatry, Box 12030, The Mount Sinai Medical Center, One Gustave L. Levy Place, New York, NY 10029-6574. An Equal Opportunity Employer.

POSTDOCTORAL POSITION in immunology to study mechanisms that control T cell development and function, T cell repertoire selection, and cellular signals which determine cell fate. Emphasis on comparative studies of B and T cells. Experience in molecular biology, biochemistry, and immunology desirable. Starting date negotiable. Send curriculum vitae to: Dr. A. Augustin, Division of Basic Immunology, National Jewish Center for Immunology and Respiratory Medicine, 1400 Jackson Street, Denver, CO 80206.

POSTDOCTORAL POSITION
Postdoctoral Position(s): One or two positions will be available in the Fall of 1992 to study the roles of the nuclear factor kappa B (NF-κB) and the tumor necrosis factor (TNF) receptor in signal transduction. Major emphasis will be placed on expressing the subunits using the baculovirus/Sf9 cell system and reconstituting G proteins of defined subunit composition with receptors and effectors. A strong background in protein chemistry/molecular biology and an interest in hormone action are desired. Please send curriculum vitae including the names of the three references to: Dr. James C. Garrison, Department of Pharmacology, Box 448, University of Virginia Medical Center, Charlottesville, VA 22908.

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CANCER PREVENTION FELLOWSHIP PROGRAM

The Division of Cancer Prevention and Control (DCPC) is accepting applications for the Cancer Prevention Fellowship Program (CPF P). The purpose of this program is to train individuals from a multiplicity of health science disciplines in the field of cancer prevention and control. The program provides for: Master of Public Health training (at accredited universities); Participation in the DCPC Cancer Prevention and Control Academic Summer Course; Working at NCI directly with individual preceptors on cancer prevention and control projects; Field assignments in cancer prevention and control programs at other institutions. Funding permitting, as many as ten Fellows will be accepted for up to three years of training, beginning July 1, 1993. Benefits include selected relocation and travel expenses, paid federal holidays, and participatory health insurance.

ELIGIBILITY

M.D. or D.D.S. from a U.S., territorial, or Canadian Medical School. Foreign medical graduates must have current ECFMG/FMGEMS certification and appropriate experience, e.g., one year residency in a training program approved by the Accreditation Council for Graduate Medical Education.

OR

Ph.D., Dr. P.H. or other doctoral degree in a related discipline (epidemiology, biostatistics, and the biomedical, nutritional, public health or behavioral sciences). Foreign education must be comparable to that received in accredited U.S., territorial, or Canadian institutions.

PLUS

U.S. citizenship or resident alien eligible for citizenship within four years.

For details and application catalog, send a postcard or letter with your name and home address to:

Douglas L. Weed, M.D., M.P.H., Ph.D.
Director
Cancer Prevention Fellowship Program
Division of Cancer Prevention and Control
Deadline for Receipt of Applications:
September 1, 1992

Further Inquiries: Mrs. Barbara Redding, (301) 496-8640

NATIONAL CANCER INSTITUTE

Executive Plaza South, T-41, Bethesda, MD 20892

NIH is an Equal Opportunity Employer

CHAIRMAN
Department of Pediatrics
The University of Chicago

The Division of the Biological Sciences, which includes The Pritzker School of Medicine, at The University of Chicago is soliciting nominations and applications for the position of Chairman of the Department of Pediatrics. This is a multidisciplinary department with approximately 100 full-time faculty in the fields of Cardiology, Endocrinology, Emergency Pediatrics, Gastroenterology, Genetics, Hematology/Oncology, Infectious Disease, Neonatology, Pulmonary, and Rheumatology as well as others. The Chairman reports to the Dean of the Division, and is responsible for providing academic and administrative leadership in research programs, clinical activities, and the teaching of undergraduate, graduate, post graduate and medical students, as well as interns and residents. The successful applicant will be a nationally recognized Pediatrician with a significant research background, an outstanding record of scientific accomplishment and demonstrated teaching and administrative abilities that will qualify him/her for the rank of Professor. Please send curriculum vitae by October 1, 1992 to:

Dr. Thomas Brasitus
Chair, Pediatric Search Committee
5841 S. Maryland Avenue, MC 4076
Chicago, IL 60637

THE UNIVERSITY OF CHICAGO

An Affirmative Action Equal Opportunity Employer

Nucleic Acid Chemist/Manager—Japan

Cruachem is a rapidly expanding biotechnology company, specializing in the development, manufacture and sale of instruments and reagents for DNA/RNA synthesis. We have established an excellent reputation for supplying high quality products with fast, attentive customer service.

We are now seeking to establish an operation in Kyoto, Japan with a view to providing a base for technology transfer with Universities in Japan, small scale manufacturing, and technical support for our Japanese distributor and customers.

The successful candidate will be responsible for the day to day management of this operation including technical support and administration. This position will allow excellent scope for development and advancement within the Company.

Candidates should possess a PhD or MSc in Chemistry and be working in Nucleic Acid Chemistry.

Salary and benefits are negotiable, commensurate with experience. Location will be in Kyoto, Japan.

Please apply in writing, giving full details of your career to date together with summary of relevant experience to:

Ian Wilkie or Joseph Hall
Chief Executive
Cruachem Holdings Ltd
President
Todd Campus
Cruachem Inc
West of Scotland Science Park
45150 Business Court
Aber Road
Suite 550
GLASGOW G20 0UA
STERLING
Scotland
VA 22170
USA
The International Institute of Entomology (IIE) is an Institute of CAB International, an intergovernmental organisation that provides information and scientific services for agriculture and the environment throughout the world.

The Institute is a major international reference centre providing identification, information, research, training and other entomological taxonomic services in support of world agriculture, horticulture, forestry and related disciplines. IIE is located at 56 Queen's Gate, London SW7, UK but a team of taxonomists and support staff is at present maintained at the Natural History Museum, London.

The vacancy of Director arises due to the retirement of Dr Keith Harris, in late 1992. Candidates will be expected to have an international reputation for research in entomology, with special interest in insect biometrics related to pest management. They should have experience of managing scientific research, developing research opportunities and have a proven ability to win research grants. A knowledge of the workings of funding agencies would be an advantage as would experience of pest management, especially in tropical climates.

The Institute is currently undergoing a major internal review which could lead to significant changes in its remit and activities. A person of both vision and practical managerial ability is sought to guide the institute through a period of change. Applications from candidates seeking secondments from their current employers would therefore be particularly welcome. The appointment would be for a period of from two to five years, with a possibility of renewal.

The appointment will attract a salary in the region of UK £35,000 per annum plus a London Weighting Allowance of £2,500 per annum, along with a generous pension scheme. Limited assistance with relocation costs will also be available. CAB staff are not subject to UK immigration restrictions.

Further particulars, including a full job description, are available on request.

Applications in the form of a full resume with a covering letter and the names of three referees should be submitted to:
Andrew Harris, Personnel Department, CAB International, Wallingford, Oxfordshire, OX10 8DE, United Kingdom. Fax +(0491) 35508, no later than 31 August 1992.

This is a re-advertisement. Previous applicants will automatically be considered.

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Assistant Research Scientists

Two post-doctoral positions are immediately available in our Department of Cell Biology.

One project investigates the nature of peptide epitopes expressed by bacterial pathogens which can elicit T cell immune response. The goals of this project are to purify T cell reactive peptides and to derive cDNA clones encoding those epitopes. Preparation of anti-pathogen vaccine by several means will be attempted. Experience in preparation and use of murine T cells is required.

The second project investigates the nature of autoantigens expressed in rodent models of diabetes. The goals of this project are to create immortal pancreatic beta cells and to purify autoantigens using T cells derived from diabetic rodents. Experience in eukaryotic tissue culture is required, with specific experience in eukaryotic tissue culture of primary cells helpful.

Please send C.V. to Ms. Singh, Human Resources Dept., NYU Medical Center, 550 First Avenue, New York, NY 10016. Or call (212) 263-6659. EOE M/F.

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Worcester Foundation for Experimental Biology

FACULTY POSITIONS
CELL BIOLOGY, NEUROBIOLOGY & REPRODUCTIVE BIOLOGY

Positions are available at the Worcester Foundation for Experimental Biology at both junior and senior faculty levels. We are seeking investigators whose expertise will fortify or complement our existing strengths. The areas in which we seek applicants include:

- Tumor Suppressor Genes/Oncogenes
- Cell Cycle/Growth Control
- Cell Motility
- Gene Expression
- Development/Differentiation
- Cell-Cell Interactions
- Receptors/Signal Transduction
- The Synapse/Ion Channels

We are particularly interested in individuals employing molecular and genetic approaches, although overall scientific excellence and promise will be the primary criteria.

Faculty appointments at the Worcester Foundation carry institute-backed salary guarantees and liberal start-up packages for personnel, equipment and operating costs. One or more of these appointments may include membership in the Foundation's NCI-designated Cancer Center.

Submit a detailed C.V., a one- to two-page summary of current and near-term research, and the names of at least three scientists who have a knowledgeable opinion of your research. We intend to fill the first of these positions in early 1993.

Send your application to: Faculty Search Committee, c/o Personnel Office, Worcester Foundation for Experimental Biology, 222 Maple Ave., Shrewsbury, Massachusetts 01545.

An Affirmative Action/Equal Opportunity Employer M/F/H
The British Heart Foundation has awarded three year funding for this collaborative venture between our research groups. We will focus on the recently discovered involvement of cyclosporin A binding proteins in cell injury. The successful applicant will apply microfluorimetric techniques for the measurement of [Ca$^{2+}$], and mitochondrial inner membrane potential in single cells. The project will also involve photoaffinity labelling of cyclosporin A binding proteins and the use of novel inhibitors of mitochondrial Ca$^{2+}$ transport to be synthesized and screened in subcellular fractions and patch clamped cells. Starting salary on the RAJA scale to £14,359 p.a. plus £2,042 London Weighting. Informal enquiries to Dr. Martin Crompton (tel. 071 387 7050 ext. 2207) or Dr. Michael Duchen (ext. 3207). Applications with CV naming two referees to Dr. M. Crompton, Department of Biochemistry and Molecular Biology, University College London, Gower Street, London WC1E 6BT. Equal Opportunities Employer.

ILLINOIS MATHEMATICS AND SCIENCE ACADEMY

A Pioneering Educational Community

The Academy is a three-year, public, residential school for Illinois students highly gifted in mathematics and science. The student body totals 650 students. First year students enter having completed the equivalent of the ninth grade and engage in a comprehensive, challenging and rigorous curriculum that is concept-centered and outcome-based. Teaching is defined as "facilitating discovery through interconnecting", with new models of student achievement and success serving as the criteria for outcome-based assessment. Faculty members are expected to be exemplary educators in their discipline and instructional skills, committed to interdisciplinary approaches, and innovative in pedagogical practices assuring student learning and success. A minimum of a Masters degree is required for members of the faculty.

Faculty

Chemistry–Applicants must be able to teach college level chemistry. Concept-centered courses emphasize active student learning, focus on activities requiring experimentation, demonstrations, and problem-solving. Experience in writing curriculum is beneficial. Applications available from:

Illinois Mathematics and Science Academy
Personnel Office
1500 West Sullivan Road
Aurora, Illinois 60506

"An Equal Opportunity Employer"

National Institutes of Health
Public Health Service
Department of Health and Human Services

DIRECTOR

National Center for Human Genome Research

The National Institutes of Health (NIH) invites nominations and applications for the position of Director of the National Center for Human Genome Research (NCHGR). This is a Civil Service position in the Senior Executive Service (SES), with a salary range of $90,000 to $122,100 per annum. The person selected may also be eligible for Physician's Comparability Allowance of up to $20,000 per year. A recruitment bonus of up to 25 percent of base pay may be available to a non-federal candidate selected for this position, subject to individual approval. A relocation bonus of up to 25 percent may be available to a permanent federal employee who must relocate to accept this position, subject to individual approval. A one year probationary period must be served if the individual selected is not currently in the Senior Executive Service. Members of the Commissioned Corps of the U.S. Public Health Service will be considered.

The Director administers, manages and oversees the human genome program for the NIH. S/he is the principal advisor to the Director, NIH, on the substance, quality and effectiveness of NIH human genome programs and research policies. The Director is responsible for strategic planning and identifying major areas of human genome research. Incumbent serves as a liaison on human genome research programs with the media, special interest groups, high-ranking scientific and executive officials in other Public Health Service agencies, the DHHS, other Federal agencies, the academic and private sector, and with members of or staff to the Congress. Opportunities to supervise an intramural program are available.

For more information, contact Mary Glynn at (301) 402-1094. The following forms are required: Application for Federal Employment (SF-171) accompanied by a current curriculum vitae and bibliography. These must be submitted to:

Mary Glynn
National Institutes of Health
National Center for Human Genome Research
Building 38A, Room 616
9000 Rockville Pike
Bethesda, Maryland 20892

Vacancy extended to: July 13, 1992

All qualified candidates will receive consideration without regard to race, religion, color, sex, age, national origin, lawful political affiliation, marital status, or physical or mental disability.
LABORATORY AND FIELD AUTOMATION

Pioneer Hi-Bred International Inc., a Fortune 500 company and the world's largest developer, producer, and marketer of agricultural seeds, has immediate openings in the Plant Breeding Division Data Management Group in the area of laboratory and field automation. Pioneer is an equal opportunity employer providing a competitive salary, excellent benefits and facilities, plus a cooperative work environment.

LAB AUTOMATION MANAGER

The successful applicant will be part of a lab automation team responsible for the development of automation projects to support lab research activities in the Biotechnology and Research Specialists departments. Automation projects may range from computer-assisted data acquisition, instrument interfacing, image analysis, and software evaluation, to the design, development and implementation of robotic systems. The manager will set the overall direction for the lab automation effort, initiate projects, and engage in the development of new technologies to enhance laboratory research. Requires Ph.D. in biology, biosystems engineering or closely allied biological/agricultural science with experience in instrumentation, automation, and computer technology in a lab research environment.

FIELD AUTOMATION SPECIALIST

The successful applicant will be part of a field automation team responsible for the development of automation projects and support of equipment to enhance the data collection of plant breeding field research scientists. Automation projects include computer assisted data acquisition, instrument interfacing, barcoding, moisture detection, and development of harvest systems. The specialist will provide front line support for field automation hardware and software, assist in the development of projects, and work closely with end users to insure needs are met. Position requires a B.S. in biological sciences, agricultural engineering, electronics or mechanical engineering with experience in instrumentation, automation, and computer technology.

Send resume to:
Pioneer Hi-Bred International, Inc.
Plant Breeding Division
Dept. of Data Management,
Attn: Kriety McKenna
7250 N.W. 62 Ave., P.O. Box 1004
Johnston, IA 50131

The Division of AIDS
National Institute of Allergy and Infectious Diseases
National Institutes of Health
has an immediate opening for

CHIEF
Vaccine Research and Development Branch

The Office of the Associate Director, Basic Research & Development Program, Division of AIDS, invites applications for the position of Chief, Vaccine Research and Development Branch. The incumbent is responsible for a broad range of scientific, managerial, and supervisory activities encompassing internal affairs and inter-organizational relationships of the Institute in stimulating, developing, operating, and coordinating a national program for the development of vaccines for the prevention of AIDS. The optimal applicant will possess an M.D. or Ph.D. degree, with a comprehensive understanding of issues surrounding vaccine research and development and a current in-depth knowledge of AIDS vaccine research, development, and evaluation efforts. Salary will be commensurate with experience. Interested individuals should send curriculum vitae or an Application for Federal Employment (SF-171) by August 5, 1992 to:

Dr. Margaret Johnston, Associate Director
Basic Research & Development Program
Division of AIDS
NIAID/NIH - Solar Building
6003 Executive Boulevard
Bethesda, Maryland 20892 U.S.A.
Telephone: (301) 480-6037
FAX: (301) 480-321

U.S. Citizenship Required
NIH is an Equal Opportunity Employer
Senior Scientist

Oread Laboratories, Inc., a growing pharmaceutical research development company, is seeking a Senior Scientist in our Drug Evaluation Studies Unit. This lab-based position will direct ADME and pharmacokinetic studies using radiolabelled or unlabelled compounds in animals. This position will perform data evaluation, report preparation, & supervise a team of technical staff.

Requirements include: Ph.D in Pharmacology, Pharmacokinetics, Pharmaceutical Chemistry, or related field. Also required is 1–5 years experience in field with a working knowledge of pharmacokinetics. Experience with beta/ gamma counters, minimal computer skills and ability to work independently also required.

 Desired qualities: Minimum 6 months in supervisory capacity. Tissue combustion, HPLC, and TLC experience. Experience with small animal surgeries also desired.

Lawrence residents enjoy the conveniences of city living, but also benefit from the character of small town living. The reputation for the University of Kansas, located 1 mile east of Oread, speaks for itself. Lawrence is one of the fastest growing small cities in the country and is located 25 miles east of Kansas capitol, Topeka, and 40 miles west of metropolitan Kansas City.

Resumes only: Human Resources-DES, Oread Laboratories, Inc., 1501 Wakarusa Dr., Lawrence, KS 66047. Deadline: July 17th. AA/EOE.

NIH RESEARCH FELLOWSHIP POSITION

An NIH Intramural Fellowship (Intramural Research Training Award/Visiting Fellow) is immediately available for a vascular cell biologist with Ph.D., M.D., or M.D./Ph.D. degrees at the National Institute on Aging, National Institutes of Health. The scope of the research entails studies of vascular smooth muscle and endothelial cell differentiation, synthesis and remodelling of extracellular matrix proteins, and the elaboration of factors which govern growth and regulation of these constituents during aging and following mechanical injury to the blood vessel wall. Candidates with experience in basic cytochemical techniques, autoradiography, immunohistochemistry, in situ hybridization and electron microscopy will be given preference. Salary is commensurate with experience. The position affords a unique opportunity to interact with a team of scientists in various disciplines (including molecular and cellular biology, physiology, biochemistry, and biophysics) with a commitment to the investigation of vascular disorders and aging.

Applicants should submit an application letter specifying their research interests, curriculum vitae and three letters of recommendation to:

Dr. Edward Lakatta, Chief
Laboratory of Cardiovascular Science
Gerontology Research Center
National Institute on Aging
4940 Eastern Avenue
Baltimore, MD 21224

Inquiries accepted by FAX: (410) 558-8150.

NIH is an Equal Opportunity Employer

CANCER CENTER DIRECTOR

The University of Vermont seeks a Director for the Vermont Cancer Center, an NCi-designated Comprehensive Cancer Center. Candidates with either basic science or clinical orientations will be considered. The Center is searching for a leader with a strong record of research achievement and administrative experience in cancer-related areas. The Director will be expected to have a strong commitment to the development of clinical services and the delivery of patient care; to determine program goals and directions for the teaching and research that take place under the auspices of the Cancer Center; to work with other administrative officers of the University to ensure the integration and continuity of these activities; to direct the preparation of funding applications including the institution's Cancer Center Support Grant; and to participate with the Cancer Center staff in programs relating to prevention, screening, and outreach to the rural Vermont population. The existing strengths of the Center include the Drug Development Program, Genetic Toxicology Program, Growth Control/Signal Transduction Program, Clinical Research Program, and the Cancer Control Research Program. Developing strengths include the Immunobiology Program and the DNA Damage and Repair Program. The Director will hold a tenure-track academic appointment in the appropriate department of the Medical College. The Director reports directly to the Dean of the Medical College and has status equal to that of Department Chair. UVM is an Affirmative Action/Equal Opportunity Employer. Applications from women and people from diverse racial, ethnic and cultural backgrounds are encouraged. Letters of application should include a curriculum vitae with a summary of relevant research, clinical, and administrative experience, and the names of at least three references. Applications will be accepted until the position is filled. Please send letters of application to Susan S. Wallace, Ph.D., Chairperson VCC Director Search Committee, Department of Microbiology and Molecular Genetics, The University of Vermont, B202 Given Building, Burlington, Vermont 05477 (802) 656-2164.

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POSTDOCTORAL ASSOCIATE

A postdoctoral position is available to study early development in Xenopus laevis. Possible projects include the analysis of transcription factors and factors as developmentally regulated protein localization. Please submit resume including names, addresses, and telephone numbers of three references to: Dr. Leslie Parlee, Department of Pharmacology, CB# 7365, University of North Carolina, Chapel Hill, NC 27599. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately to conduct research in the general area of cancer experimental therapeutics with particular emphasis on molecular biology, immunology, and gene therapy. Position will involve work on a grant with expression of genes that regulate tumor mediated antitumor activity. Please send curriculum vitae and names of three references to: Dr. D.G. Priest, Department of Biochemistry and Molecular Biology, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425–2211.

DANA–FARBER CANCER INSTITUTE

Applications are invited for a two year POSTDOCTORAL position. The project is to conduct projects investigating the cellular and molecular mechanisms of bone marrow transplantation. Work in progress relates to cytokine dysregulation during graft versus host disease and the evaluation of novel cytokine antagonists. The successful applicant will have practical experience in molecular biology and cellular immunology techniques. The position is available immediately with competitive salary and fringe benefits. Please send curriculum vitae and names of three references to: Dr. James Ferrara, Room 1640, Dana–Farber Cancer Institute, Boston, MA 02115. Telephone: 617-323-4125; FAX: 617-730-0483.

POSTDOCTORAL SCIENTIST

Oread Laboratories, Inc., a growing pharmaceutical research and development company in the Bay area, is seeking a scientist with a Ph.D. for a Postdoctoral position. The individual hired will work as an Oread employee but will be assigned to a secondary company currently housed in Oread's physical facility. This secondary company is expected to operate under this arrangement up to three years with renewal possible. Incumbent will perform advanced research and experimental work under general direction of Study Director. Initially, focus will be on transdermal drug delivery systems with some focus in the future on gene therapy. Literature searches, analysis of research data, writing and other support functions will also be required. Required Qualifications: Incumbent must possess a Ph.D. in Biochemistry or closely related area with proficiency in polymer synthesis/ modification and laboratory scale process development; understanding of polymer applications to development of solid and liquid forms of polymer systems. Minimum six months of work with computers for purposes of report writing and technical data analysis also required. Incumbent must be detail oriented, work well with minimal supervision, and be able to work in a safe manner utilizing good judgement. Individual must be willing to perform transdermal drug delivery systems development tasks. Desirable Qualifications: Experience with transdermal delivery and analysis of therapeutic agents; understanding of the application of polymer science to the development of transdermal delivery systems. To Apply: Send resume to: Oread Laboratories, Inc. Attn: HR-PDS, 1501 Wakuara Drive, Lawrence, KS 66047. Equal Opportunity Employer/Affirmative Action.

POSTDOCTORAL POSITION available immediately to conduct research in the general area of cancer experimental therapeutics with particular emphasis on molecular biology, immunology, and gene therapy. Position will involve work on a grant with expression of genes that regulate tumor mediated antitumor activity. Please send curriculum vitae and names of three references to: Dr. D.G. Priest, Department of Biochemistry and Molecular Biology, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425–2211.

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RESEARCH DIRECTOR

The Morton Arboretum invites applications for the position of Research Director. The Arboretum is a privately operated museum of woody plants, and is one of the premier arboreta in the world. It is located on 1500 acres in the western suburbs of Chicago, Illinois.

The Research Director, the senior administrator for research at the Arboretum, leads a diverse, balanced program of practical research related to woody plants, coordinated with the Arboretum's Collections and Education Programs. Outstanding, modern research facilities and significant natural and experimental land support the Research Program. The Research Director is responsible for the 14-member Research staff and an annual operating budget in excess of $500,000.

Minimum qualifications include a Ph.D. degree in the plant sciences, demonstrated research ability and productivity, strong administrative and leadership skills and experience, and excellent people skills in interactions with the public, staff, and other professionals. Desired is a professional background and interest in woody plants, ecology, and horticulture.

Send curriculum vitae and a list of references to Dr. Gerard T. Donnelly, Director, The Morton Arboretum, Lisle, IL 60532.

NIH Research Fellow/Investigator Position

MUSCLE TRANSCRIPTION FACTORS

A Research Position is available in the Laboratory of Cardiovascular Science, National Institute on Aging, National Institutes of Health, to work on the biochemistry and molecular biology of a unique class of transcription factors expressed in differentiated skeletal and cardiac muscle. Recent work in the laboratory has identified a number of factors that are either homologues or interact with serum response factor (SRF) in skeletal muscle cell cultures and that bind to DNA elements in the 5' flanking region of ventricular/slow alkali MLC gene to control its transcription. We are interested in isolating and cloning these factors using novel screening procedures based on protein expression and in determining how these factors interact with SRF to achieve tissue-specific transactivation and whether the expression of these factors is altered by muscle activity and aging.

Applications are invited from individuals with Ph.D., M.D., or M.D./Ph.D. degrees. Applicants with experience in molecular and/or cellular biology are especially encouraged to apply. Salary is excellent and commensurate with experience.

Interested candidates should send their curriculum vitae and a letter specifying their research interests to:

Dr. Michael T. Crow, Laboratory of Cardiovascular Science, Gerontology Research Center, National Institute on Aging, 4940 Eastern Avenue, Baltimore, Maryland 21224; (410) 558-8202.

Inquiries by FAX will be accepted at 410-558-8150.

NIH is an Equal Opportunity Employer.
Postdoctoral Research Scientist

Focuses on cellular and molecular mechanisms of potential neuroprotective effects mediated by neurotrophins. Current areas of investigation include in vitro paradigms for study of Parkinson's disease. Requires a recent Ph.D. graduate in biochemistry, cell biology, or neurobiology. Must be experienced in areas of cell culture, neurochemistry, or molecular neurobiology.

Regeneron is situated on an expansive wooded campus near Tarrytown in Westchester County, 25 miles north of New York City. We offer a dynamic, highly collaborative scientific environment conducive to your professional growth potential. Please send resume and a cover letter indicating immediate career goals and the names of two or more references, in confidence to: Human Resources, Bin TB (Behavioral) or Bin CP (Postdoctoral), Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, Tarrytown, NY 10591-6707.

*Bio*logy of Neurotrophic Factors in Neurodegenerative Disease

If you're looking for exceptional opportunities to enrich your scientific impact on important, high profile research, you can achieve more at Regeneron Pharmaceuticals. You’ll be joining an expanding team effort to research and evaluate the therapeutic power of nerve growth factors and their effect on neurodegenerative disorders. As a world leading pharmaceutical company, known for its quality research capabilities, we have immediate challenges for the following scientists:

**Behavioral Neuroscientist**

To lead and conduct studies measuring behavioral responses to neurotrophic factor administration. Includes developing animal models of Parkinson's and Alzheimer's diseases, ALS and peripheral neuropathies using traditional and transgenic approaches. A Ph.D. is required with demonstrated strengths in statistical evaluation, computer proficiency and a publication record reflecting production and creative research. Neuroanatomical and surgical expertise are also essential.

Regeneron Pharmaceuticals, Inc.
Equal Opportunity Employer

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**Postdoctoral Fellows Oncology Drug Discovery**

The Bristol-Myers Squibb Pharmaceutical Institute is at the forefront of oncological research in drug discovery and continues to expand its intensive efforts in this area. Under the direction of Dr. Bernd Seizinger, several postdoctoral fellow positions are available in Princeton, New Jersey.

Qualified candidates will have experience in molecular genetics and/or cell biology. Research will involve elucidating normal and aberrant function of tumor suppressor genes in the mammalian cell such as interactions with other cancer-related and growth-related genes and proteins, regulation by growth-control genes etc. Creativity and the ability to work independently are necessary attributes.

A comprehensive benefits package and competitive salary will be offered. Individuals who possessPh.D. degrees should forward their resume to: Bristol-Myers Squibb Pharmaceutical Research Institute, Human Resources Dept. 336-BM, P.O. Box 4000, Princeton, NJ 08543-4000. Equal Opportunity Employer, M/F/D/V

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The Pew Charitable Trusts, one of the United States' largest private foundations, is sponsoring a program to provide support for young scientists from Latin America for post-doctoral training in the biomedical sciences in the U.S. Ten Fellows will be selected for awards in 1993 and will be supported for up to three years. An award of $40,000 will be provided for use by the Fellow for living expenses during the training period (2 years) and will be administered by the sponsoring U.S. institution. Upon notification of the Fellow's return to his or her country of origin, an additional $35,000 award will be provided to the Fellow for the sole purpose of purchasing equipment and supplies to establish a laboratory at his or her home institution.

Applicants must have held the Ph.D. and/or M.D. degrees for no more than five years as of July 1, 1993. Preference is given to Latin American individuals who have not had significant previous training in the U.S. and who require support to receive post-doctoral training. The Program will accept candidates from five regions: Argentina, Brazil, Chile, Mexico, and Columbia/Uruguay/Ecuador/Venezuela. To obtain further information and an application, contact the appropriate Nominating Committee Chairman at the given address for your region. The deadline for applications is October 1, 1992.

**ARGENTINA:**
Professor Israel Algranari
Instituto de Investigaciones Bioquimicas
Fundacion Campomar, Antonio Machado 151
Av. Patriciaas Argentinas 435
1405 Buenos Aires, Argentina
TEL: 1-88-4018
FAX: 1-86-2246

**BRAZIL:**
Professor Carlos Morel
Director of Research
Head, Department of Molecular Biology
Av. Brasil, 4365 - Manguinhos
Rio de Janeiro, RJ 21045, Brazil
TEL: 21-290-7549
FAX: 21-590-3485

**CHILE:**
Professor Mario Luxoro
Facultad de Ciencias, Universidad de Chile
Casilla 653 (correo Central)
Santiago, Chile
TEL: 2-271-2865
FAX: 2-271-2883

**MEXICO:**
Professor Hugo Arechiga
Department of Physiology
Centro de Investigacion Del IPN, AP 14-470
Mexico City 14DF, Mexico
TEL: 5-754-0200 (ext, 210)
FAX: 5-754-8707

**COLUMBIA/URUGUAY/ECUADOR/VENEZUELA:**
Torsten Weisel, M.D.
Chairman, National Advisory Committee
c/o The Pew Latin American Fellows Program
1388 Sutter Street, Suite 805
San Francisco, California 94109 U.S.A.
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**Research Scientists**

- **Clinical: Pharmacology/Pharmacokinetics**

Your expertise in pharmacokinetics/biopharmaceutics is needed to design protocols, prepare reports, and carry out kinetic analysis of pharmacokinetic and bioavailability studies in normal human volunteers and patients. You will also prepare protocols for and carry out population kinetic analysis and PK/PD analysis of appropriately designed studies. Excellent verbal and written skills are necessary for final report preparation and summarization for NDA and International drug registrations.

Two positions are available in this area and require a PhD in Pharmacokinetics, Pharmaceutical Chemistry, or Pharmacology. One is an entry-level position and the other requires at least 3-5 years' related industry experience. A good working knowledge of NONLIN and PK/PD software programs is required; expertise in NONMEM is desirable.

- **Pharmaceutical Analysis**

You will conduct experiments requiring proficiency in pharmaceutical chemistry applied to the analysis of pharmaceutical dosage forms. The successful candidate must be able to work on project teams and interact effectively with other team members. You may also be required to assume additional leadership responsibilities.

This position requires a PhD in Pharmaceutical, Analytical or Physical Organic Chemistry with 2-5 years' post doctoral or industrial experience in the following areas: analytical method development, reaction mechanisms, experimental design, HPLC, UV-Visible spectroscopy and gel electrophoresis. Experience with protein chemistry and characterization is desired but not required. You must have demonstrated excellent written and verbal skills and exhibit a favorable record of scientific publication.

Syntex offers a diverse and challenging environment, attractive salary, and benefits package including relocation assistance. We also offer day care, on-site health club and beautiful, campus-like facilities. For consideration, please send your resume to: Syntex, Staffing Department Job #TCS673, 1401 Hillview Avenue, Palo Alto, CA 94303. Syntex is an equal opportunity employer committed to the values of a diversified workforce.
RESEARCH ASSOCIATE needed by a southwestern Ohio university to perform research on treatment and prevention of allergies by oral administration of drugs. Formulates the chemical basis of the encapsulated allergens, concentrates the allergens, and prepares them for small animal use. Requires Protein quantitative assay and Western blotting and determines whether the encapsulated allergens retain their native structure and immunogenicity after oral administration. Must have the immune response to the target allergens before and after administration using the following techniques: ELISA, T-cell proliferation assay and PCA. In connection with the testing procedures, bleeds animals with a Pasteur pipette to obtain serum samples, calculates antibody titre based on computerized data sheets, dissect animals separating T-cells using Cell culture procedures, or Biochemical purification. Must have a Ph.D. or regulating pituitary hormonesecretion. Position requires Ph.D. or approximately 2 years of experience. Must demonstrate proficiency in Western blotting and ELISA, Cell culture techniques, Protein quantitative assay and Western blotting. Experience may be gained before or after graduation. More information can be obtained by calling Friday 8:00 a.m. to 5:00 p.m., 1000 hours per week, $21,000 per year. Must have proof of legal authority to work permanently in United States. Send resume in duplicate to: Dr. J. D. Ellison, 1128 South High Street, Columbus, OH 43216.

PEPTIDE PHARMACOLOGIST

RESEARCH ASSOCIATE POSITION available to participate in the characterization of natural peptides regulating pituitary hormone secretion. Position requires Ph.D. or Master's degree in pharmacology and/or experience with the isolation, purification, biological and pharmacological characterization of peptides. Candidate should have good verbal and written communication skills and strong familiarity with the fields of neuroendocrinology and signal transduction mechanisms. Published experience with modern chromatography techniques, receptor-binding assays radioimmunoassay, ELISA, and cell culture systems is a necessary experience. In devising and performing in vivo pharmacological experiments using rats and mice is also desired. Please forward curriculum vitae and names of three references to: Dr. Marc E. Freeman, Department of Biological Sciences, Florida State University, Tallahassee, FL 32306. Telephone: (904) 644-3896.

The Molecular Allergy and Immunology Section, National Institute of Allergy and Infectious Diseases (NIAID). Offers an excellent opportunity for a research scientist. RESEARCH SCIENTIST position starting in 1993. Requirements include a Ph.D. in pharmacology, cell biology or molecular biology, a 5-year minimum of postdoctoral experience and expertise in immunology and molecular biology. Successful candidates are expected to establish an outstanding independent research program in the area of molecular biologic of allergic reaction. Candidates with a strong research background in immunology and pharmacology, and with experience in gene regulation and the biochemistry of cell activation, are preferred. Additionally, applicants should be familiar with techniques of tissue culture, DNA recombination, protein chemistry, HPLC, bioassays of cytokines, and have a demonstrated interest in and commitment to quality research published in peer-reviewed journals. Starting salary will be commensurate with qualifications and experience. Applicants should send their curriculum vitae, selected reprints, a statement of research accomplishments and names of three references to: Dr. John Gallin, c/o D. Sadowski, 1 South Drive, Rockville, MD 20852. Women and minorities are encouraged to apply. NIH is an Equal Opportunity Employer. U.S. citizenship required.

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Lucia B. Rothman-Denes
Director, Training Program Department of Molecular Genetics and Cell Biology

The University of Chicago

100 East 59th Street

Chicago, IL 60637

Research Associate, Ph.D. or equivalent. Experience with molecular biology and biochemical techniques required. Position involves cloning of the mammalian intestinal membrane transporters and transporter expression and regulation. Send three references to: P. Randle, Department of Medicine (M/C 787), University of Illinois at Chicago, 840 South Wood Street, Chicago, IL 60612. Affirmative Action/Equal Opportunity Employer.

SENIOR RESEARCH SPECIALIST: Coordinate activities of multidisciplinary team of scientists and engineers in connection with research and development of artificial heart devices; assist in gathering useful data with respect to the interaction of the left ventricle of the heart with certain heart-assist devices after implantation in animals and humans. Ph.D. degree in Biomedical Engineering. Ph.D.-level course work must include at least one (1) course in Medical Physiology. Graduate-level research must include Electrical Resistance Volumetry in the Circulation of Blood in the Heart, and the Effect of Anesthetics on the Strength of Red Blood Cells. One (1) year of experience in the position, or one (1) year, 6 months of experience as post-Ph.D. Research Experience. Application in related occupation must include the following: in vivo studies of ventricular interaction during heart assist, design of specialized numerical loading experiments, including microprocessor controller; computer modeling of ventricular interaction; assist in clinical management of patients on heart assist devices; participation in exploratory clinical and artificial heart devices.

One hour per week, 9:00 a.m. to 5:00 p.m.; salary: $60,000-90,000 per year. Must show proof of legal authority to work permanently in United States if offer of employment is received. Send this ad and your resume to: Job No. LQ 6619, P.O. Box 9560, Sacramento, CA 95813-0570, no later than 18 July 1992.

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