For innovative solutions to your research problems…

Science
Innovation '92
New Techniques and Instruments in Biomedical Research
21–25 July 1992 • San Francisco
Sponsored by Science Magazine and the American Association for the Advancement of Science

Science Innovation is the most comprehensive presentation of new biomedical research techniques and instruments available in a single meeting. This annual event is unique in that it focuses on the research process rather than on results. Speakers will detail their methodologies and explain how you can adapt their techniques to solve problems in your own area of research.

As a participant, you'll attend plenary sessions by world-renowned scientists on the current status and future potential of the cutting-edge techniques they have developed. You'll also discuss specific applications of problem-solving techniques in any of 21 advanced technology workshops led by top research scientists. You can examine relevant technologies on display in the exhibition and arrange for their implementation in your lab. In addition, you can share your own research in technique-focused poster sessions and seek out new career opportunities in the employment exchange.

If you are a bench scientist, research manager, engineer, professor, or student and are doing biomedical research in a university, industry, or government lab; a research hospital; or a biotech institute, you can’t afford to miss Science Innovation '92.

For more information about the scientific program, the exhibition, or the contributed paper sessions, use the coupon below or call 202-326-6450.

Confirmed Plenary Speakers:
Steven Block • Mario Capecchi • C. Thomas Caskey • Steven Chu • Peter Dervan • Richard Ernst • Stephen Fodor • Robert Goldberg • Joseph Goldstein • Paul Hansma • Leroy Hood • Harden McConnell • Fred McLafferty • Carver Mead • George Smith • Savio Woo • Richard Zare

Advanced Technology Workshops:
DNA Sequencing • DNA Amplification • Nonisotopic Detection • Information Analysis • Gene Mapping • Gene Therapy • Gene Transfer • Innovations in Crop Production • Protein Structure Determination • Immunological Techniques • Gene Expression • Brain Research • Microscopy • Fluorescent In-situ Hybridization • Mass Spectrometry • Chemical and Structural NMR • DNA Forensics • Oncogene and Suppressor Techniques • Drug Targeting and Delivery • Purification and Separation • Biomedical Imaging

Yes! I'd like to learn more about Science Innovation '92.
☐ Please send me details about the scientific program.
☐ I'm interested in exhibiting. Please send an exhibit prospectus.
☐ I'm interested in presenting a poster. Please send me details.

Name____________________________________________________________
Institution______________________________________________________
Address________________________________________________________________________________________
City/state__________________________________________Phone_________________
Zip__________________________________________________________

Mail to: AAAS Meetings, 1333 H Street, NW, Washington, DC 20005. (Phone: 202-326-6450; Fax: 202-289-4021)
POSITIONS OPEN

The Department of Anesthesia at the University of Pennsylvania seeks applications for the position of ASSISTANT PROFESSOR (tenure track). The successful candidate is expected to develop a research program on mechanisms of anesthetic action, with special emphasis on the peripheral vascular effects of anesthetics. Experience in whole animal hemodynamics, signal transduction mechanisms, and cell biology is desired. Responsibilities include directing a tissue culture facility, teaching graduate and medical students, and participation in collaborative research programs. Applicants must have an advanced degree (Ph.D., M.D.), relevant postdoctoral research experience in pharmacology or a related discipline, and a strong record of research accomplishment. Proven potential to develop an independent research program with extramural funding is expected. The primary appointment is in the Department of Anesthesia; a joint appointment in the tenure track in the appropriate basic science department is required for basic scientists. Candidates should submit their curriculum vitae, names of three references and a statement of research and career goals to: Dr. David E. Longnecker, M.D., Department Chairman, Department of Anesthesia, Hospital of the University of Pennsylvania, 3400 Spruce Street, Philadelphia, PA 19104-4283, by 20 March 1992. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF BIOLOGY. Antioch College seeks applicants and nominees for a tenure-track position as an assistant professor to begin 1 September 1992. Candidate should have completed a doctorate and experience in biochemistry, developmental biology, or molecular evolution. Antioch seeks an individual committed to liberal arts undergraduate teaching and the involvement of students in research. In addition, the successful applicant will show evidence to make creative contributions to our interdisciplinary programs designed to prepare undergraduate science majors for graduate and professional training in the biomedical and environmental sciences. Experience is particularly interesting in candidates who are able to incorporate ethnic, gender, and minority concerns into the context of their regularly offered courses. Send nominees and applicants including three references, to: Robert Eugene Rice, Dean of Faculty, Antioch College, 795 Livermore Street, Yellow Springs, OH 45387. The search committee will begin reviewing applicants on 15 March 1992, and will continue to accept applications until a candidate is selected. Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR OF BIOLOGY
ASSISTANT CURATOR IN INVERTEBRATE ZOOLOGY
HARVARD UNIVERSITY

The Department of Organismic and Evolutionary Biology of Harvard University seeks an appointment of an invertebrate systematist with expertise on a group of living organisms other than insects, echinoderms, or mollusks. The candidate will be expected to interact with, and teach, students at the graduate and undergraduate levels and must be willing to accept curatorial responsibilities of part of the collection of invertebrate animals in the Museum of Comparative Zoology. Applications should include curriculum vitae, representative reprints, and three letters of recommendation and should be sent by 9 March 1992 to: Professor K. J. Ross, Department of Organismic and Evolutionary Biology, 56 Oxford Street, Cambridge, MA 02138. Harvard University is an Equal Opportunity/Affirmative Action Employer. We especially invite women and underrepresented minorities to apply.

ELECTROPHYSIOLOGIST/HISTOCHEMIST

The Division of Cellular and Molecular Biology at the Dana-Farber Cancer Institute and the Department of Biological Chemistry and Molecular Pharmacology at Harvard Medical School are conducting a search for an assistant professor. We are interested in identifying applicants who are addressing contemporary issues in cell biology or development using model systems that are relevant to genetic or biochemical analysis like, but not confined to, yeast or mice. In addition to developing a basic research program the successful candidate will be expected to participate in educational activities at the Dana-Farber Cancer Institute and Harvard Medical School. Interested candidates should submit curriculum vitae, brief research description, and three letters of reference to: Dr. Richard Kolodner, Search Committee Chairman, Division of Cellular and Molecular Biology, Dana-Farber Cancer Institute, Meyer Building, Room 849, 44 Binney Street, Boston, MA 02115.

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

DEPARTMENT OF PHARMACOLOGY
THE UNIVERSITY OF ALABAMA
AT BIRMINGHAM (UAB)
ASSISTANT PROFESSOR

PROTEIN CRYSTALLOGRAPHY

Applications are invited for this tenure-track position available in July 1992. Priority will be given to candidates with research programs focused on receptors and receptor-binding proteins. The successful candidate is expected to develop a vigorous research program in structural biology, and to participate in UAB's graduate program in pharmacology. She or he will also hold a parallel appointment in the Center for Macromolecular Crystallography and the Comprehensive Cancer Center. Salary for this 12-month appointment will be commensurate with the candidate's qualifications.

Applications should include curriculum vitae, a list of publications, a brief statement regarding future research plans, and at least three references to: Charles E. Bugg, Center for Macromolecular Crystallography, University of Alabama at Birmingham, Box 7977—UAB Station, Birmingham, AL 35294—0005. Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

The Division of Cellular and Molecular Biology at the Dana-Farber Cancer Institute and the Department of Biological Chemistry and Molecular Pharmacology at Harvard Medical School are conducting a search for an assistant professor. We are interested in identifying applicants who are addressing contemporary issues in cell biology or development using model systems that are relevant to genetic or biochemical analysis like, but not confined to, yeast or mice. In addition to developing a basic research program the successful candidate will be expected to participate in educational activities at the Dana-Farber Cancer Institute and Harvard Medical School. Interested candidates should submit curriculum vitae, brief research description, and three letters of reference to: Dr. Richard Kolodner, Search Committee Chairman, Division of Cellular and Molecular Biology, Dana-Farber Cancer Institute, Meyer Building, Room 849, 44 Binney Street, Boston, MA 02115.

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

DEPARTMENT OF PHARMACOLOGY
THE UNIVERSITY OF ALABAMA
AT BIRMINGHAM (UAB)
ASSISTANT PROFESSOR

PROTEIN CRYSTALLOGRAPHY

Applications are invited for this tenure-track position available in July 1992. Priority will be given to candidates with research programs focused on receptors and receptor-binding proteins. The successful candidate is expected to develop a vigorous research program in structural biology, and to participate in UAB's graduate program in pharmacology. She or he will also hold a parallel appointment in the Center for Macromolecular Crystallography and the Comprehensive Cancer Center. Salary for this 12-month appointment will be commensurate with the candidate's qualifications.

Applications should include curriculum vitae, a list of publications, a brief statement regarding future research plans, and at least three references to: Charles E. Bugg, Center for Macromolecular Crystallography, University of Alabama at Birmingham, Box 7977—UAB Station, Birmingham, AL 35294—0005. Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

The Division of Cellular and Molecular Biology at the Dana-Farber Cancer Institute and the Department of Biological Chemistry and Molecular Pharmacology at Harvard Medical School are conducting a search for an assistant professor. We are interested in identifying applicants who are addressing contemporary issues in cell biology or development using model systems that are relevant to genetic or biochemical analysis like, but not confined to, yeast or mice. In addition to developing a basic research program the successful candidate will be expected to participate in educational activities at the Dana-Farber Cancer Institute and Harvard Medical School. Interested candidates should submit curriculum vitae, brief research description, and three letters of reference to: Dr. Richard Kolodner, Search Committee Chairman, Division of Cellular and Molecular Biology, Dana-Farber Cancer Institute, Meyer Building, Room 849, 44 Binney Street, Boston, MA 02115.

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

DEPARTMENT OF PHARMACOLOGY
THE UNIVERSITY OF ALABAMA
AT BIRMINGHAM (UAB)
ASSISTANT PROFESSOR

PROTEIN CRYSTALLOGRAPHY

Applications are invited for this tenure-track position available in July 1992. Priority will be given to candidates with research programs focused on receptors and receptor-binding proteins. The successful candidate is expected to develop a vigorous research program in structural biology, and to participate in UAB's graduate program in pharmacology. She or he will also hold a parallel appointment in the Center for Macromolecular Crystallography and the Comprehensive Cancer Center. Salary for this 12-month appointment will be commensurate with the candidate's qualifications.

Applications should include curriculum vitae, a list of publications, a brief statement regarding future research plans, and at least three references to: Charles E. Bugg, Center for Macromolecular Crystallography, University of Alabama at Birmingham, Box 7977—UAB Station, Birmingham, AL 35294—0005. Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

The Division of Cellular and Molecular Biology at the Dana-Farber Cancer Institute and the Department of Biological Chemistry and Molecular Pharmacology at Harvard Medical School are conducting a search for an assistant professor. We are interested in identifying applicants who are addressing contemporary issues in cell biology or development using model systems that are relevant to genetic or biochemical analysis like, but not confined to, yeast or mice. In addition to developing a basic research program the successful candidate will be expected to participate in educational activities at the Dana-Farber Cancer Institute and Harvard Medical School. Interested candidates should submit curriculum vitae, brief research description, and three letters of reference to: Dr. Richard Kolodner, Search Committee Chairman, Division of Cellular and Molecular Biology, Dana-Farber Cancer Institute, Meyer Building, Room 849, 44 Binney Street, Boston, MA 02115.

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

POST-DOCTORAL POSITION(S)

Applications are invited for a tenure-track appointment at the assistant professor level in the Department of Anatomy of Thomas Jefferson University. TJU, located in Center City, Philadelphia, is an academic health center with rapidly expanding programs in cellular and molecular biology. Candidates are expected to have postdoctoral experience and will be expected to establish an independent research program which applies cellular and molecular biology to a novel mechanistic analysis of neural system development. Teaching responsibilities will be as a member of the cell and molecular neuroscience faculty team and in graduate programs in developmental biology. Candidates must have their curriculum vitae, a statement of present and future research interests, and three letters of recommendation to: Gerald B. Grunwald, Ph.D., Search Committee Chairman, Department of Anatomy, Thomas Jefferson University, 1020 Locust Street, Philadelphia, PA 19107. Thomas Jefferson University is an Affirmative Action/Equal Opportunity Employer committed to a smoke-free environment.

POSITIONS OPEN

ASSISTANT PROFESSOR DEVELOPMENTAL NEUROBIOLOGIST

Applications are invited for a tenure-track appointment at the assistant professor level in the Department of Anatomy of Thomas Jefferson University. TJU, located in Center City, Philadelphia, is an academic health center with rapidly expanding programs in cellular and molecular biology. Candidates are expected to have postdoctoral experience and will be expected to establish an independent research program which applies cellular and molecular biology to a novel mechanistic analysis of neural system development. Teaching responsibilities will be as a member of the cell and molecular neuroscience faculty team and in graduate programs in developmental biology. Candidates must have their curriculum vitae, a statement of present and future research interests, and three letters of recommendation to: Gerald B. Grunwald, Ph.D., Search Committee Chairman, Department of Anatomy, Thomas Jefferson University, 1020 Locust Street, Philadelphia, PA 19107. Thomas Jefferson University is an Affirmative Action/Equal Opportunity Employer committed to a smoke-free environment.

ASSISTANT PROFESSOR, DEVELOPMENTAL NEUROBIOLOGIST

Applications are invited for a tenure-track appointment at the assistant professor level in the Department of Anatomy of Thomas Jefferson University. TJU, located in Center City, Philadelphia, is an academic health center with rapidly expanding programs in cellular and molecular biology. Candidates are expected to have postdoctoral experience and will be expected to establish an independent research program which applies cellular and molecular biology to a novel mechanistic analysis of neural system development. Teaching responsibilities will be as a member of the cell and molecular neuroscience faculty team and in graduate programs in developmental biology. Candidates must have their curriculum vitae, a statement of present and future research interests, and three letters of recommendation to: Gerald B. Grunwald, Ph.D., Search Committee Chairman, Department of Anatomy, Thomas Jefferson University, 1020 Locust Street, Philadelphia, PA 19107. Thomas Jefferson University is an Affirmative Action/Equal Opportunity Employer committed to a smoke-free environment.

POSITIONS OPEN

ASSISTANT PROFESSOR, DEVELOPMENTAL NEUROBIOLOGIST

Applications are invited for a tenure-track appointment at the assistant professor level in the Department of Anatomy of Thomas Jefferson University. TJU, located in Center City, Philadelphia, is an academic health center with rapidly expanding programs in cellular and molecular biology. Candidates are expected to have postdoctoral experience and will be expected to establish an independent research program which applies cellular and molecular biology to a novel mechanistic analysis of neural system development. Teaching responsibilities will be as a member of the cell and molecular neuroscience faculty team and in graduate programs in developmental biology. Candidates must have their curriculum vitae, a statement of present and future research interests, and three letters of recommendation to: Gerald B. Grunwald, Ph.D., Search Committee Chairman, Department of Anatomy, Thomas Jefferson University, 1020 Locust Street, Philadelphia, PA 19107. Thomas Jefferson University is an Affirmative Action/Equal Opportunity Employer committed to a smoke-free environment.
A personal invitation from Dr. Gideon Goldstein.

At Immunobiology Research Institute, Dr. Gideon Goldstein, world-renowned immunologist and a 1991 recipient of the Pharmaceutical Manufacturers Association Discoverer's Award, leads a small team of dedicated scientists in the development of natural, peptide-based agents that will fight disease by manipulating the body’s own immune system rather than by introducing toxic agents.

With the support of Johnson & Johnson, Dr. Goldstein and his talented team are working on elucidating the receptor interaction of a polypeptide hormone, defining the distribution and structure of its receptors, and explaining the transduction mechanisms involved in the function of the lymphocytes and neurons that it regulates.

Ours is an atmosphere which fosters discovery and offers you many of the best features of a world-class academic environment, while providing you with the freedom to become involved in all phases of the discovery process. If you are a Ph.D. with a background in molecular immunology, endocrinology and/or neuroendocrinology and a proven record of publication, we invite you to discover our environment.

Please forward your C.V. to: Director, Human Resources, Immunobiology Research Institute, Route 22 East, P.O. Box 999, Annandale, NJ 08801-0999. Equal Opportunity Employer.
Eisai Research Institute of Boston, Inc. is looking for a creative and dynamic senior researcher to join our existing group of scientists working toward innovative solutions to challenging pharmaceutical problems. Applicants must have a Ph.D. in a relevant biological science, and several years' experience beyond the postdoctoral level in academic or pharmaceutical research. The successful candidate will have broad-based knowledge and expertise in several of the following areas: biochemistry, molecular pharmacology, molecular immunology, cell biology, or molecular biology. The person hired will be expected to identify and develop new research areas aimed at generating pharmaceutical entities, in collaboration with a team of synthetic chemists. Excellent communication skills, the ability to supervise others, and the desire to work as part of a multidisciplinary team are required. Interested candidates should send a resume and names and addresses of three references by April 1 to Director of Administration, 4 Corporate Drive, Andover, MA 01810. An Equal Opportunity Employer.

Eisai
EISAI RESEARCH INSTITUTE

Regeneron Pharmaceuticals is committed to the research of neuronal growth factors and developing these proteins for the treatment of nervous system disorders. Our continued expansion has created the following opportunities:

**PROTEIN CHEMISTRY**
We are seeking a Protein Chemist (BS or MS) experienced in protein purification and characterization. The work will involve purification and refolding of recombinant proteins, analysis of protein conformation and studies of protein-protein interactions. Familiarity with circular dichroism and fluorescence spectroscopy would be advantageous.
Dept. Bln PC.

**PROTEIN BIOCHEMISTRY**
Protein Biochemist with MA (or BA plus several years experience) to work on the purification and characterization of recombinant proteins. Ability to work independently, & experience with biochemical isolation & HPLC is required. Familiarity with structure/function refolding is preferred.
Dept. Bln PBC.

Regeneron's modern facility is located on an expansive wooded campus in Westchester County, 25 miles north of Manhattan. The highly collaborative and supportive Regeneron community offers considerable scientific and professional growth potential.
Please send your resume (including proper Dept. #) and a cover letter indicating your research experience and interests, immediate career goals, desired starting date, salary expectations, and the names of two or more references to: Human Resources, Dept. R, Regeneron Pharmaceuticals, 777 Old Saw Mill River Road, Tarrytown, NY 10591-6707. Equal Opportunity Employer m/f.

REGENERON Pharmaceuticals, Inc.

The Samuel Roberts Noble Foundation, Inc.

**SECTION HEAD**
**PLANT MOLECULAR GENETICS**
We are seeking applicants with the necessary qualifications to initiate a new research section within the Plant Biology Division. Candidates should have a minimum of two years postdoctoral experience in molecular genetics and proven ability in applying their expertise to genetically tractable systems such as (but not limited to) Arabidopsis. The successful candidate will be expected to develop a vigorous research program utilizing genetic methods for elucidating the molecular mechanisms underlying plant responses to biotic and abiotic stress.
The position is one of four Section Head positions in the Plant Biology Division. The successful applicant would be expected to interact with the other groups which work on the biochemistry and molecular biology of plant defense response genes, molecular virology, and crop protection through gene transfer technology. The Foundation offers a unique environment for creative and productive research with stable funding and excellent prospects for achievement-based development of the Plant Genetics Section. Technical and postdoctoral positions within the Section will be advertised on appointment of the Section Head.

To apply, submit curriculum vitae, statement of research interests and names of three references to:
Dr. Richard A. Dixon
Director, Plant Biology Division
The Samuel Roberts Noble Foundation, Inc.
P.O. Box 2180
Ardmore, OK 73402, USA
Phone (405) 223-5810 Fax (405) 221-7380

An Equal Opportunity Employer

We'll Help You Build A New Lab

Let the free Science product information service put you in touch with the vendors whose products you will need.

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, Rm. 830, 1333 H Street, N.W., Washington, DC 20005

The free Science product information service is supported by

The State Library of New Jersey
UNIVERSITY OF HONG KONG  
FACULTY OF SCIENCE  

In association with the expansion of the University over the next few years, the Faculty invites applications for teaching posts from suitably-qualified candidates who are able to contribute to postgraduate as well as undergraduate teaching in the Faculty including a number of study programmes specified below. Applicants should have an appropriate higher degree, normally a PhD, and relevant teaching and research experience. The posts are tenable from 1 September 1992.

READERSHIPS/SENIOR LECTURES/ 
LECTURESHIPS

Departments of Botany and Zoology (Ref. RF/TA/Sci/1)

Special preference will be given to persons with expertise in the following fields of the Programmes concerned in the BSc curriculum: Animal and Plant Biotechnology Programme (applied immunology; biotechnology engineering; cell culture/processing; cell immunity; crop biotechnology; industrial microbiology; post-harvest technology; protein engineering. Experience in the biotechnology industries would be welcome.) Environmental Science Programme (animal behaviour; ecology of terrestrial vertebrates; eco-physiology; fisheries biology/aquaculture; plant ecology). Food and Nutritional Science Programme (cereal science; diet and disease; food additives; food pests; food preservation; food processing/analysis; pharmacognosy; plant breeding; toxicology). General Biology Programme (developmental biology; entomology/pest control; plant molecular genetics; plant systematics). Applicants should specify clearly the programme of their interest and the area(s) of their expertise.

LECTURESHIPS

The Radiolotope Unit (Ref.RF/TA/Sci/5)

Applicants should have appropriate expertise in areas related to environmental radioactivity or radiobiology. The appointee will be required to contribute to the Unit's radiological protection service.

Annual salaries (superannuable) are on the following scales:

Reader (R)  
HK$501,120–665,700 (9 points)  
(US$64,861–US$88,164)

Senior Lecturer (SL)  
HK$480,360–645,300 (9 points)  
(US$62,175–US$83,522)

Lecturer (L)  
HK$390,120–516,480 (11 points)  
(US$49,010–US$66,850)

US Dollar equivalents as at 14 January 1992. Starting salaries depend on qualifications and experience. Salaries tax is currently 15% of gross income.

Appointments are normally made on permanent, superannuable terms, subject to a period of probation of not less than 33 months. Staff benefits include generous leave provisions, medical benefits and children's education allowances; housing assistance is also provided in most cases at a charge of 7.5% of salary.

Further particulars and application forms may be obtained from the Appointments Officer, Association of Commonwealth Universities, 36 Gordon Square, London WC1H OPF, UK; or from the Secretary Faculty of Science, University of Hong Kong, Pokfulam Road, Hong Kong (fax (852) 8584620). Please quote title of post/department/programme and reference number in all correspondence.

The closing date for all posts is: 31 March 1992.

The recent opening of the new Glaxo Inc. Girolami Research Institute, located in Research Triangle Park, NC, represents Glaxo's continued commitment to the discovery and development of drugs for unmet patient needs. We invite you to experience the challenges and accomplishments a future with us holds for you. The following opportunities are now available.

ENDOTHELIAL CELL BIOLOGIST

We seek an experienced Endothelial Cell Biologist to lead a research group focusing on neovascularization and tumor angiogenesis.

Emphasis is on an interdisciplinatory approach to the regulation of endothelial cell function using novel molecular, biochemical and cell biological approaches to define endothelial specific pathways involved in tumor angiogenesis. Active collaboration between the research team and other teams both inside and outside the company is required.

Qualifications must include a Ph.D. or M.D., a minimum of 4 years relevant post-doctoral experience, and a proven record of achievement. Expertise in the areas of immunocytochemistry, microscopy and extracellular matrix biochemistry is desirable.

Please refer to Job # 91258118-SC on all resumes.

RESEARCH INVESTIGATOR

As a key member of our Pharmacology Department, the selected individual will be responsible for designing, conducting and supervising the in vivo studies of bone physiology, pathophysiology and pharmacology within our osteoporosis drug discovery research program.

Background must include a degree in a health-related or scientific discipline. Experience with bone histomorphometry, bone densitometry and biochemical markers of bone formation and resorption is required.

Please refer to Job # 91168205-SC on all resumes.

POST-DOCTORAL SCIENTIST

Bioanalytical Separations

This position will involve research into novel, high-resolution separation techniques such as two-dimensional chromatography and capillary isoelectric focusing. Individual will apply these techniques to the characterization of complex mixtures of biological macromolecules. Publication of results is strongly encouraged.

The successful candidate will have a Ph.D. in Chemistry or Biochemistry with a strong background in bioanalytical separations and instrumentation. Publication of results is strongly encouraged.

Please refer to Job #89141-R-SC on all resumes.

Join Glaxo and enjoy excellent salaries, flexible benefits, an on-site recreation and fitness center, a spirit of enthusiasm and teamwork and outstanding opportunities for career satisfaction. Equally appealing is our world-famous scientific, industrial and academic community in Research Triangle Park, NC. Send your resume, INDICATING THE CORRESPONDING JOB # and salary history, to: Human Resources Department, Glaxo Inc., P.O. Box 13398, Research Triangle Park, NC 27709. (No Phone Calls or Agency Referrals, Please.) An Equal Opportunity Employer M/F/H/V.

Glaxo Inc.
California Institute of Technology

The James Irvine Foundation Minority Postdoctoral Fellowship

In accordance with the California Institute of Technology’s policies to promote diversity among scientists, we announce a grant award from The James Irvine Foundation to support postdoctoral fellowships for American citizens who are members of minority groups. Combined with support from Caltech, this grant provides funding for two fellowships each year, each with an annual stipend of $37,000, and additional research and travel funds. The duration of this appointment will be for no more than three years, beginning with 1992-93 academic year. Fellows are eligible to participate in Caltech’s health and dental program.

The James Irvine Foundation Minority Postdoctoral Fellowship was established to help increase the representation of minorities in the sciences and engineering. It is available to those who have received their doctorate in the sciences or engineering and who are United States citizens and are members of the following groups: Native American, African American, Hispanic, Native Alaskan, or Native Pacific Islander, and who otherwise qualify for Caltech’s financial aid program. Irvine Fellows will be selected in accordance with equal opportunity requirements.

Applicants should include a letter outlining desired field of research and a curriculum vitae. Three letters of reference should be submitted directly. All correspondence should be addressed to:

James Irvine Fellowship Search Committee
California Institute of Technology
Mail Code 210-31
Pasadena, California 91125

Completed applications with references should arrive at Caltech before May 15, 1992.

Fellowship candidates will automatically be considered for other available postdoctoral positions at Caltech in their fields of interest.

Positions Open

ASSISTANT PROFESSORSHIP PLANT BIOLOGY
HARVARD UNIVERSITY

The Department of Organismic and Evolutionary Biology of Harvard University seeks applications and nominations for two assistant professor positions in the following areas: plant molecular systematics, plant molecular genetics, and plant molecular development. The department is particularly interested in candidates who have interests in broad questions of phylogeny, evolution, or ecology. The appointees will be expected to teach at the graduate and undergraduate levels.

Applications should include curriculum vitae, statement of research and teaching interests, and three letters of recommendation and should be sent by 1 March 1992 to: Plant Searches, Department of Organismic and Evolutionary Biology, 76 Oxford Street, Cambridge, MA 02138.

Harvard University is an Equal Opportunity/Affirmative Action Employer. We especially invite women and underrepresented minorities to apply.

ASSISTANT PROFESSOR, DepartmenT OF UROLOGY, Northwestern University Medical School, faculty position in a basic science discipline starting 1 August 1992. Candidate should have Ph.D. and at least 2 years of postdoctoral experience. Incumbent is expected to study nonandrogenic role of testis in prostatic growth using molecular biology techniques. Applicants should send résumé and names of three references by 11 March 1992 to: Dr. Chung Lee, Department of Urology, Northwestern University Medical School, 303 East Chicago Avenue, Tarry 11-718, Chicago, IL 60611-3008. Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ASSISTANT PROFESSOR OF TOXICOLOGY/ASSISTANT EXTENSION TOXICOLOGIST, an 11-month tenure-track appointment, 85% extension and 15% teaching, available 1 July 1992. Ph.D. or equivalent with training and research in toxicology and a strong background in biochemistry and biology are required. All areas of extension toxicology will be considered but we are particularly interested in the effects of agrochemicals in the following areas: worker safety and public health; molecular epidemiology; ecological toxicology. The person will be the interface between the University of California system and clientele particularly in southern California. Teaching responsibilities will be an undergraduate course in ecological effects of environmental toxicants or the impact of environmental toxicants on human health. Supervision of graduate students in the Environmental Toxicology Graduate Program is encouraged. The academic appointment will be in the Department of Entomology which administers the program. Send curriculum vitae, statement of teaching and research experience, three letters of reference, statement of research interests, and names and addresses of five referees to: Dr. L. K. Gaston, Environmental Toxicology Program—WHE, University of California, Riverside, CA 92521. Telephone: 714-787-5427; FAX: 714-787-3087. Applications will be accepted until 1 April 1992. The University of California is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR WILDLIFE/POPULATION DYNAMICS. Tenure-track position in the Wildlife Department. Ph.D. required at time of appointment. University teaching experience preferred. Candidates must have expertise in population dynamics of mammals and birds as well as the appropriate background in such courses as wildlife population ecology, design and analysis of wildlife studies (applied statistics, especially ANOVA), ornithology, and wildlife techniques. Candidates must demonstrate a background in wildlife management, an understanding of the dynamics of exploited populations, and research experience in avian population dynamics. Candidates should have a strong background in applied mathematics and statistics and have the ability to analyze data. Submit curriculum vitae (including list of publications, professional work, reprints and statements of research interests, and three letters of reference to: Dr. Richard T. Golightly, Chair, Department of Wildlife, Humboldt State University, Arcata, CA 95521. Telephone: 707-826-3983; Closing date is 15 March 1992. Humboldt State University is an Equal Opportunity/Affirmative Action/TitIX Employer.

SCIENCE, VOL. 255
POSITIONS OPEN

VETERINARY PHARMACOLOGIST/PHYSIOLOGIST

A faculty position is available in the Department of Veterinary Physiology and Pharmacology, College of Veterinary Medicine, Texas A&M University. This ASSISTANT PROFESSOR level position is a tenure-track appointment. This position is open to individuals with a D.V.M. and/or Ph.D. or equivalent degrees. Clinical experience is desirable. Salary will be commensurate with qualifications and experience.

The Department of Veterinary Physiology and Pharmacology includes over 20 faculty and other professionals and has two primary missions, teaching and research. Within the professional curriculum, this department is responsible for physiology, pharmacology, and toxicology. The successful candidate will have primary responsibilities in teaching, pharmacology/physiology within the undergraduate and postgraduate curricula. Independent or collaborative research is required for promotion and tenure. Within the department, research interest is largely focused in cardiovascular physiology, veterinary and environmental toxicology, reproductive physiology, and clinical pharmacology.

For maximum consideration, applicants should submit a letter of intent, curriculum vitae, and the names of three references by 20 March 1992 to: Dr. David Hood, Department of Veterinary Physiology and Pharmacology, Texas A&M University, College Station, TX 77843-4466.

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

ASSISTANT RESEARCH SCIENTIST (ASSISTANT PROFESSOR, NON-TENURE TRACK)/POSTDOCTORAL FELLOWS

We are looking for intellectually aggressive and curious individuals to join a small group of highly motivated scientists to study invasive/proteolytic mechanisms used by normal and neoplastic cells during transendothelial cell migration (e.g., J. Clin. Invest. 83, 122 (1989); N. Engl. J. Med. 320, 365 (1989); Science 249, 178 (1990); Science 254, 99 (1991)). Background in endothelial cell-extracellular matrix biology/molecular biology or cell motility preferred. Applicants for this position must be U.S. citizens or permanent residents of the United States. Submit curriculum vitae and two letters of reference to: Dr. Stephen J. Weiss, Upjohn Professor of Medicine and Oncology, University of Michigan, 3570 MSRB II, 1150 West Medical Center Drive, Ann Arbor, MI 48109-0668.

PHYSICIAN FOR CLINICAL DRUG TRIAL CONSORTIUM: Newly established Alzheimer Disease Clinical Trials Study Unit is seeking a physician with background and experience in clinical trials and biostatistics to work on the development of psychometric test instruments and clinical drug trials for patients with Alzheimer's disease. Individuals trained in neurology, psychiatry, internal medicine and family medicine will be considered. Recruitment will be at the clinical or assistant professor level as determined by background and experience. The position is grant-funded and through the University of California at San Diego (UCSD). Send letter of interest and curriculum vitae to: Dr. Leon Thal, Neurology Service (127), VA Medical Center, 3550 La Jolla Village Drive, San Diego, CA 92161. Applications received by 31 March 1992 will be considered. UCSD is an Equal Opportunity/Affirmative Action Employer.

CELLULAR/MOLECULAR CARDIOVASCULAR SCIENTISTS. The Department of Physiology and Pharmacology at Bowman Gray School of Medicine has two tenure-track positions available at the ASSISTANT OR ASSOCIATE PROFESSOR level. Individuals with expertise in cellular/molecular approaches to research on the circulation will be encouraged to apply. Rank, salary and space will be commensurate with qualifications. Send curriculum vitae and names and addresses of three references to: Dr. David Bueja, Search Committee, Department of Physiology and Pharmacology, Bowman Gray School of Medicine, Wake Forest University, Medical Center Boulevard, Winston-Salem, NC 27187-1083. Respond before 1 March 1992. Affirmative Action/Equal Opportunity Employer.
VISITING ASSISTANT PROFESSOR DEPARTMENT OF BIOLOGICAL SCIENCES THE UNIVERSITY OF TEXAS

The Department of Biological Sciences at The University of Texas at El Paso is seeking to fill the position of Visiting Assistant Professor beginning September 1992. This appointment will be for 2 years depending on availability of funds with the possibility of renewal for a third year. The individual selected for this position will be expected to teach in the Microbiology and Introduction to Biology courses. The individual will also be expected to participate in one or more of the ongoing research programs in the Minority Biomedical Research Support Program. A list of areas of research opportunities will be provided upon request. Preference will be given to individuals whose background and training is in molecular biology/recombinant DNA technology. Qualified applicants should forward their curriculum vitae and names of three references to: Dr. Pablo Areazap, Department of Biological Sciences, The University of Texas at El Paso, El Paso, TX 79968-0819. The university is an Equal Opportunity/Affirmative Action Employer.

EAST TENNESSEE STATE UNIVERSITY

ASSISTANT/ASSOCIATE PROFESSOR in Department of Microbiology for Ph.D. molecular biologist. Research experience and applications in regulation of gene expression, carcinogenesis, and molecular oncology. Area of research might be in any one of the department's strengths: physiology, regulation of cell function, regulation of viral genes and microbial pathogenesis. Applicants must apply molecular and cellular techniques. Successful candidates should have Ph.D. or M.D. degrees, postdoctoral research experience, and a commitment to teaching and graduate student training. The department will assist the faculty member to establish a vigorous independent research program with technical resources and start-up funds. The candidates will be required to develop a course or contribute to an existing course. Submit curriculum vitae, statement of research interests, and three references to: Dr. Donald A. Martz, Chairman, Department of Microbiology, James H. Quillen College of Medicine, East Tennessee State University (ETSU), Box 70579, Johnson City, TN 37614-5079. ETSU is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT OR ASSOCIATE PROFESSOR BIOCHEMISTRY/MOLECULAR BIOLOGY

The Department of Biochemistry at the Uniformed Services University of the Health Sciences (USUHS) invites applications for two 12-month salaried tenure-track positions available in 1992. Outstanding candidates in all areas of biochemistry and molecular biology are encouraged to apply. Candidates at the assistant professor level should be expected to have completed the Ph.D. and will be expected to develop a vigorous basic research program. Applicants for associate professor should have an ongoing program of research and teaching experience. Faculty will participate in the training of medical and graduate students. Please send curriculum vitae, reprint of two to three publications, a statement of future research plans, and at least three letters of recommendation by 5 March 1992 to: Department of Biochemistry Search Committee, c/o Uniformed Services University of the Health Sciences, Civilian Personnel Office (L.D./BIOCHEM), 4301 Jones Bridge Road, Bethesda, MD 20814. USUHS is an Equal Opportunity Employer.

ASSISTANT/ASSOCIATE PROFESSOR PULMONARY CELL MECHANICS

The Department of Anesthesiology at Northwestern University Medical School is seeking to fill a tenure-track appointment in the area of pulmonary cellular response to mechanical stimuli and injury. The successful candidate should have a strong background in cell biology and an interest in collaborating with pulmonary biomechanics researchers. Both physician-scientists and Ph.D. trained candidates are considered. Send curriculum vitae, names of three references and a letter outlining research interests and plans to: Dr. James B. Groebner, Ph.D., Division of Anesthesia, Northwestern University Medical School, 303 East Chicago Avenue, Chicago, IL 60611. Northwestern University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

VISITING ASSISTANT PROFESSOR RADIATION ONCOLOGY

The Department of Radiation Oncology and the Cancer Center at the University of Alabama at Birmingham is currently recruiting talented and energetic radiation biology or tumor biology. The rank of either assistant professor, associate professor or research associate professor will be determined by the level of expertise and the years of experience. It is anticipated that the successful candidate will have an interest in tumor vasculature, radiolabeled antibody imaging, bone marrow protection with cytokines or targeted drug delivery. Candidates should submit complete curriculum vitae to: Merle M. Salter, M.D., Radiation Oncology, University of Alabama at Birmingham, 619 South 19th Street, Birmingham, AL 35233. An Affirmative Action/Equal Opportunity Employer.

FACULTY POSITIONS IN BIOCHEMISTRY AND MOLECULAR BIOLOGY

The Department of Biochemistry and Molecular Biology of Louisiana State University Medical Center (LSUMC) in Shreveport invites applications for tenure-track faculty positions at the rank of ASSISTANT, ASSOCIATE or FULL PROFESSOR. The department and other biomedical researchers are undertaking a major expansion in both faculty size and research space. A ten-story biomedical research institute is currently under construction at LSU. Successful candidates should have a Ph.D. or M.D. degree, postdoctoral research experience, and a commitment to teaching and research. Applicants should apply with a letter, curriculum vitae, and three letters of recommendation. Submit applications to: Robert B. Rhoads, Ph.D., Head Department of Biochemistry and Molecular Biology LSU Medical Center, P.O. Box 33932 Shreveport, LA 71118-3932. LSUMC is an Equal Opportunity/Affirmative Action Employer.

SALEM-TEIKYO UNIVERSITY FACULTY POSITION MOLECULAR GENETICS

The Department of Natural Science and Mathematics has two positions open for highly qualified Ph.D.'s in molecular genetics and molecular microbiology. There are two initial positions in a newly developed undergraduate major in molecular biology/biotechnology. One position at the FULL PROFESSOR level is for a senior faculty member with experience in developing and teaching a graduate research program. The second position, ASSISTANT OR ASSOCIATE PROFESSOR level depending on experience is for a Ph.D. with postgraduate experience. Teaching will include molecular genetics, cell biology, biochemistry, immunology and applied biotechnology. The candidate is encouraged to develop his/her own research program. Research facility and research support are available.

Send curriculum vitae with three references to: Chair, Search Committee, Salem-Teikyo University, P.O. Box 500, Salem, WA 98246.

UNIVERSITY OF CAMBRIDGE UNIVERSITY LECTURER (VIROLOGY) IN THE DEPARTMENT OF PATHOLOGY

University lecturer to take up appointment on 1 October 1992 or as soon as possible thereafter. The successful candidate should have a Ph.D. or equivalent degree, and experience in teaching in the field of virology and infectious diseases. This will be expected to take part in teaching of basic virology to science students and preclinical and medical students and to engage in research on some aspect of the replication or pathogenesis of viruses. Stipend: £16,432 to £25,343.

Further information and application form from: The Secretary, Appointments Committee, 12 Trumpington Street, Cambridge CB2 1QA, United Kingdom. Telephone: 0223 334999. Fax: 0223 332355. Closing date: 15 March 1992. The university follows an E30/A1992. The university follows an Equal Opportunity policy and has a policy on arrangements for part-time work.

UNIVERSITY OF MISSOURI KANSAS CITY FACULTY POSITION IN BIOCHEMISTRY

Applications are invited for a tenure track position in biochemistry at the University of Missouri-Kansas City. The successful candidate will be expected to develop an active, independent, research program using contemporary molecular approaches to the study of protein folding and/or the role of the environment on protein stability. The successful candidate will be expected to develop and maintain an active research program in the area of molecular biology. Preference will be given to individuals who have had experience in one or more of the following areas: protein folding, environment-dependent protein stability, and protein misfolding. The successful candidate should have a Ph.D. degree, and postdoctoral experience. Applications should include a vita, letter of application, statement of research interests, and three letters of reference. Submit applications to: Dr. Yoram Bialof, Department of Chemistry, University of Missouri-Kansas City, 201 North Ellis Street, Kansas City, MO 64110. University of Missouri-Kansas City is an Affirmative Action/Equal Opportunity Institution.

MISSISSIPPI RIVER ECOLOGIST, ASSISTANT, ASSOCIATE OR FULL PROFESSOR. The biology department at Winona State University invites applications for a "big picture" biologist for a tenure-track position in the area of Mississippi River Ecology. Responsibilities will be to develop a course in Mississippi River Ecology and to teach one or two other courses such as environment conservation and other courses consistent with the candidate's training. This position requires previous research experience in some aspect of the river system and the ability to develop an ongoing, field research program involving undergraduate students on the Mississippi River. Collaboration with communities, organizations, and agencies concerned with the river ecosystem is expected. Salary is dependent on qualifications and experience. Applicants should send (1) a letter of application stating teaching and research interests, (2) curriculum vitae, and (3) a list of four references (names, addresses and telephone numbers) from whom letters of recommendation have been requested to: Mississippi River Ecology Search, Eaffe Acive Action Office, Winona State University, P.O. Box 5838, Winona, MN 55987-5838. Consideration of applications will begin after 1 October 1992. Position may involve off-campus teaching. Affirmative Action/Equal Employment Opportunity. Women, minorities and disabled individuals are encouraged to apply. Winona State University is an Affirmative Action/Equal Opportunity Institution.

CHICAGO PEDIATRIC DENTISTRY. Full-time position available 1 September 1992. D.M.D./D.D.S. degree required together with Board eligibility or certification, Ph.D. preferred. Candidate should demonstrate a strong commitment to research and scholarship. Appointment at the associate level requires a demonstrated record of funded research activity. Salary competitive with start-up funds available. Deadline for application is 15 March 1992. Send curriculum vitae until the positions are filled. Submit curriculum vitae, summary of current and future research, and names of three references to: Dr. Dan R. Nathanson, BUSGD, 609 Albany Street, 6th floor, Boston, MA 02118.
Motivation. Determination. Dedication.

Our work ethic hinges entirely upon the principles behind self-motivation and self-determination. We respect your potential, giving you the resources to make a powerful impact on pharmaceutical research. We're expanding our R&D facility, proving our strong financial commitment to growth. Our most compelling catalyst for discovery is you.

Virologist, HIV Will participate in ongoing research and discovery programs. Ph.D. in Biochemistry, Molecular Biology or related discipline and at least 2 years' Post-Doctoral experience required, along with P3 lab management and research experience with the HIV virus. Excellent oral and written communication skills and supervisory potential also required. **Code: MH-207-S**

Virologist, Influenza Will participate in ongoing research and discovery programs. Ph.D. in Biochemistry, Molecular Biology or related discipline and a minimum 2 years' Post-Doctoral experience required, along with research experience with the Influenza virus. Excellent oral and written communication skills and supervisory potential required. **Code: MH-206-S**

Scientist, Molecular Biology Will participate in the assaying of inhibitor compounds for HIV. BS or MS degree in Biological Sciences or equivalent required. Must also have experience in laboratory science/techniques and research in P3 containment conditions. Strong aptitude for learning new techniques and meticulous laboratory practices a must. **Code: MH-208-S**

Post-Doc, Molecular Biology Strong graduate research background in molecular biology, virology, immunology or genetics. **Code: MH-PD-S**

Located in Ridgefield, CT, we offer the beauty of country living with the hustle and bustle of New York City only an hour away. We also offer excellent salaries, one of the best relocation programs in the industry for qualified positions and a full range of research and development capabilities. Please specify the appropriate job code from above and send your resume in confidence to: Dept. (job code #), Boehringer Ingelheim Pharmaceuticals, Inc., 900 Ridgebury Road, P.O. Box 368, Ridgefield, CT 06877. As a progressive healthcare company, we have a nonsmoking environment.

Ph.D. Environmental Toxicologist

The Procter & Gamble Company has an immediate opening for a Ph.D. Environmental Toxicologist in its Environmental Safety Department at the Ivorydale Technical Center, Cincinnati, Ohio.

The position offers a unique combination of environmental research, project management, and risk assessment opportunities. The opening requires an individual with the ability to develop, direct, and implement state-of-the-art research programs to evaluate the potential effects of consumer product ingredients in aquatic and terrestrial environments. These compounds may reach the environment as components of sewage effluents and sludges and as components of municipal solid waste compost. Experience in terrestrial toxicity, i.e., effects on soil properties, plants, or free living organisms, would be an asset.

The successful applicant will work on a team with other environmental toxicologists, microbiologists, chemists, and engineers. Must be highly motivated with demonstrated research, leadership and communication skills.

Procter & Gamble is a world leader in the research, development, and manufacture of consumer products. Sales last year were $27 billion, and R&D budget was $786 million. We offer competitive salaries, a benefits package in the top 5% of U.S. firms, and excellent opportunities for personal and professional growth. Applicants must be presently authorized to work in the U.S. on a full-time basis.

Send resume, a list of publications, and a statement of career goals to:

**Dr. N. G. Howell, Manager**
**Ph.D. Recruiting**
**Environmental Toxicology Position, Dept. DV**
**The Procter & Gamble Company**
**Miami Valley Laboratories**
**P.O. Box 398707**
**Cincinnati, Ohio 45239-8707**

Procter & Gamble is an Equal Opportunity Employer.
BIOCHEMISTRY/FACULTY POSITION
TEMPLE UNIVERSITY
SCHOOL OF MEDICINE

Applications are invited for two tenure-track positions at the Associate Professor or full Professor level starting after 1 September 1992. The department seeks a molecular biologist/biochemist with outstanding potential who is investigating hormone action, signal transduction, and a molecular biologist/biochemist with research interests in membrane structure/function relationships. These positions are part of an expanded departmental teaching program for medical, dental and graduate students and to develop a strong, externally funded research program. The department is well equipped and all members are engaged in ongoing NIH funded research projects. A joint appointment with the Fels Institute for Cancer Research and Molecular Biology is possible. Applicants should submit before 15 April 1992, (1) curriculum vitae, (2) a brief statement of research interest and plans, (3) three page vignettes of recent publications, and (4) the names, addresses of three references to: Chair, Search Committee, Department of Biochemistry, Temple University School of Medicine, 3420 North Broad Street, Philadelphia, PA 19140. Temple University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR or FULL PROFESSOR OF ENOLOGY and ASSOCIATE, ASSOCIATE or FULL CHEMIST in the AGRICULTURAL SCIENCE AND TECHNOLOGY DIVISION: WINE CHEMIST. Applicants are sought for an 11-month tenure-track position available 1 July 1992. The appointee will be expected to teach an undergraduate course in wine chemical analysis, develop a graduate course and research program focusing on development of methods for analysis and identification of trace components in wines, supervise graduate students and advise graduate/undergraduate students. Requires a Ph.D. in agricultural chemistry, biochemistry, chemistry or forestry. Postdoctoral experience in HPLC, GC and related techniques. Send curriculum vitae, publication list, reprints, statements of research and teaching interests, and names of three referees by 15 April 1992 to: Professor Donald N. Lebert, Chair, Search Committee, Department of Agricultural Science and Technology, Temple University, Philadelphia, PA 19122. Temple University is an Equal Opportunity/Affirmative Action Employer.

PROFESSOR OF NUTRITIONAL BIOCHEMISTRY/DIVISION/DEPARTMENT CHAIR. (Tenure-track, calendar year position). Temple University is seeking a full professor level professional to contribute to the department's graduate education, or a closely related discipline, administrative experience, teaching experience in human nutrition preferably at both the graduate and undergraduate level and an extramural research record. Applicants are encouraged to submit a record of successful external grant support in nutritional biochemistry as related to health issues required. The successful candidate must demonstrate strong communication ability and effective interpersonal skills, and a record of professional activity in national organizations such as the American Institute of Nutrition, the American Dietetic Association or the Institute of Food Technologists. The candidate must have experience at the postdoctoral level, preferably 12 to 15 years, and must be qualified for appointment as a full professor level professional with demonstrated leadership and administration ability and experience in a department. Applicants must have a Ph.D. in biochemistry, nutrition, or related fields, as well as a background and research interest in human nutrition. Salary commensurate with experience. Submit a letter of application, resume and three letters of reference to: Jeffrey Greene, Search Committee Chair, Position #190176, The University of Rhode Island Agricultural Science, Kingston, RI 02881. An Equal Opportunity/Affirmative Action/Equal Employment Opportunity Employer.

DIRECTOR OF RESEARCH
Applications are invited for the position of director of research in the Department of Obstetrics and Gynecology at the Albert Einstein Medical Center. The successful candidate will develop an independent research program, supervise and coordinate research and participate in teaching programs for medical students and resident physicians. Well-equipped laboratories, a rich computer support system, access to the Temple University School of Medicine is available. Candidates must have a Ph.D. degree, several years of productive experience and an interest in molecular or cellular biology as related to reproductive function. Applications should include curriculum vitae, statement of research interests, copies of recent publications, and names of three references to: Dr. Sue-Ya Yeh, Chairman, Department of Obstetrics and Gynecology, Klein POB Suite 410, Albert Einstein Medical Center, 5401 Old York Road, Philadelphia, PA 19141.

DIRECTOR, DIVISION OF BIOMEDICAL MARINE RESEARCH, Harbor Branch Oceanographic Institution, to lead a multidisciplinary team of over 20 scientists in the design, implementation and supervision of research programs in marine, biological and environmental sciences. Responsibilities include fund raising, grant writing, and the management of a $2 million budget. Applicants should have a Ph.D. and ten years of experience in marine research with at least one position as a section leader. Salary is commensurate with experience. Applications are invited for a tenure-track position available 15 July 1992. Send curriculum vitae, a concise list of research contributions, and names of three references to: Dr. Steven A. Davis, Director, Harbor Branch Oceanographic Institution, 5600 Old Dixie Highway, Fort Pierce, FL 33454. Equal Employment Opportunity/Affirmative Action Program.

DIRECTOR, INSTITUTE FOR CIRCUMPOLAR HEALTH STUDIES (ICHS), UNIVERSITY OF ALASKA ANCHORAGE (UAA)
Responsibilities include: Lead the development of research and scholarship in health-related projects in Alaska and programs with circumpolar countries, including the development and acquisition of extramural funding; and teach one course each semester in a biomedical or health-related area. Qualifications: A Ph.D., D.P.H., or M.D. in biomed- ical or health-related field with executive leadership and communications skills. Applicants must submit a resume and list of publications to: Dean, College of Liberal Arts, University of Alaska Anchorage, Anchorage, AK 99508. Telephone: 907-786-4608. UAA is an Affirmative Action/Equal Opportunity Employer and Educational Institution.

OBERLIN COLLEGE
The Biology Department invites applications for a noncontinuing position beginning 1 July 1992 or 1 February 1993. The position has been authorized for one semester or part-time for both semesters. The incumbent will teach neuroanatomy (fall semester) or developmental biology or another advanced laboratory course (spring semester) and one introductory laboratory course. The incumbent must have a Ph.D. in biology and demonstrate potential in undergraduate teaching and have a teaching load of 15 credit hours for each semester. Salary competitive with other positions. Submit a letter of application, curriculum vitae, and three letters of reference to: Professor David M. Egloff, Chair, Biology Department, Oberlin College, Oberlin, OH 44074 by 16 March 1992. Application materials will be kept on file until the position is filled. FAX: 216-772-8960. Equal Opportunity Employer/Affirmative Action.

SCIENCE welcomes placement of line classified ads by Fax. Please include name and telephone number for four confirmation call when transmitting ad to:

FAX NUMBER: 202-682-0816

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

MICROBIAL ECOLOGIST. The Department of Biology at the University of Southwestern Louisiana (USL) invites applications for a tenure-track position in support of the doctoral program in environmental and evolutionary biology. We seek individuals with broad training in microbiology with research interests in aquatic and terrestrial microbial ecology. Faculty biology faculty are expected to develop an active research program, seek extramural funding and participate in teaching undergraduate education. Research interests of the biology faculty range from molecular to ecosystem studies and a master's and doctoral program. Salary is competitive with a well equipped Electron Microscopy Center and a Center for Advanced Computer Studies. Other resources include the Primate Research Center, the Center for Crustacean Research, and the Louisiana University Marine (LUMCON) marine laboratory and research vessels, and affiliation with the U.S. Fish and Wildlife Service's National Wetlands Research Center. Applicants should submit curriculum vitae, a concise statement of research goals, and the names, addresses and telephone numbers of three references by 1 March 1992 to: Keith R. Smith, Department of Biology, University of Southwestern Louisiana, Lafayette, LA 70504-2451. Applications will be reviewed starting 1 March 1992 and the position is filled. Affirmative Action/Equal Employment Opportunity.

BIOLOGY. Entry level, tenure-track position with major teaching responsibility in human anatomy and physiology. Ph.D. required, teaching load 15 credit hours per quarter. Augusta College is a 5000-student, senior citizen university of the University of Georgia. Review of applications will begin on 9 March 1992. Send curriculum vitae, a statement of teaching philosophy, and names and addresses of three references to: Dr. John B. Black, Department of Biology, Augusta, GA 30910. Augusta College is an Affirmative Action/Equal Opportunity Employer and specifically invites and encourages applications from women and minorities.


POSTDOCTORAL POSITION available now for 2 years to study unorthodox secretion and developmental function of a vertebrate laminin-binding lectin. Projects involve molecular genetic manipulation of a protein expression in cultured cells lines, purification and characterization, and immunohistochemistry. Send curriculum vitae, brief research summary, and three letters of reference to: Dr. Douglas N. W. Cooper, LPP1-Box F, University of California, San Francisco, 401 Parnassus Avenue, San Francisco, CA 94143-0984.

A POSTDOCTORAL POSITION to study the interaction of protein kinase C with its intracellular receptor is available immediately. Fellowship is $27,000 to $30,000 per year. Applicants must include current curriculum vitae, summary of research experience and names of references to: Dr. Daria Mochly-Rosen, University of California, San Francisco, San Francisco General Hospital, Building 1, Room 101, San Francisco, CA 94110. An Equal Opportunity Employer.

Submit your resume to: Science for Educators, 1155 16th St., N.W., Washington, D.C. 20036.
The Clear Relationship Between Business and Science

In a biotechnology company, it's vital to balance scientific expertise with management ability. Without the proper combination of both, the vision will never become a reality. At Immulologic, we are savvy enough to make it work. We're a biopharmaceutical company developing products to treat allergies and autoimmune diseases. We'll be bringing CATVAX, our first product to human clinical trials this year, with others to follow in our ALLERVAX product family. If you'd like to work where science goes beyond theory and potential, join us.

ScienTists/R&D

Manager of Peptide Chemistry

Establish large-scale peptide synthesis capability; and develop scalable and reproducible processes for the production of peptide drugs under GMPs. Requires a Ph.D. in Chemistry or a related field; 6+ years' experience in synthetic peptide chemistry; and management/supervisory experience. Industrial experience in large-scale peptide synthesis is highly desirable. Dept. D/MPC.

Peptide Chemist

You'll perform small-scale peptide synthesis and purification, and identification/optimization of preclinical candidate peptides; synthesize radiolabeled peptides; establish large scale peptide synthesis capabilities; and develop scalable processes for production of peptide drugs under GMPs. Requires a Ph.D. in Chemistry or a related field; and 4+ years' experience in synthetic peptide chemistry; supervisory experience is preferred. Dept. D/PC.

Protein Chemistry

You'll study the purification and characterization of allergen and other biologically active molecules. Requires a Ph.D., 6 years' postdoctoral experience, and experience in HPLC purification. Dept. D/PC.

Biochemistry/Immunology

Requires a Ph.D. in Biochemistry; and 2 years' postdoctoral experience, including immunology and the characterization of allergens for diagnostic development. Experience in the analysis of antigen-antibody interaction, hybridoma tissue culture and immunoassay development is preferred. Dept. D/VIU.

Purification Biochemist

With responsibility for protein and peptide purification, you'll identify and optimize product candidates; and develop purification schemes for scale-up and manufacturing under GMP. Requires a Ph.D. in Biochemistry or a related discipline; 2 years' experience in HPLC purification; and 4+ years' postdoctoral experience in protein/peptide chemistry, preferably in the biotech or pharmaceutical industry. Dept. D/IPB.

Immunologist

In addition to developing immunoassays to characterize peptides and protein allergens, (including IgE binding), you'll perform immunoassays, and assay optimization/validation — with responsibility for murine T cell proliferation assay to characterize peptide drugs. Requires: a Ph.D. in Biochemistry, or a related field; 2+ years' postdoctoral immunological research experience; and familiarity with Western blots, ELISA, RIA and tissue culture techniques. Experience in making hybridoma is preferred. Dept. DIMPC.

Immunology/Research

Scientist

Participating in epitope mapping for our ALLERVAX program, you'll analyze clinical research programs, define new programs in T cell energy and supervise technical staff. Experience in T cell (preferably human) immunology is essential: a Ph.D./M.D. and 3-5 years' postdoctoral experience in immunology or a related field; and working knowledge of T cell activation pathways are required. Dept. US.

Scientist/Sr. Scientist

Requires a Ph.D./M.D., extensive postdoctoral experience (4-10 years) in Immunology or a related field, and a management background. You'll participate in epitope mapping and clinical research for our ALLERVAX program; define new programs; supervise staff; and act as a liaison with clinicians. Experience in (preferably human) T cell immunology and cell biology is essential. Dept. US.

We're in a position to offer you exceptional opportunities and support for your professional stature, as well as an excellent compensation and benefits package. Please send your resume, referencing the department, to: Beth Block, Human Resources Manager, Immulologic Pharmaceutical Corporation, One Kendall Square, Building 600, Cambridge, MA 02139. An Equal Opportunity Employer.
Senior Research Investigator/ Drug Metabolism

Searle, a leader in pharmaceutical research, development and marketing, has an excellent opportunity for a Senior Research Investigator in the Drug Metabolism Section.

The candidate we select will use his/her skills to design and conduct metabolism and pharmacokinetic studies in animals and man. This position is also responsible for preparing reports that interpret data for internal use as well as for submission to regulatory agencies. As a member of project teams, the Senior Research Investigator will integrate his/her research with that of his/her colleagues in Product Discovery, Clinical and other departments within Research and Development.

The qualified applicant will have a Ph.D. in Pharmacology or related field and 2 – 5 years of experience in drug metabolism/pharmacokinetics.

Investigate the opportunities Searle has for you. Send your resume, in strict confidence, to: Searle, Human Resources, Dept. JS2, 4901 Searle Parkway, Skokie, IL 60077. An equal opportunity employer M/F/D.

Ph.D. Pharmacology, Microbiology or Physiology

SENIOR MEDICAL WRITER/EDITOR

The Bristol-Myers Squibb Pharmaceutical Research Institute is continuing to expand our extensive research efforts in the areas of cardiovascular, infectious, oncologic and metabolic diseases.

This is an exceptional opportunity for an individual who has a Ph.D. and 3 - 5 years medical writing/editing experience. Candidates should have a thorough understanding of product registration guidelines and regulations along with a demonstrated ability to analyze and interpret scientific data.

Your responsibilities will include supervising a project writing team, preparing integrated summaries/expert reports for regulatory submissions, and assuring compliance with Good Clinical Practices and worldwide product registration guidelines and regulations.

Please forward your resume and salary history to: Bristol-Myers Squibb Pharmaceutical Research Institute, Dept. 277-BB, P.O. Box 4000, Princeton, NJ 08543-4000. Equal Opportunity Employer, M/F/H/V.

---

Women in Science

13 March 1992

Recruitment Advertisers:
This career-related issue is the perfect environment for your recruitment message and an excellent way to reach Science's readership of nearly 1/2 million* scientific professionals.

Topics to be explored:
Women's Progress In Science
Mentoring
Networking
Career Advancement
Two Career Couples In Science

Take advantage of greater exposure by placing your full page ad in this special section featuring women in science. The traditional recruitment section is also available.

Bonus Distribution:
Association For Women In Science

Your recruitment ad will receive even more visibility in this issue which will be sent in a special mailing to the members of the Association For Women In Science.

Call Janis Crowley at:
212-496-7704 or 202-326-6532.

* Harvey Research Studies.
MOLECULAR BIOLOGIST

5 Prime → 3 Prime, Inc., a leader in the development of unique products for research in molecular biology and genetic engineering, is seeking a Senior Scientist for Research and Development.

The position requires a Ph.D. in Molecular Biology or closely related discipline with a minimum of 2 years postdoctoral training. We are seeking a creative, enthusiastic scientist to join an equally creative group of scientists developing advanced systems for genetics, microbiology, molecular immunology, and protein biochemistry.

5 Prime → 3 Prime, Inc. offers excellent professional growth opportunities and a competitive compensation package. The company, located in Boulder, Colorado, is within minutes of the University of Colorado and the magnificent front range of the Rocky Mountains. Boulder offers a matchless quality of life and unlimited opportunity for academic and cultural stimulation.

Send C.V. and 3 professional references to:

Randolph J. Hellwig, Ph.D.
Director, Research & Development
5 Prime → 3 Prime, Inc.
5603 Arapahoe Avenue
Boulder, CO 80303

BIOPHARMACEUTICS

The INTERx Department of Merck Sharp & Dohme Research Laboratories has an opportunity for a Ph.D. level scientist.

This senior level position requires a Ph.D. or equivalent in biopharmaceutics or other closely related discipline. The ideal candidate would have 1-3 years research experience with in vivo evaluation of dosage form performance, effects of formulation variables on in vivo drug release, and working knowledge of pharmacokinetics.

Excellent salary and benefit programs accompany this position at our modern research facility located on the West Campus area of The University of Kansas in Lawrence, Kansas, 35 miles from metropolitan Kansas City.

Please send letter of application, a current resume, academic transcripts, and names of 3 references to:

Personnel Manager
INTERx Research Corporation
MERCK & CO., INC.
2201 West 21st Street
Lawrence, KS 66047
An Equal Opportunity Employer, M/F/H/V

AN INVITATION
TO SUBMIT NOMINATIONS
FOR THE KING FAISAL INTERNATIONAL PRIZE IN SCIENCE

The General Secretariat of the King Faisal International Prize is pleased to invite universities & specialist research centers throughout the world to nominate qualified candidates for the King Faisal International Prize in Science. The topic for 1413 H. (1993) is:

"PHYSICS"

Nominations should meet the following requirements:

1. Nominees must have accomplished an outstanding academic work on the Prize topic, benefitting mankind and enriching human progress.
2. Submitted work must be original and published.
3. Only recognized educational or research institutions may make nominations.
4. Each nomination should include:
   a) an official letter to each nominee.
   b) a typed list of the nominee’s nominated works.
   c) a typed CV detailing the nominee’s academic background, experience and published works.
   d) ten copies of each submitted work.
   e) three colour photos 4" × 6".
   f) the nominee’s mailing address including:
      (1) office address, telephone number, telex & fax.
      (2) home address and telephone number.
5. Nominations will be evaluated by a Selection Committee consisting of highly recognized specialists in the topic.
6. More than one person may share the Prize.
7. The nominee’s submitted work will not be accepted if:
   a) any international organization has previously awarded a prize;
   b) it is a university degree;
   c) it is unpublished.
8. The nomination will not be accepted if:
   a) the nominee is dead;
   b) it is nominated by individuals or political parties.
   c) it does not meet all the prize conditions.
   d) it is received after the announced date.
9. The Prize consists of:
   a) a certificate in the winner’s name containing an abstract of the work that qualified him/her for the Prize;
   b) a gold medal;
   c) a sum of three hundred and fifty thousand Saudi Riyals, (approximately US$33,333).
10. The winner(s) name(s) will be announced in February 1993, and the Prize will be awarded in an official ceremony at a later date.
11. The latest date for receiving the complete nomination requirements will be September 1, 1992.
12. No nomination papers or works will be returned to the senders, whether or not the nominee was awarded the prize.
13. All correspondence must be sent by registered airmail to:

The General Secretariat
King Faisal International Prize
P.O. Box 22476, Riyadh 11495
Kingdom of Saudi Arabia

Tel 4652255
Tlx 404667 PRIZE SJ
Fax 4658685
Cable JAEZAH

The latest date for receiving the complete nomination requirements will be September 1, 1992.

No nomination papers or works will be returned to the senders, whether or not the nominee was awarded the prize.
POSTDOCTORAL POSITION
To study effects of HIV-1 on human brain cells in vitro in order to define underlying biochemical and molecular mechanisms for virus binding and alteration of phenotype and function of these cells as they relate to CNS AIDS and dementia. Stipend from $26,220 depending on training and experience. Send curriculum vitae and three letters of reference to: Dr. Joan E. Merrill, Department of Neurology, Reed Neurological Research Center, University of California Los Angeles (UCLA) School of Medicine, 710 Westwood Plaza, Los Angeles, CA 90024-1076. A position is available for a postdoctoral fellow in molecular biology. Research experience in manipulating genes encoding antibiotic resistance and understanding the expression in mammalian cells is required. Ability to work with an interdisciplinary group consisting of biologists, chemists, and chemical engineers is essential. The position is available immediately. Send resume and contact information for three references to: MIT Personnel Department, 400 Main Street, Cambridge, MA 02139-2124. Please mention job #C92-004.

POSTDOCTORAL POSITION available immediately to study transcriptional responses induced by genotoxic stress. Studies will focus on the regulation of HIV-1 expression by genotoxic stress and on HIV-1 regulatory features shared with cellular stress responses. Salary range from $20,000 to $28,000 per annum, depending on experience. Send curriculum vitae and names of three references to: Dr. A.J. Fornace, Jr., Laboratory of Molecular Pharmacology, Building 822, National Institutes of Health, Bethesda, MD 20892. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to study the catalytic and regulatory properties of pterin-dependent hydroxylases. A combination of enzyme kinetics, spectrophotometry, and site-directed mutagenesis is being used to determine the mechanism of catalysis, the role of the active site iron, and the effects of phosphorylation on catalysis and structure. Ph.D. in biochemistry of related field required. Send curriculum vitae and names of three references to: Dr. Paul Fitzpatrick, Department of Biochemistry and Biophysics, Texas A&M University, College Station, TX 77843.


POSTDOCTORAL POSITION
LARVAL-FISH SYSTEMATICS
The School of Fisheries seeks candidates for a postdoctoral position (1 year, renewable), beginning 16 September, 1992, to assist in an NSF-funded effort to establish an archiving program and large as part of the Fish Collection of the University of Washington. The successful candidate will be expected to supervise a graduate student and to contribute to the study of early life history stages of North Pacific and Bering Sea fishes. Opportunities to conduct research and to assist in teaching will be provided. Candidates must have received an advanced degree in ichthyology, experience in computer database management and working with museum collections is required. Please send curriculum vitae, names of three references, and a statement of career objectives to: T.W. Pietsch, Curator of Fishes, School of Fisheries, HF-15, College of Ocean and Fishery Sciences, University of Washington, Seattle, WA 98195. Deadline for applications is 1 April 1992.

The University of Washington is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.
Senior Scientist/Cancer Research

Perform investigative research in the development of immune-based treatments for human neoplasms. Requires a broad background in cellular immunology, to include experience in mammalian cell tissue culture and immunological procedures. Advanced working knowledge of flow cytometry and ELISA. Strong publication record essential. Related PhD/MD and 5+ years’ post-doctoral experience preferred. Must be willing to work with biohazardous materials.

Senior Scientist/Cellular Immunology

Develop and perform experiments to isolate, characterize, and modulate autoimmune T cells. Requirements include PhD in Immunology or Biology, along with 5 years’ post-doc work and solid expertise in the mechanisms of autoimmune disease. A strong publication record is required, along with in-depth experience in tolerance induction. Knowledge of GLP a plus.

Postdoctoral Fellow

Two year assignment

Contribute to the development of optimal packaging systems for the production of recombinant AAV vectors. Involve using rAAV vectors to infect a variety of primary cell types. Requires a PhD in Biochemistry, Biology, or Molecular Biology, as well as experience in mammalian cell tissue culture and transfection. Knowledge of routine molecular biology procedures, and familiarity with recombinant viral vectors, to include AAV. Willingness to handle biohazardous materials essential. Knowledge of recombinant adenoviruses/retroviruses a plus.

To apply, please send your resume and salary history to: Professional Staffing, Applied Immune Sciences, Inc., 200 Constitution Drive, Dept. S-2/14, Menlo Park, CA 94025-1109. Principals only, please. EOE.

The Tumor Biology Center at the Albert-Ludwigs-Universität Freiburg, Germany invites applications for positions of

SCIENTIFIC GROUP LEADERS

In collaboration with the State of Baden-Württemberg, the Albert-Ludwigs-Universität Freiburg, companies of the pharmaceutical industry (Asta Medica, Frankfurt; Ciba-Geigy, Basel; Schering A.G., Berlin) private investors are establishing a new, independent Tumor Biology Center associated with the Freiburg University Hospital and Medical School. This joint project of private and state initiative will comprise a Cancer Therapy and Rehabilitation Hospital with 200 beds and a Cancer Research Institute. The Center will be inaugurated in 1993. The Research Institute will be devoted to basic and clinical cancer research, particularly studies on the regulation of cell growth through growth factors and hormones, the cellular processing of growth-stimulatory signals, the molecular basis of growth deregulation in transformed cells and rational approaches to counteracting the growth of tumor cells. The research activities of the Institute will be linked to the projects of the Cancer Therapy and Rehabilitation Hospital. These include projects in prophylaxis, early diagnosis and therapy of tumors in endocrine organs, tumor metastasis and clinical pharmacology.

Five independent research groups will be established. These groups will each be provided with salaries for the group leader, a postdoctoral fellow, doctoral students, technicians and laboratory expenses. The positions of the group leaders will require scientists with 3 to 5 years of postdoctoral experience in the fields of molecular and cellular biology, oncogene and tumor suppressor gene research or tumorimmunology and interest and ability to develop a research program relevant to the mission of the Tumor Biology Center. The applicants should be prepared to supplement their groups through competitive research grants. The appointments will initially be for 5 years with the possibility for "Habilitation" at the University of Freiburg.

The positions afford the opportunity to play a creative role in the establishment of a new institute based on the close collaboration between its scientific and clinical staff. The objective of the Center has been described in detail in Onkologie, Zeitschrift für Krebsforschung und Krebsbehandlung, Vol. 14, 141-445, 1991. The selection process for these positions will take place in the first half of 1992.

Please send your applications until March 30, 1992 to Dr. Bernd Groner, Tumor Biology Center, P.O. Box 1120, D-7800 Freiburg, Germany.
Natural Products Chemist

Today’s Monsanto is a company with an exciting future in high-value, high-performance products. This is an opportunity to be a part of our natural products screening program at Monsanto Corporate Research Laboratories.

You will be responsible for the isolation and structural elucidation of novel natural products with pharmaceutical and other biological activities. You will also be a liaison between screening personnel and operating company scientists.

Qualifications include a recent Ph.D in organic chemistry, a strong natural products background and experience with state-of-the-art separations technology. Extensive knowledge of complex structure elucidation using 2D NMR techniques, mass spectrometry and other spectroscopic techniques is required. Good communication and interpersonal skills are necessary.

Excellent salaries and benefits combine with the resources of a multi-billion dollar company and state-of-the-art research facilities to make this opportunity exceptionally attractive.

Please send your résumé with references to: Monsanto Company, Mail Zone BB5B-DD, Attn: J. B. Bussen, Manager, Human Resources, 700 Chesterfield Village Parkway, St. Louis, MO 63198. We’re an equal opportunity employer. M/F/H/V.

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

Monsanto

Peptidomimetic Research Chemist

A health care company that markets prescription and proprietary products for human and animal health care has an opening for a Peptidomimetic Research Chemist.

The specific duties of this position are: conceiving, planning and executing peptidomimetics chemical research aimed at (1) the synthesis, purification and characterization of targeted molecules and related organic intermediates in ongoing drug discovery efforts and (2) the design of biologically active molecules.

The minimum requirements for the position are a Master of Science degree, or an equivalent, in Chemistry and either one (1) year of experience in the job offered or three (3) years of experience in synthetic/organic chemical research which shall include experience in (i) the multi-step synthesis, purification and characterization of peptidomimetics and (ii) the use of modern spectroscopic techniques including IR, NMR, and MS. This experience may be acquired in conjunction with the required undergraduate and graduate education.

Salary of $39,483 with liberal employee benefits; M-F, 8am - 5pm. No fee charged. For prompt and confidential consideration, submit resume or C.V. to The Phila. Job Bank, 444 N. 3rd St. - 3rd Fl., Phila., PA 19123 and refer to Job Order Number 4427957.

Recruitment Advertisers

SAVE 25%

Running your recruitment advertisement once may not be enough. Place the same ad again within the next four issues and we will give you 25% off your second insertion.

- Get more attention
- Get more value
- Get more applicants

Reach the global scientific community you need to maximize your recruitment efforts. Science does it bigger and better and now Science does it at greater savings for you.

Call, write, or fax:
Science Classified Advertising
1333 H Street, N.W.
Washington, D.C. 20005
Phone: 202-326-6541/6555
Fax: 202-682-0816
Applications have viewed Annual record diovascular (approx. 11-point rentments, use chemical instrumentation, willing to work with low levels of Carbon-14. Experience in routine chemical research also desirable. Work entails assisting in the preparation of metal chelate linked monoclonal antibodies for use in tumor therapy. Candidate must have a Bachelor's Degree and two years experience or a Master's Degree with one year experience in doing chemistry.

Send Curriculum Vitae or, for further information:

Dr. Otto A. Gansow
National Cancer Institute
National Institutes of Health
Building 10, Room B3B69
9000 Rockville Pike
Bethesda, MD 20892
(301) 496-5936

NIH is an Equal Opportunity Employer

UNIVERSITY OF HONG KONG
Lecturer in Pharmacology
(Ref. 91/92-68)

Applications are invited for a Lectureship in the Department of Pharmacology. Applicants should possess a higher degree (a medical qualification at first degree level would be desirable) and have experience in teaching medical and dental undergraduates. A proven record of ongoing research, as evidenced by publications in reputable journals, especially in the area of cardiovascular pharmacology, will be viewed favourably.

Annual salary (superannuable) is on an 11-point scale: HK$309,120-516,480 (approx. US$1=HK$7.75 as at 8 January 1992). Starting salary will depend on qualifications and experience. At current rates, salaries tax will not exceed 15% of gross income. Housing at a charge of 7.5% of salary, children's education allowances, leave, and medical benefits are provided.

Further particulars and application forms may be obtained from Appointments (40242), Association of Commonwealth Universities, 36 Gordon Square, London WC1H 0PF, UK; or from the Faculty of Medicine, University of Hong Kong, 7 Sassoon Road, Pokfulam, Hong Kong (Fax (852)-9559742). Closes 18 March 1992.

MicroGeneSys is a recognized leader in the development of recombinant vaccines. Our AIDS therapeutic vaccine, VaxSyn®, is currently in multi-center studies around the United States and abroad. Rapid growth of our product portfolio has created an outstanding opportunity for qualified professionals who thrive in a dynamic, challenging environment.

We are seeking scientists for Director level positions in the following to lead this exciting work in the area of therapeutic and prophylactic vaccines.

Molecular Biology
We are looking for a highly motivated individual to direct the Molecular Biology department in developing commercial applications of recombinant DNA technology. The ideal candidate is expected to establish new technologies in molecular biology and to provide support to our current therapeutic and prophylactic vaccine programs.

Candidates should have broad experience with expression vector technologies, including E. coli, mammalian or baculovirus systems. Applicants should have a strong foundation in molecular biology and related techniques including construction of recombinant molecules, cloning, PCR technology, and oligonucleotide synthesis.

Qualifications include a Ph.D in Molecular Biology, Microbiology or Biochemistry with 5-10 years post-doctoral and/or industry experience.

Immunology
We are looking for an individual to build a dynamic Immunology department. The ideal candidate should have a strong background in T and B cell research, adjuvant formulation, and the use of animal models in vaccine development.

Candidates should also have hands-on experience in basic immunological and microbiological techniques, immunoassay development and hybridoma technology.

Qualifications include a Ph.D in Immunology with 5-10 years post-doctoral and/or industry experience.

Protein Chemistry
We are looking for a leader to direct activities for analytical to process-scale protein purification including purification design and methods of development. The ideal candidate will then transfer this technology to the production of pharmaceutical grade proteins. This position entails leading a strong research effort with an emphasis on the preparation of biologically active proteins for clinical trials and commercial development.

Candidates should have experience in HPLC, FPLC, and other conventional chromatographic techniques as well as basic methods for the analysis and separation of proteins. Responsibilities include purification and characterization of native soluble and membrane-bound recombinant proteins.

Qualifications include a Ph.D in Protein Chemistry, Biochemistry, or Chemistry with 5-10 years post-doctoral and/or industry experience.

Successful candidates for these positions must demonstrate the necessary creativity to design and to direct the development of new recombinant biopharmaceutical products. Experience in managing for the pharmaceutical or biotech industry is desirable. Ability to interact with upper management as well as technical and scientific staff is essential.

MicroGeneSys offers competitive salaries and benefits as well as significant growth potential. Our campus-like facility is located between Hartford and New Haven for convenient access to all of New England. Interested candidates should forward their curriculum vitae, in confidence, to:

MicroGeneSys, Inc.
1000 Research Parkway, Dept SC
Meriden, CT 06450-7159

MicroGeneSys is an Equal Opportunity Employer
Your college degree and minimum of 5 years related experience can help you win this key position with Carolinas Medical Center. Recognized for excellence in all facets of operation, our 777-bed teaching and research center is seeking a self-starter who shares our unwavering commitment to quality.

Broad-based challenges include overseeing day-to-day operation of the transmission electron microscopy lab, including staff supervision and record keeping. We will also look to you to assist with specimen fixation, embedding, sectioning and photomicroscopy. ESMA certification is preferred.

We provide an attractive salary/benefits package and a stimulating, supportive professional environment. Located in the dynamic city of Charlotte, NC, we can offer you a quality of life that's second to none. For prompt, confidential consideration, direct your resume to:

CAROLINAS MEDICAL CENTER
Human Resources
P.O. Box 32861
Charlotte, NC 28232
EOE

CAROLINAS MEDICAL CENTER

Microbiologist Organic Chemist

A petrochemical company is looking for a microbiologist with fermentation background and a synthetic organic chemist within its R & D Center in U.S.A. A qualified candidate should have a Ph.D. degree in the relevant fields with industrial experience.

We offer excellent benefits, relocation assistance and competitive salary commensurate with experience. If interested and qualified, send your resume in confidence to:

Dept. of Human Resources,
P.O. Box 10271
Fairfield, NJ 07004

NANOTECHNOLOGY
Reprint

Engineering a Small World:
From Atomic Manipulation to Microfabrication

This 42-page special section, reprinted from the 29 November issue of Science, is your entry to the expanding world of small-scale engineering. It's a field that spans microelectronics, materials science, chemistry, molecular biology, and microscopy. In this special section, ten illustrated articles by research leaders and by science journalists present the full scope of this small world.

For each copy, send $4.00 plus $.50 for postage to:

Science
Attention: Corrine Harris
1333 H Street, N.W.
Washington, DC 20005
Telephone: 202-326-6527
Fax: 202-682-0816

Visa and MasterCard orders accepted by

PROTEIN CHEMISTRY

ICOS Corporation is combining biotechnology and pharmaceutical sciences to form a powerful coalition for drug discovery. We are currently conducting studies on cell adhesion and signal transduction to develop new biopharmaceuticals for the treatment of a broad array of human inflammatory diseases.

We are seeking a Ph.D.-level scientist in Protein Chemistry proficient in synthesizing/sequencing peptides, performing amino acid analysis with demonstrated ability in the modification, separation and purification of peptides/proteins to lend technical support for our ongoing research efforts on the mechanisms of cellular adhesion and signal transduction. Experience in HPLC methods development, together with expertise in using automated and non-automated peptide sequence and synthetic technologies with their associated chemistry is essential.

ICOS is located in the Seattle area and offers competitive salaries and a benefits package that includes stock options, fully paid insurance benefits, and a 401(k) plan.

Send your resume to:

Director of Personnel
ICOS Corporation
22021 20th Ave SE
Bothell, WA 98021

ICOS Corporation is an equal opportunity employer.

THE ALEX G. NASON PRIZE
2-YEAR COMPUTATIONAL SCIENCE POSTDOCTORAL FELLOWSHIP at SYRACUSE UNIVERSITY

Application Deadline
Extended to March 15, 1992

The Alexander G. Nason 2-year postdoctoral fellowship encourages talented scientists to participate in the research of the Syracuse Center for Computational Science (SCCS) at Syracuse University. SCCS, directed by Geoffrey Fox, offers an interdisciplinary program where researchers use high performance parallel computers on scientific and industrial applications and develop hardware, software and algorithms.

The Alex G. Nason Prize, a 2-year computational science postdoctoral fellowship for 1992-93, will begin in either the Summer '92 or Fall '92 semester. Individuals who have been awarded a PhD in the past 3 years (Spring '89 or later) are eligible. Preference will be given to applicants who have demonstrated ability in interdisciplinary research, combining computer science with application areas. Current application areas of interest include Physics, Financial Modeling, Neuroscience, Aerospace Engineering and Virtual Reality. The parallel computing facilities of Syracuse University, including the Connection Machine CM-5, the DECmpp 12000, the nCUBE2, and the Encore Multimax will be available to the recipient. The Nason Prize for '92-93 will include a salary of $50,000 plus fringe benefits, a $5,000 annual research fund and a $5,000 departmental fund to assist the fellow with relocation, personal workstation support, conference travel, etc.

For more information, contact Betty LaPlante at (315) 443-1722 or send Email to bl@nova.npac.syr.edu. To apply, send a cover letter, curriculum vitae, and three letters of reference to Betty LaPlante, Support Coordinator, NPAC/SCCS, 111 College Place, Syracuse, NY 13244-4100. Materials must be postmarked on or before March 15, 1992. Syracuse University is an Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF FLORIDA
Vice President for Agriculture & Natural Resources

Applications and nominations are invited for the position of Vice President for Agriculture & Natural Resources, administrative head of the Institute of Food and Agricultural Sciences (IFAS), IFAS encompasses five major units: the College of Agriculture; the Agricultural Experiment Station; the Cooperative Extension Service; the School of Forest Resources and Conservation; and elements of the College of Veterinary Medicine. Within IFAS there are 2,000 students, some 900 faculty members located in 23 academic departments on the main campus, 13 administrative research and education centers throughout the state and extension offices in every county. A doctoral degree in an appropriate discipline and 10 years experience are required.

Nominations and applications should be submitted by April 15 to Mr. Malcolm Randall, Vice President Search Committee Chair, 226 Tigert Hall, University of Florida, Gainesville, FL 32611. The University of Florida is an Equal Opportunity, Affirmative Action Employer and the search is conducted in accordance with Florida's open meeting and "sunshine" law.

DIRECTOR
RESEARCH & DEVELOPMENT

Prestigious, multi-national corporation located in the upper Midwest is seeking a Director of Research & Development. We are a major developer of veterinary biological vaccines with annual sales of $150M with R & D budget of 15% of sales.

Candidates will direct a team of highly technical, successful scientists and project/department budget. To qualify, the candidate will have the following credentials:

1. Ph.D. in the biological sciences
2. Ten years experience managing R & D vaccine development project teams
3. Demonstrated success in licensing of vaccines domestically and internationally
4. Thorough knowledge of 9CFR regulations
5. Strong organizational and developmental skills

We offer a compensation package including executive bonus program plus an outstanding benefits program inclusive of relocation. Please submit your resume in complete confidence to:

NATIONAL RESEARCH SERVICE
Dept. 2 MP 68 - S
One Appletree Square
Minneapolis, MN 55425

Equal Opportunity Employer

UNIVERSITY OF TEXAS MEDICAL BRANCH

MOLLEULAR IMMUNOLOGIST

The Department of Microbiology and the Molecular Science Center at the University of Texas Medical Branch at Galveston, Texas (UTMB) are seeking an assistant professor to fill a tenure track faculty position at the Assistant Professor level. Qualified immunologists with a Ph.D., D.Sc., and/or M.D. are invited to apply. The individual would be expected to develop an independent research program focusing on the molecular biology of the immune response including studies on Ig/TcR proteins, antigen-MHC interactions, and the structure/function of proteins involved in lymphocyte activation. The applicant would also be expected to actively interact with the Molecular Science Center in studies of regulation of gene expression via secondary messengers or at the genomic level. This individual would have a joint appointment in the Department of Microbiology and the Molecular Science Center. UTMB has excellent and expanding programs in immunology and molecular biology. This is a full-time position with a competitive salary range available. Equal Opportunity Employer.

Application Instructions

Send letter of application, curriculum vitae, three letters of reference, and copies of three articles related to your research to:

Dr. William W. Driscoll
Chairman, Search Committee
Department of Microbiology
University of Texas Medical Branch
Galveston, Texas 77555-1019

UTMB is an Equal Opportunity/ Affirmative Action Employer. UTMB hires only individuals authorized to work in the United States.
Postdoctoral Fellowships in New Drug Development

The Department of Clinical and Scientific Affairs (CSA) of Pfizer Pharmaceuticals, in New York City, is announcing its annual competition for Postdoctoral Fellowships in New Drug Development.

The Department of Clinical and Scientific Affairs has a broad range of activities. It is responsible for designing and conducting non-clinical and clinical development programs, as well as investigating and developing new claims and indications for marketed drugs. CSA also designs and conducts the clinical development programs for new formulations and dosage forms of existing products.

Participants in the Postdoctoral Fellowship Program in New Drug Development will become members of project teams and gain experience in developing non-clinical as well as clinical research programs. While no laboratory or clinical studies are actually conducted at Pfizer in New York, Fellows will interact with specialists in their chosen field to have studies performed at contract laboratories and universities, or with individual investigators.

A total of two awards will be given annually for non-clinical and clinical research related to new drug development in the fields of cardiovascular medicine, central nervous system, microbiology, pharmacology, pharmacokinetics, drug metabolism, or toxicology. Salaries will be determined by the qualifications and experience of the applicant.

The deadline for submitting applications is April 1, 1992. Announcement of the awards will be made in early June 1992.

For further information contact: Postdoctoral Fellowship Program in New Drug Development, Clinical and Scientific Affairs Department, Pfizer Pharmaceuticals, 233 East 42nd Street, 15th Floor, Stop 24, New York, NY 10017-5765, Attn: Charlene Mirett, Personnel Manager. Pfizer is an equal opportunity employer.

POSITIONS OPEN

POSTDOCTORAL FELLOW

Position available immediately to study the use of liposomes and lipid-based systems to deliver defensins for the treatment of opportunistic infections. This position requires a Ph.D. in physical chemistry, biochemistry, biology or related discipline with a background in liposomology, membrane biophysics or lipid physical chemistry. Send curriculum vitae and three references to: Human Resources, The Imaging, Inc., One Research Way, Princeton, NJ 08540. An Equal Opportunity Employer.

RESEARCH SCIENTISTS
MOLECULAR GENETICS AND IMMUNOLOGY

WADSWORTH LABORATORIES

Applications are invited for entry level, staff scientist positions from candidates with background in molecular genetics or immunology. They will be expected to develop a strong, independent basic research program. Two positions are available immediately:

- **MOLECULAR BIOLOGIST.** Training in molecular biology, medical microbiology, molecular virology, and/or protein biochemistry, with interest in regulation of gene expression in prokaryotes or lower eukaryotes.

- **CELLULAR IMMUNOLOGIST.** Training in cellular immunology, with an interest in lymphocyte activation, interaction and/or regulation.

The Wadsworth Center for Laboratories and Research provides a stimulating research environment, combining excellent facilities with multidisciplinary and interactive programs. The research facility houses the graduate program of the School of Public Health of the State University of New York.

Ph.D. or equivalent with a minimum of 2 years of postdoctoral experience preferred. Salaries from $37,821 commensurate with experience.

Send curriculum vitae, a statement of future research interests and the names, addresses and telephone numbers of three references by 26 March 1992 to:

Dr. Marlene Belfort (Molecular Biology)

Dr. Donal Murphy (Immunology)

Health Research, Inc.

P.O. Box 2077

Albany, NY 12220

WADSWORTH POSTDOCTORAL FELLOWSHIPS

MOLECULAR MECHANISMS OF DRUG RESISTANCE

THE WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

The Wadsworth Center is initiating a broad-based research program on the molecular mechanism of drug resistance. Applications are invited for several 2-year postdoctoral fellowships which are available immediately. This initiative will involve the coordinated efforts of several principal investigators and their groups including the postdoctoral fellows on the following areas:

1. acquired drug resistance in transformed mammalian cells
2. resistance arising during viral infections
3. multiple antibiotic resistance in mycobacteria
4. drug resistance in parasitic protozoa
5. model systems for studying drug transport and resistance at the molecular level

The initiative will expand and enhance established research programs in the molecular genetics, biochemical, biophysical, and cellular mechanisms of biological systems that acquire drug resistance in vivo and in vitro.

The Wadsworth Center is a well-staffed research institute with centralized core facilities in molecular biology, immunology, biochemistry, light and electron microscopy and cell structural analysis, and information and computer service to aid in the pursuit of these projects. This unique facility houses a graduate program of the School of Public Health of the State University of New York at Albany.

Albany offers the cultural and recreational advantages of an upstate New York community, with ready access to major metropolitan areas (New York, Boston, Montreal).

The salaries are competitive and commensurate with experience. Interested applicants should send curriculum vitae and the names of three references to: Dr. John Galivan, Director of the Laboratory of Pathology, Wadsworth Center for Laboratories and Research, New York State Department of Health, Albany, NY 12201-0509.
POSITIONS OPEN

POSTDOCTORAL POSITIONS
MOBILE SELF-SPlicing INTRONS
MOLECULAR BIOLOGY PROGRAM
WADSWORTH LABORATORIES

Nucleic acid rearrangements of group I introns are studied at the RNA and DNA levels. Projects include analysis of self-splicing RNAs and DNA-based intron mobility in prokaryotes using genetic and biochemical approaches [Ann. Rev. Genet. 24, 263 (1990)]. Protein-nucleic acid interactions are also under investigation. Experience in molecular and cellular biology required. Competitive federally funded salary commensurate with experience.

Send curriculum vitae and names of three references to: Dr. Marion Behlke, Wadsworth Laboratories and School of Public Health, State University of New York, Box 509, Empire State Plaza, Albany, NY 12201-0509.

POSTDOCTORAL FELLOWSHIPS

The Evans Department of Medicine, Boston University Medical Center, solicits applications for its fellowship program from outstanding individuals holding an M.D. and/or Ph.D. The program is dedicated to excellence in biomolecular medicine and basic science. Areas of special expertise include:

- CELL PHYSIOLOGY
- CLINICAL SCIENCE
- DEVELOPMENTAL BIOLOGY
- GENE REGULATION
- IMMUNOLOGY
- MOLECULAR GENETICS
- TUMOR BIOLOGY
- VASCULAR BIOLOGY

Appointments will be for 3 years. Competitive stipends, generous supply and travel allowance, and health insurance will be provided. Applications are due 15 April 1992 and may be obtained from:

Dr. John Murphy
Department of Medicine
Boston University Medical Center
88 East Newton Street
Boston, MA 02118

Awards will be announced 15 June 1992. Start date is flexible for any time after 1 July 1992, and can be coordinated with receipt of Ph.D. or completion of clinical training in medical subspecialty.

THE UNIVERSITY OF MICHIGAN
MEDICAL CENTER
DEPARTMENT OF PATHOLOGY

POSTDOCTORAL FELLOWSHIP available in molecular biology of the malignant gland and other endocrine tissues. A background in molecular biology or chemistry required. Starting date July 1992. Contact: R. V. Lloyd, M.D., Ph.D., Department of Pathology, University of Michigan Medical Center, 26332/0654, Ann Arbor, MI 48109.

POSTDOCTORAL RESEARCH FELLOW: The Parkinson's Disease Clinical and Research Center, Department of Neurology at the University of Kansas Medical Center is recruiting a basic scientist to continue studies in animal models of Parkinson's disease. This position is available immediately. Ph.D. and postdoctoral experience required. Salary commensurate with experience. Submit curriculum vitae and names of references to: William C. Koller, M.D., Ph.D., Department of Neurology, University of Kansas Medical Center, 3901 Rainbow Boulevard, Kansas City, KS 66160-7314.

An Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSOCIATE POSTDOCTORAL FELLOW

Position available for Ph.D. to join and aid in the direction of an active hematopoiesis and stem cell transplantation program. Laboratory studies include (1) mechanisms of mobilization of blood stem cells, (2) influence of cytokines on stem cell subpopulations, (3) role of stem cells at the time of transplantation on engraftment, and (4) protection of stem cells with regulatory molecules. Direct inquiries to:

Peter Mauch, M.D.
Harvard Medical School, ICRIT
50 Binney Street
Boston, MA 02115

14 FEBRUARY 1992
POSTDOCTORAL FELLOW  
STRUCTURAL BIOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LAKE CHAMPLAIN SUMMER FELLOW.  
Applicants are invited for a postdoctoral position (Ph.D. or equivalent) in the laboratory of Alan McIntosh, Vermont Water Resources and Lake Studies Center, University of Vermont, Burlington, VT 05405. 

POSTDOCTORAL RESEARCH FELLOW.  
Position available to join a group studying the role of prenylation of proteins—particularly in their assembly and in the regulation of cell cycle progression. This project utilizes techniques of protein biochemistry, cell biology, and molecular biology. For a recent reference, see [Beck et al., J. Cell. Biol. 110, 1489 (1990)]. Send curriculum vitae to: Dr. M. Sinyeskey, Head, Lipid & Protein Division, Eleanor Roosevelt Institute, 1899 Gaylord Street, Denver, CO 80206. Equal Employment Opportunity. Minority and women applicants encouraged. 

POSTDOCTORAL RESEARCH ASSOCIATE.  
A position is open to participate in ongoing research investigating the role of insulin-like growth factors and insulin-like growth factor binding proteins in tumor proliferation. A strong background in molecular biology including Southern and Northern analysis, transfections and gel-shift assays. Send curriculum vitae to: Joseph A. Fontana, M.D., Ph.D., University of Pennsylvania School of Medicine, Cancer Center Room S9505, 22 South Greene Street, Baltimore, MD 21201. 

CONSIGLIO NAZIONALE  
DELLA RICERCHE  
ROME—ITALY 

SPECIAL PROJECT RAISA  
ADVANCED RESEARCH FOR  
INNOVATIONS IN THE  
AGRICULTURAL SYSTEM  
RESEARCH FELLOWSHIPS IN AGRICULTURAL SCIENCES  
RAISA, a 5-year broad spectrum research project by National Research Council of Italy, confirming the scientific interest of the former scheme, has established a New Fellowship Scheme to offer senior scientist from abroad the opportunity to work, for a period of 3 to 11 months, in any Italian institution affiliated to the project. 

RAISA activities are carried out by around a hundred research teams, whose major goal is to acquire the basic knowledge to foster the evolution of the Integrated Agricultural System toward a more equitable farmers' income, more sustainable exploitation of resources, better fulfillment of consumers' preferences and nutritional demands. 

The fellows will be expected to pursue their research program within the remit of the host research team, but will have the opportunity of liaising with, and taking advantage of, expertise and facilities at other research teams within the project. 

A list of research trusts and teams is available upon request. 

The gross salary is from Lit. 2,500.000 per month, according to qualification, plus economy return ticket from home institution to Italy. 

Applicants should present a research proposal of about three pages (including effects of curriculum vitae and a letter of acceptance from a RAISA host team, to: C.N.R. P.P. RAISA, Fellowship Program, Via Tiburtina Km. 12.5, 00141 Rome, Italy. FAX: (+39 6) 4392963 or 4075883. 

Deadline for receipt of applications is 31 March 1992 and successful candidates will be notified in April; they are expected to start their research in Italy within 1992.

POSTDOCTORAL RESEARCH ASSOCIATE  
Position available (Ph.D. in medicinal chemistry or pharmacology) to conduct synthesis and pharmacological evaluation of few novel nitrogen containing heterocycles that have anti-inflammatory and hypoglycemic activities on preliminary testing. Salary range: $27,000 to $29,000 per year. 

POSTDOCTORAL RESEARCH ASSOCIATE  
Position available (Ph.D. in medicinal chemistry or pharmacology) to conduct synthesis and pharmacological evaluation of few novel nitrogen containing heterocycles that have anti-inflammatory and hypoglycemic activities on preliminary testing. Salary range: $27,000 to $29,000 per year. If interested, please apply before 31 March 1992. 

DIRECTOR OF BIOCHEMISTRY  
Salary: $90,000.00 per year. 

The University of Virginia is an Equal Opportunity/Affirmative Action Employer, and provides a smoke-free environment. Applications must be received by 14 March 1992.

BIOLIGIST  
Candidates with a background in immunology, molecular biology, or infectious disease investigation are sought for a position in the Immunology Branch. (J. S. McDougall, M.D., Chief), Division of HIV/AIDS, National Center for Infectious Diseases (CDC). 

RESEARCH ASSOCIATE  
Position available immediately to participate in a collaborative study of glycolipid organization in bilayers and biological membranes. Biophysical, biochemical and electron microscopic techniques are used. Send curriculum vitae and names of three references to: Dr. Thomas W. Tillack, Department of Biochemistry, Room 440, University of Virginia Health Sciences Center, Charlottesville, VA 22908. 

The University of Virginia is an Equal Opportunity/Affirmative Action Employer.
UCLA
Department of Physiology

TENURE TRACK POSITION

The Department of Physiology is seeking to recruit an outstanding individual for a tenure track position preferably at the entry level of Assistant Professor. Applicants must have demonstrated abilities and interests in areas of cardiovascular research including any of the following: development or adaptation of cardiac and vascular muscle; molecular biology of muscle proteins; signal transduction processes; and biochemical regulation of muscle function. Successful candidates are expected to have a Ph.D. or M.D. with post-doctoral experience and should provide evidence that they can pursue a vigorous independent research program and participate in an active teaching program in the cardiovascular field.

Resources and an excellent environment exist for developing an academic career within an interactive community. Interested scientists should mail their curriculum vitae, a statement of current interests and future research plans, relevant reprints or preprints, and arrange to have at least three letters of reference sent to:

Julio Vergara, Ph.D.
Chair, Search Committee
Department of Physiology
UCLA School of Medicine
Los Angeles, CA 90024-1751

The period of application closes May 1, 1992. The University of California is an Equal Opportunity/Affirmative Action Employer.

THE ROCKEFELLER UNIVERSITY

PHYSICIAN INVESTIGATORS

The Clinical Research Center at Rockefeller University is seeking M.D. or M.D./Ph.D. Physician Investigators with a primary commitment to patient oriented research. The clinical research center comprises a 30-bed inpatient unit, an 8 room outpatient unit, a well-equipped metabolic kitchen and ancillary facilities, all within a Hospital building on the 15-acre campus of the Rockefeller University in New York City. This Hospital provides an unequalled opportunity for intensive clinical investigation, devoid of any clinical responsibilities other than those required for research subjects. Applications are now being considered from licensed physicians for appointments as early as July of this year from the postdoctoral through junior faculty levels.

Please send Curriculum Vitae and a letter describing clinical investigative interests to:

The Office of the Program Director,
Clinical Research Center,
Hospital of the Rockefeller University
Box 46
1230 York Avenue
New York, NY 10021

The Rockefeller University is an equal opportunity employer and has an affirmative action program to increase the employment of women and members of protected groups at all job levels.

THE ROCKEFELLER UNIVERSITY

Research Associate/ Senior Research Associate

Genentech, a leader in the biotechnology industry, has an exceptional opportunity for an RA/SRA to assist in the start-up of a new group within our manufacturing department.

You will focus on supporting the recovery and pharmaceutical manufacturing of marketed products. Skills should include protein biochemistry methodology, electrophoresis, cell extraction methods, chromatography optimization and protein characterization.

Qualified candidates must have a BS/MS in Biochemistry, Protein Chemistry or equivalent, a background in pharmaceutical research and experience with protein biochemistry methodology and process optimization techniques.

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

Genentech, Inc.

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

FACULTY POSITION

DIRECTOR OF M.D./PH.D. PROGRAM

The University of Illinois College of Medicine at Urbana-Champaign and the Graduate College at Urbana-Champaign seek a member of faculty to direct an innovative combined degree program called the Medical Scholars Program (MSP). Currently 140 students are enrolled in the program studying for an M.D. and another degree, primarily the Ph.D., in one of forty different disciplines in the biological sciences, physical and engineering sciences, social and behavioral sciences, the humanities, and law. The program has an excellent administrative support staff.

Applicants should have outstanding academic qualifications in research with teaching experience, preferably in a dual degree program. They should have earned either an M.D. or a Ph.D., preferably both. The successful candidate will be expected to maintain an active research program, participate in teaching, provide leadership for the MSP, and serve as a role model for academic excellence. The position carries a tenured appointment in one of the departments of the College of Medicine and a joint appointment in one of the Ph.D. granting departments of the University of Illinois Graduate College at Urbana-Champaign. The academic discipline is open. Clinical practice opportunities can be negotiated if desired with one of the affiliated teaching clinics or hospitals. Starting date and salary are negotiable.

For full consideration, letter of application, curriculum vitae, and list of five references should be received by 1 April 1992. Please send to: Michael J. Ellis, Ph.D., Chair, Search Committee for Director of the Medical Scholars Program, University of Illinois College of Medicine at Urbana-Champaign, 190 Medical Sciences Building, 506 South Mathews, Urbana, IL 61801. Telephone: 217-333-2131. FAX: 217-333-8868. Applications will be treated confidentially.

The University of Illinois is an Affirmative Action/Equal Opportunity Employer.
Experimental Toxicology

Postdoctoral Scientist
We Set A High Value On Research Talent

CIBA-GEIGY Pharmaceuticals Division, headquartered on 100 acres in Summit, New Jersey, invests over $1 million a day in the research and development of innovative pharmaceutical products. Our substantial commitment has helped us gain worldwide acceptance of our therapeutic discoveries, and has afforded our research staff an abundance of challenging projects.

As part of our mechanistic-based, highly-motivated research team, the selected Scientist will apply molecular approaches to the study of mechanisms of drug-induced adverse reactions. You will also be encouraged to participate in internal and external scientific forums and present and publish your research. Successful Scientists may participate in a number of multidisciplinary projects that include: in vitro and in vivo target-organ toxicity screening; investigative/mechanistic studies; animal alternatives; and new technologies for toxicologic research.

To qualify, candidates must have a PhD in Toxicology or a related field. Experience with molecular biology techniques, in vitro systems for xenobiotic metabolism, or studies focused on responses to chemical agents at subcellular/molecular levels is a valued asset.

CIBA-GEIGY offers a competitive salary, comprehensive benefits and an environment conducive to professional development. Please send your resume with salary requirements to: Staffing Center, Dept POST, CIBA-GEIGY Corporation, Pharmaceuticals Division, 556 Morris Avenue, Summit, NJ 07901. We Are An Equal Opportunity Employer M/F/H/V.

Science Serving Mankind

CIBA-GEIGY

Leukocyte Biologist

Amgen, an innovative leader in the discovery, development and marketing of human therapeutics through applied biotechnology, has immediate opportunities for research scientists in Inflammation Research.

The successful candidate will develop new projects and expand existing projects in the discovery and characterization of molecules involved in leukocyte trafficking. Experience with cellular adhesion molecules, in vitro assays and monoclonal antibodies is essential.

Qualified candidates should have a Ph.D. in Cellular Biology or a related discipline and a minimum of two years relevant post-doctoral experience.

Amgen offers a stimulating and challenging environment on the leading edge of biotechnology as well as an excellent compensation and benefits package. If you have the necessary skills and qualifications and would like to be a part of a company that places a high priority on its human resources, please send your resume, in confidence, to: Amgen Inc., Staffing Department, Code S-1072, Amgen Center, Thousand Oaks, CA 91320-1789. Amgen is an equal opportunity employer.

AMGEN

Principal only, please

SCIENTISTS

Cadus Pharmaceutical Corp., a new, New York City-based bio-pharmaceutical company, is seeking a special group of scientists dedicated to drug discovery and development. The company's scientists will utilize a new generation of technological tools to identify novel therapeutic agents whose mode of action is aimed at specific signal transduction and transcriptional pathways. Such agents are being sought for the treatment of several major diseases. Cadus' scientists will be involved in an interactive research program with many scientists from the academic community.

MEDICINAL CHEMIST

We need a Ph.D. with several years of practical experience in analytical and preparative chemistry of low molecular weight compounds.

YEAST MOLECULAR BIOLOGIST

A Ph.D. with 3-4 years post-doctoral experience in cloning and gene expression is needed. Previous experience in receptor/ligand interactions of the mating type system would be a real bonus.

MOLECULAR/CeLLULAR BIOLOGIST

A Ph.D. with 3-4 years post-doctoral experience characterizing mammalian receptor/ligand interactions, especially with members of the B-adrenergic and serotonin receptor family is needed.

Cadus Pharmaceutical Corp. offers competitive salaries and benefits with the opportunity to work in a highly motivated and interactive environment. Please submit your curriculum vitae with a list of three references to: Dr. Dana M. Fowlkes, Director of Research, Cadus Pharmaceutical Corp., 7th Floor, 180 Varick Street, New York, NY 10014.
Genentech, Inc. is a research stage biopharmaceutical company pursuing a novel non-retroviral technology for gene therapy and treatment of selected cancers and viral diseases. This is an exceptional opportunity for highly motivated, innovative scientists with the desire to be an integral member of a multidisciplinary team in our start-up, entrepreneurial environment.

BS/MS Organic Chemists
We seek bio-organic chemists to participate in the preparation and characterization of pharmaceuticals for treatment of genetic disorders, cancer, and viral diseases by targeted delivery. Chemists should be experienced in synthetic techniques using both organic and aqueous media.

Ph.D. Molecular Virologists
We seek scientists with demonstrated expertise using molecular approaches in the study of animal viruses to develop antiviral therapy programs and research programs with the aim of manipulating virus-cell interactions. The individual will have experience working with live virus or with animal models of viral infection.

BS/MS Scientists
Cell/Molecular Biology
We seek scientists who wish to participate as members of interactive teams. Cell biologists should be familiar with a range of cell biology/biochemistry methods. Molecular biologists should have proven skills in DNA/RNA isolation, Northern/Southern blotting, plasmid prep, PCR, etc.

Targetech, Inc. is committed to providing a nurturing environment for creative, highly motivated scientists by offering competitive salaries, a comprehensive benefits package and equity participation in the company.

Submit resumes to: Targetech, Inc., Human Resources, 290 Pratt Street, Meriden, CT 06450. We are an equal opportunity employer.

Zymogenetics, Inc., a Seattle-based biotechnology company making important strides in the areas of diabetes research, coagulation disorders, and tissue repair has a challenging opportunity available for a:

**Scientist**

**Toxicology**

Genentech, a leader in the biotechnology industry and headquartered in South San Francisco, has the following opportunities within our Toxicology department.

Primarily responsible for the design, conduct and scientific evaluation of Safety Assessment Studies, you will independently prepare comprehensive preclinical safety assessments in support of U.S. and international marketing applications. Acting as the Safety Evaluation Rep to one or more project teams, you will interact with other professionals and provide expertise on all relevant safety issues as well as play a key role in developing our in-house testing capability as the Toxicology department expands.

Requires a PhD and postdoctoral fellowship, including 1+ years of industrial experience or a PhD and 5+ years of industrial experience. Board Certification in Toxicology is also desirable.

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

---

Zymogenetics, Inc.

A subsidiary of Novo Nordisk A/S
Zymogenetics is an equal opportunity employer and encourages applications from women and minorities.

---

Scientist

Toxicology

Genentech, a leader in the biotechnology industry and headquartered in South San Francisco, has the following opportunities within our Toxicology department.

Primarily responsible for the design, conduct and scientific evaluation of Safety Assessment Studies, you will independently prepare comprehensive preclinical safety assessments in support of U.S. and international marketing applications. Acting as the Safety Evaluation Rep to one or more project teams, you will interact with other professionals and provide expertise on all relevant safety issues as well as play a key role in developing our in-house testing capability as the Toxicology department expands.

Requires a PhD and postdoctoral fellowship, including 1+ years of industrial experience or a PhD and 5+ years of industrial experience. Board Certification in Toxicology is also desirable.

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

Genentech, Inc.
IMAGING IN OPHTHALMOLOGY

University of Wisconsin School of Medicine. ASSISTANT SCIENTIST: BIOCHEMISTRY. Position in pancreatic islet research. Requires experience in recombinant DNA methodology. Please send curriculum vitae and names of references to: Dr. Michael J. MacDonald, University of Wisconsin Medical School, Room 3459, 1300 University Avenue, Madison, WI 53706. Telephone: 608-262-1195.

The University of Wisconsin is an Equal Opportunity Employer.

MEDICAL ONCOLOGIST/HEMATOLOGIST. Outstanding opportunity for a well-trained clinical investigator to join the NIH-ACS-supported Human Immunology and Cancer Program in the Department of Medicine, University of Tennessee Graduate School of Medicine. Major responsibilities include active participation in patient care with research emphasis on monoclonal Ig-associated human diseases (multiple myeloma, lymphoma, and related disorders). Requires demonstrated independence and productivity. The successful candidate will work in well-equipped, state-of-the-art basic and clinical research facilities including hybridoma/Mab, flow cytometry, and related biotechnology areas. Outstanding opportunities for career development; programming, optimizing and testing large-scale programs; solving R&D problems with computational techniques. Industrial or post-doctoral experience is also desirable. Cray Research rewards exceptional talent with an excellent compensation plan that includes profit sharing and a highly competitive benefit package. For confidential consideration, please send your resume to: Krystal Brandes, Cray Research, Inc., 655-A, Lone Oak Drive, Eagle, MN 55121-1560, Cray Research, Inc., is an Equal Opportunity Employer, M/F/HV.

IMMUNOLOGIST TO ASSIST DEVELOPMENT OF OCULAR IMMUNOLOGY LABORATORY. The Department of Ophthalmology, University of British Columbia (UBC), seeks a full-time Ph.D. immunologist to work with other clinical services in the development of treatment programs for AIDS, uveitis, scleritis, and related ocular inflammatory disorders. Experience in the planning and implementation of new programs is essential. Salary is commensurate with experience and qualifications.

APPLY:send curriculum vitae and the names of three referees by 30 April 1992 to: Dr. J. Rootman, Head, Department of Ophthalmology, 2550 Willow Street, Vancouver, B.C., Canada V6Z 3N9.
CAREER OPPORTUNITIES IN OLIGONUCLEOTIDE THERAPEUTICS

ISIS Pharmaceuticals, located in Carlsbad, CA (San Diego County), is a pharmaceutical company focused on antisense oligonucleotide therapeutics. ISIS has innovative research programs, strong funding, a world-class scientific advisory board, excellent facilities and strong academic ties which make ISIS an exciting opportunity for outstanding individuals. Present opening is:

Ph.D. Phospholipid Biochemist/Biophysicist

We are seeking a Ph.D. scientist to develop and implement a research program in the interaction of oligonucleotides and novel oligonucleotide analogs with biological membranes and artificial membrane model systems. The successful candidate would work closely with medicinal chemists and cellular biologists to study the mechanisms by which oligonucleotides and their analogs interact with biological membranes and aid in the design of novel oligonucleotides. At least 2 years' postdoctoral experience in lipid biochemistry and/or biophysical techniques required. Experience in membrane transport processes or cell biology of membrane topology desired. Position code 104.

ISIS Pharmaceuticals offers a competitive salary, benefits, and substantial equity participation. Our new facility is located in San Diego County near the University of California, San Diego, and other major scientific centers. Please submit a cover letter, which clearly specifies position code, cv, reprints of relevant publications, and names and telephone numbers of references to: Ms. Linda Kopps, ISIS Pharmaceuticals, 2280 Faraday Avenue, Carlsbad, CA 92008. An Equal Opportunity Employer.

ISIS PHARMACEUTICALS
POSITIONS OPEN

INDUSTRY POSITIONS IN BIOTECHNOLOGY

Join our team of professionals to support our growing businesses. Microbiological Associates is the world leader in bioprocess technological sales and education. Opportunities are available for microbiologists and virologists with 3 to 5 years of postdoctoral experience. Fellowship with Mycoplasma and/or QPL/GSPM environment an asset. These STUDY DIRECTOR positions will be responsible for supervising laboratory staff, communication with clients, and the development of research programs. Our state-of-the-art facility is located in Washington, D.C., suburb. We offer a comprehensive salary and benefits package that includes relocation. Send curriculum vitae to: Microbiological Associates, Inc., 9900 Blackwell Road, Rockville, MD 20850. FAX: 301-738-1036. Equal Opportunity Employer, M/F/H/VI.

MOLLEcular BIOLOGIST

Experience/interest in neuropharmacology for cloning of receptors/signaling transducing molecules and generation of in vivo models for functional significance. Postdoctoral/Research Associate/Instructor level in multidisciplinary environments. Send current curriculum vitae and bibliography to: Chang Wah, Head, Division of Neurobiology, Cornell University Medical College, 413 East 69th Street, #B410, New York, NY 10021. FAX: 212-746-6456. Equal Opportunity Employer/Affirmative Action, M/F/H/VI.

AGRICULTURAL RESEARCH SCIENTIST

Grand Forks Human Nutrition Research Center, Grand Forks, North Dakota. The USDA, Agricultural Research Service, is seeking a person with a Ph.D. or M.D. to fill a lead scientist position with research leadership opportunities at the Human Nutrition Research Center located in Grand Forks, North Dakota, where a multidisciplinary research approach is used to develop recommended intakes of mineral element nutrients for humans. The research assignment is to study factors affecting the bioavailability, retention and utilization of trace elements from food, and homocystate regulation of trace element metabolism, thus ascertaining how these factors affect human nutrient requirements. Research will emphasize the use of stable and radiotope methods to study trace element metabolism in human volunteers in an established, modern and well-equipped laboratory. Must be able to communicate with experience, GS-12-GM-14 ($38,861 to $65,527). For information on research contact: Dr. Forrest H. Nielsen at 761-795-4856. For application procedures/forms contact: Julia A. Murchison, USDA, ARS, Personnel Division, 6305 Try Lane, Suite 318, Greenbelt, MD 20771, Telephone: 301-344-3138. Applications in response to this advertisement should be marked. ARS-D-2-W-0020. Applications must be received by 20 April 1992. ARS is an Equal Opportunity Employer; women and minorities are encouraged to apply.

SENIOR RESEARCH CHEMIST/RESEARCH CHEMIST. Princeton University's Department of Chemistry has applications to develop and lead a research program in global and regional environmental impacts of industrial chemicals and processes. Focus is on sources, accumulation, transport and effects of toxic materials, interactions with natural and anthropogenic chemical cycles, and strategies for management. Research will be conducted in conjunction with the Center for Environmental Studies. Candidate must have a Ph.D. in chemistry or related field, an established track record of outstanding research in the areas of focus and demonstrated success in obtaining and managing research funding. Salary and rank commensurate with experience and background. Please submit curriculum vitae and three letters of recommendation to:

Thomas G. Spirito
Eugene Higgins Professor of Chemistry
c/o Nancy Duprey Kochler
H-102 Engineering Quadrangle
Princeton University
Princeton, NJ 08544

Princeton is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

The Departments of Medicine and Microbiology and Immunology at Loyola University Medical Center are seeking a Ph.D. IMMUNOLOGIST to assist in establishing the clinical immunology program. The successful candidate will be granted a salary of $32,423 to $60,071 per annum. This may be a term position not to exceed 4 years' duration. The position entails performing collections-oriented research in the systematics and evolutionary biology of the Crustacea and professional curating of the pertinent collections. Candidates will be evaluated according to the quality, scope, productivity, and rejection of research accomplishments, (publications, readings and writing); demonstrated interest and experience in museum curatorial and field experience; relation of the candidate's research to present departmental collections and research strengths and needs; and the potential for research interaction with other National Museum of Natural History staff and outside colleagues. Submit by 15 March 1992, SF-171 (Personal Qualifications Statement), curriculum vitae, copies of publications, and statement of long-term research goals to: Vacancy Announcement #92-1000H, Smithsonian Institution, Office of Human Resources, Branch 1, P.O. Box 23762, Washington, DC 20036-3762. An Equal Opportunity Employer.

STAFF SCIENTIST, ANALYTICAL CHEMIST. ALZA, a manufacturer of innovative drug delivery systems, currently requires a staff research scientist for its biomedical sciences group. This position requires a Ph.D. in biochemistry or biophysics. The successful candidate will be required to perform and develop analytical methods specifically for proteins and peptides. Additionally, the candidate will perform radio-iodination of proteins as well as ligand receptor binding assays and develop methods for generation of reagents from tissue sources. Requires the ability to supervise three chemists. A minimum of 2 years of directly related experience in the biomedicinal sciences is required. The successful candidate will be responsible for supervising three chemists. A minimum of 2 years of directly related experience in the biomedicinal sciences is required. The successful candidate will be responsible for supervising three chemists.

POSITIONS OPEN

ZOLOGIST. The Department of Invertebrate Zoology, National Museum of Natural History, Smithsonian Institution, seeks candidates for a zoologist, GS-11/12 ($32,423 to $60,071 per annum). This may be a term position not to exceed 4 years' duration. The position entails performing collections-oriented research in the systematics and evolutionary biology of the Crustacea and professional curating of the pertinent collections. Candidates will be evaluated according to the quality, scope, productivity, and rejection of research accomplishments, (publications, readings and writing); demonstrated interest and experience in museum curatorial and field experience; relation of the candidate's research to present departmental collections and research strengths and needs; and the potential for research interaction with other National Museum of Natural History staff and outside colleagues. Submit by 15 March 1992, SF-171 (Personal Qualifications Statement), curriculum vitae, copies of publications, and statement of long-term research goals to: Vacancy Announcement #92-1000H, Smithsonian Institution, Office of Human Resources, Branch 1, P.O. Box 23762, Washington, DC 20036-3762. An Equal Opportunity Employer.

COURSES AND TRAINING

M.S. IN BIOTECHNOLOGY. A 2-year graduate program in biotechnology. It includes intensive training in cell biology and recombinant DNA methodologies and either co-op experiences with industry or a thesis. Financial assistance is available. Please apply to:

Program Director, Biotechnology
M303 Walters Life Sciences Building
The University of Tennessee
Knoxville, TN 37996-0830

MARKETPLACE

Quality DNA Services from $4 to $9 base
Call Wildland
1-800-247-8766

Circle No. 4 on Readers’ Service Card

$3.50/Bag
Custom DNA Synthesis
No Set-up Fee, Shipped in 24 hours.
KEYSTONE LABORATORIES, Inc
1-800-788-4 DNA
1-800-786-4 DNA Fax

Circle No. 91 on Readers’ Service Card

PROFESSIONAL RESUME SERVICES
SUCCESSFULLY SERVING SCIENTISTS & RELATED PROFESSIONALS SINCE 1976. ALL LEVELS/SPECIALTIES. EFFECTIVE, CONFIDENTIAL, IMMEDIATE SERVICE. CURRICULUM VITAE PREPARATION. COVER LETTER DEVELOPMENT. CAREER PLANNING. COMMITMENT TO PRODUCT QUALITY/CUSTOMER SATISFACTION.
1-800-786-3037 (24 HOURS)

Circle No. 44 on Readers’ Service Card

Custom DNA Purified and Delivered in 48 hours.
$7.50 per base
Purified Guaranteed minimum 100 µg DNA
Research Genes
1-800-533-4363

Circle No. 13 on Readers’ Service Card

890

SCIENCE, VOL. 255
Among highly evolved immunologists, choosing Pierce antibody purification products is practically hereditary. The Pierce ImmunoTechnology Catalog & Handbook features hundreds of reliable, time-saving purification products: from a comprehensive line of supports and kits to the detailed references, graphs and comparative data that back it up. And we never stop developing even better, more efficient solutions to your purification problems. Never. So, if you demand more than just garden variety Ab purification, go forth and read our ImmunoTechnology Catalog & Handbook today. It’s the gospel according to Pierce Chemical.

250 NEW PRODUCTS FOR IMMUNOASSAYS, ANTIBODY PRODUCTION & PURIFICATION!
FOR PRODUCTS, A CATALOG OR TECHNICAL ASSISTANCE CALL: 1.815.968.0747. IN EUROPE: 31-1860-19277.

Circle No. 3 on Readers' Service Card
Extremely Sensitive Immunoassays for the Quantitation of Cytokines.

Quantikine

The Tool To Measure Cytokines:

- IL-1α
- IL-1β
- IL-2
- IL-3
- IL-4
- IL-6
- IL-7
- IL-8
- New: LIF
- IL-1ra
- Erythropoietin
- Transferrin Receptor

The R&D Systems' Quantikine series of immunoassays is a complete set of reagents designed to accurately measure the concentration of cytokines in fluids. The high sensitivity and wide standard curve range offered by each Quantikine Kit enables precise measurement of cytokines at both high and low concentrations in less than 4½ hours.

In Europe contact:
British Bio-Technology, Ltd.
4-10 The Quadrant, Barton Lane
Abingdon, Oxon OX14 3YS
Telephone: +44 (0865) 781045
Fax: +44 (0235) 539420

In Japan contact:
Funakoshi Co., Ltd.
9-7, Hongo 2-Chome
Bunkyo-ku, Tokyo 113
Telephone: +81 (03) 56841622
Fax: +81 (03) 56841633

R&D Systems
614 McKinley Place N.E.
Minneapolis, MN 55413
In Minnesota: (612) 379-2956
Fax: (612) 379-6580

1-800-343-7475

Circle No. 96 on Readers' Service Card