Data and Graphing Software for the Mac
StatView 4.0 is an integrated data analysis and presentation graphing system for the Macintosh. It allows users to manage and analyze their data, then graph and create presentations of their results within a single program. It combines spreadsheet, statistics, graphing, and drawing applications. Abacus Concepts. Circle 87.

Microscope Slide Dryer
Quick-Dry is designed to dry tissue samples quickly yet gently under controlled conditions that produce minimum sample shrinkage and morphologic change. The user can set the temperature from ambient to 65°C. The 8 by 14 1/2 inch interior compartment is large enough to accommodate slide trays and Coplin jars. The air filtration system, composed of inlet air filters plus hydrophilic exit air filters, helps prevent particulates and aerosols from exiting to the outside environment. The dryer can also be used for in situ hybridization applications, electrophoresis, and incubations. A thermal probe is available to monitor reagent heating. Shandon. Circle 88.

Monoclonal Antibodies
Four new monoclonal antibodies (MAbs) for the study of cell surface antigens include MAbs to CD56 (NKH-1), CD18 (LFA-1β), CD11b (MAC-1), and CD7. They can be used in flow cytometry or fluorescence microscopy. Exalpha Corp. Circle 89.

Oncoprotein marker MAbs are available to EGFR, c-myc, N-myc, DNA Topoisomerase 11, bcl-2, and mutant and wild-type p53. Polyclonal antibodies to myc and estrogen receptor are also available. Cambridge Research Biochemicals. Circle 90.

Enzyme-conjugated secondary antibodies are available, including alkaline phosphatase, horseradish peroxidase, and unlabeled antibodies to sheep, mouse, and rabbit immunoglobulin and alkaline phosphatase and unlabeled antibodies to biotin and fluorescein. Cambridge Research Biochemicals. Circle 91.

Growth Factors
Seven additions have been made to a line of cytokines and growth factors. New human recombinant products include IL-3, IL-5, stem cell factor, macrophage colony-stimulating factor, granulocyte colony-stimulating factor, and granulocyte-macrophage colony-stimulating factor (GM-CSF). A mouse recombinant GM-CSF has also been added. The products are intended for use in studies of hemopoiesis, receptor-ligand binding, signal transduction, the inflammatory response, or proto-oncogene expression. The purity of the growth factors is at least 95%. Sigma Cell Culture Reagents. Circle 92.

Lab Management Software
Hyperlab is a program for automating and integrating common laboratory tasks. It simplifies laboratory chores by linking modules for laboratory notebook entries, order preparations, and scientific calculations with databases containing laboratory supplies. Hyperlab features word-processing functions for preparation of notebook entries, including the capability of converting files to and from popular word-processing formats. Notebook entries are linked to information on chemicals, general supplies, samples, and vendors by Hyperlab databases. The program runs on IBM-compatible computers with a hard disk and 640K of memory. SEEG Scientific. Circle 93.

Color CD Markers and Controls
The Bi-Test line of color products for the detection of cell surface antigens in flow cytometry and fluorescent microscopy can be used for the study of human immunodeficiency virus infection, T and B cell subsets, natural killer cells, T cell activation, cellular adhesion, and many other applications. The Bi-Test reagents are: CD4 FITC-CD8 PE; CD8 PE-CD4 FITC; CD5 FITC-CD19 PE; HLA-DR FITC-CD4 PE; and the corresponding controls IgG, FITC-IgG, PE and IgG2a, FITC-IgG, PE. Exalpha Corp. Circle 94.

Direct Cloning Kit for PCR
The pGEM-T Vector allows direct cloning of polymerase chain reaction (PCR) products without digestion, modification of primers, or purification of amplified DNA. The system is designed for cloning of PCR products, in vitro transcription experiments, generation of unidirectional deletions, generation of single-stranded DNA, and in vitro translation experiments. Promega Corp. Circle 95.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by Science or AAAS is not implied. Additional information may be obtained from the manufacturer or suppliers named by circling the appropriate number on the Readers' Service Card and placing it in a mailbox. Postage is free.

Fast Manual Sequencing System
The GeneSprinter manual sequencer provides a finished sequence, from gel preparation to data acquisition, in less than 5 hours. With an electrophoretic run of less than 20 min, the system offers high resolution, sensitivity, and the ability to pour bubble-free gels as thin as 25 μm. FOTODYNE Inc. Circle 96.

Literature
ACER 2000 Advanced Capillary Extrusion Rheometer System describes an instrument for determining the flow behavior of medium- to high-viscosity materials, such as polymer melts, rubber compounds, and foodstuffs. Polymer Laboratories. Circle 97.


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Telephone: 202-326-6541

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POSITIONS OPEN

ASSISTANT PROFESSOR
CELL, MOLECULAR OR DEVELOPMENTAL BIOLOGIST

Outstanding candidates with a strong commitment to research and teaching in Graduate and Medical School curricula are sought for a tenure-track position. The successful candidate will be in the broad area of cell, molecular or developmental biology and complement existing research programs. Salary, startup funds and facilities are available. Applicants should send curriculum vitae, a brief description of research plans and three letters of recommendation to: Search Committee, Cell Biology and Anatomy, Texas Tech University Health Sciences Center, 3601 4th Street, Lubbock, TX 79430 by 15 October 1992. Equal Opportunity Employer.

The Department of Chemistry, Yale University, invites applications for a position at the ASSISTANT PROFESSOR level, effective academic year 1993. We seek bright teacher-scholars who show promise for developing outstanding research programs in the broad area of organic chemistry. Applicants should send curriculum vitae, a statement of research interests and plans, and should arrange for the submission of three letters of recommendation. All materials should be received by 31 October 1992. Send applications to: Chair, Faculty Search Committee, F.O. Box 6666, 225 Prospect Street, New Haven, CT 06511–8118. Yale University is an Equal Opportunity/Affirmative Action Employer.

A tenure-track ASSISTANT PROFESSOR position is available in the Pulmonary Diseases and Critical Care Medicine Section, Department of Medicine for a Ph.D. with at least two years of postgraduate experience. Demonstrated expertise in previous research in cellular/molecular biology applicable to lung biology is required. The candidate will be expected to develop an independent research program. Send curriculum vitae and names of three references to: Mitchell Friedman, M.D., Professor and Chief, Section of Pulmonary Diseases and Critical Care Medicine (SL9), Tulane University Medical Center, 1430 Tulane Avenue, New Orleans, LA 70112–2699. Applications will be accepted until a qualified candidate is selected. Tulane University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

APPlicants are sought for two full-time positions in Medicinal Chemistry and Pharmacokinetics as Assistant Professor or Research Associate. The proposed starting date of October 1, 1992 is contingent upon approval of a grant from the National Institutes of Health. Medicinal Chemists with medicinal/organic chemistry expertise in computer assisted molecular modeling is sought to be able to develop new drug design and build an up-to-date structure activity data base. Pharmacokinetist: A pharmacist with expertise in pharmacokinetics is needed to investigate the biotransformation of lead compounds in rats and mice. The successful candidates will be expected to collaborate with other faculty members in the pharmacokinetic study of new anti-inflammatory and anti-HIV/anti-Cancer agents. Candidates must possess a Ph.D. in the appropriate discipline, with up to three years of postdoc- toral experience. Please send a letter of application accompanied by curriculum vitae and three letters of reference directed to: Bruce J. Gooden, Program Assistant, College of Pharmacy and Pharmaceutical Sciences, Florida A&M University, Tallahassee, FL 32307. Florida A&M University is an Equal Employment Opportunity/Affirmative Action Institution.

INSECT GENETICIST: Tenure track, 12-month, ASSISTANT PROFESSORSHIP with research emphasis in population genetics of insects. Experience with mosquito genetics and molecular techniques is desirable. Candidates with arthropod research interests are encouraged to apply. Teaching responsibilities in "Eco- logical Genetics" and "Genetics of Pest Manage- ment." Ph.D. in Entomology or related field by October 1992, closing date: 1 January 1993, availability. Forward curriculum vitae, details of interests, reprints, transcripts, and three addresses of references to: J. Cozzarelli, Department of Entomology, Mississippi State University, MS 39762. Telephone: (601) 325-2085; FAX: (601) 325-8837. An Affirmative Action/Equal Opportunity Employer.

ASSISTANT SPECIALIST. Full-time position is available in Molecular and Cell Biology, Division of Biochemistry and Molecular Biology. Duties are to conduct research and the topology of DNA and DNA-protein interactions in site-specific recombination as well as general recombination systems. Qualifications re- quired include Ph.D. in biochemistry or related field, with detailed knowledge and technical skills in the field of biochemistry, biophysics, and molecular biology. Salary range is $30,540 to $34,968, depending on qualifications. Approximate starting date: November 1, 1992. Application deadline: September 21, 1992. Qualifying candidates should submit a letter of application and résumé to: Dr. Nicholas Cozzarelli, University of California (UC), Molecular and Cell Biology, 401 Barker Hall, Berkeley, CA 94720. UC Berkeley is an Equal Opportunity/Affirmative Action Employer.

The University of Georgia
ASSISTANT PROFESSOR
EUROKARYOTIC DEVELOPMENTAL GENETICS

The Department of Genetics, University of Georgia, invites applications and nominations for a tenure track faculty position at the assistant professor level in developmental genetics. Duties for the position include research and teaching at the graduate and undergraduate levels. We are particularly interested in individuals employing molecular and genetic approaches to signal transduction in metazoan development. Candidates should have an outstanding record of research accomplishments and the potential to develop a strong, independent research program. The Department of Genetics currently consists of 16 faculty and is housed in a recently completed, state-of-the-art research building where the successful candidate will be provided with excellent laboratory facilities. The department is committed to building a strong program in metazoan developmental genetics.

Applicants should send their curriculum vitae, a statement of research interests, and at least three letters of reference to:
Dr. William Timberlake
Chairman, Search Committee
Department of Genetics
University of Georgia
Athens, GA 30602–7223

Application deadline is November 20, 1992. The University of Georgia is an Affirmative Action/Equal Opportunity Employer.

DEPARTMENT OF BIOCHEMISTRY (MICHIGAN STATE UNIVERSITY)

The Department of Biochemistry seeks applications for a tenure track position at the ASSISTANT PROFESSOR rank. Applicants should have demonstrated productivity and evidence of potential for independent research in an area related to protein structure. The successful applicant will be expected to participate in the Center for Protein Structure and Design, an area of emphasis developed with support of Research Excellence Funds provided by the State of Michigan. The Biochemistry faculty has actively endorsed efforts to increase the diversity of its ranks, and accordingly, applicants to all ranks currently underrepresented in academic science are encouraged to apply.

The Department of Biochemistry has a large faculty conducting research in most areas of contemporary biochemistry and molecular biology, providing both a stimulating scientific atmosphere and opportunities for research collaboration. The Department occupies a modern research building with well-equipped research and teaching laboratories, and has vigorous undergraduate, graduate, and postdoctoral training activities. Applicants should submit curriculum vitae, a description of research accomplishments and future interests, and three letters of recommendation. Applications should be sent to: Dr. John E. Wilson, Chair, Department of Biochemistry, Box S, Michigan State University, East Lansing, MI 48824. To assure consideration, applications should be received by November 1, 1992. Michigan State University is an Equal Opportunity/Affirmative Action Employer.

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POST DOCTORAL FELLOWSHIPS

Immunex Corporation is a Seattle-based biotechnology company focused on the research, development, manufacture and marketing of products to treat cancer and autoimmune disease and is a world leader in cytokine research (see references). We are seeking qualified candidates for 2-year postdoctoral positions available in the departments and disciplines of Molecular Biology, Biochemistry, Protein Chemistry, Transgenics, Immunology, Experimental Hematology, Cell Biology, and Biophysics, beginning in January 1993. ■ Successful candidates will be highly motivated Ph.Ds, who are able to work in a collaborative environment and have a significant research track record in one of these disciplines. ■ Research activities will be oriented toward the molecular basis of immune regulation and cytokine action, particularly the cloning of novel cytokines, cytokine receptors and other immunoregulatory molecules, analysis of the biological activities of these molecules, the signal transduction pathways by which they act and investigation of the structural basis of ligand-receptor interactions. A significant effort will be devoted to the study of in vitro and in vivo models of normal and abnormal immune regulation and hematopoiesis as a means to identify novel immunoregulatory molecules and to characterize their biological activities. ■ Immunex Corporation offers a fast paced, stimulating environment, competitive salaries and an excellent benefits package. We are located in downtown Seattle, in full view of Puget Sound and the Olympic Mountains. Many recreational and cultural activities are easily accessible. ■ For consideration, please send or fax your curriculum vitae, three letters of reference and a brief statement of research interests to: IMMUNE CORPORATION, Attn: Human Resources, 51 University Street, Seattle, WA 98101. Fax: (206) 623-4572. Equal Opportunity Employer.

REFERENCES

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Clinical Research Scientist I/II

Refer to Positions #63389-3 and #64075-19

Clinical Research Scientist I-Must have a Master’s degree in a biological, physical or health-related science or a Doctor of Pharmacy degree with a minimum of four years of clinical research experience (e.g. employment in a patient care setting, such as nursing or pharmacy; clinical laboratory experience; experience as a clinical research monitor/coordinator) OR a Ph.D. in one of the disciplines described above, with a minimum of one year of clinical research experience. Scientific writing assessment.

Clinical Research Scientist II-Must have a Master’s degree or Doctor of Pharmacy with 6 years of clinical research experience as described above OR a Ph.D. with 3 years of clinical research experience. Scientific writing assessment.

Other factors to be considered include prior experience in life sciences, computer experience, and willingness to travel frequent.

Position will be filled at the Clinical Research Scientist I or Clinical Research Scientist II level. The level of responsibility to be assigned will depend upon the individual applicant’s educational background and experience level.

Clinical Research Associate III

Refer to Position #63946-19

Candidates need 2 years of graduate training in a health-related discipline (to include, but not be limited to, Master’s or Pharm.D. degrees) PLUS 2 years of clinical research experience (e.g. employment in a patient care setting such as nursing or pharmacy; clinical laboratory experience; experience as a clinical research monitor/coordinator) OR a Ph.D. in a biological, physical, health or other related science. Scientific writing assessment.

Other factors to be considered include prior work experience in a multidisciplinary research/medical setting, computer experience and data analysis experience. May require frequent travel.

In addition to the advantages of our stimulating and challenging atmosphere, Burroughs Wellcome Co. offers one of the best compensation and benefits packages in the industry, including comprehensive health and dental plans, life and disability coverage, tuition reimbursement, relocation benefits, pension and investment savings plans, fitness facilities and more. To apply, please send your resume indicating position number in your cover letter, by September 14, 1992, to Burroughs Wellcome Co., Recruiting and Staffing, 3030 Cornwallis Road, Research Triangle Park, NC 27709.

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Research Associate

NEUROBIOLOGY

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We currently seek a meticulous, highly motivated Research Associate to test new growth factors for neurotropic activity (survival, neurite outgrowth, etc.) in primary neuronal cultures. Responsibilities include performing dissections under microscope, immunohistochemistry on cultured cells, and maintaining tissue culture laboratory equipment. The successful candidate must have a Bachelor's degree, demonstrated tissue culture skills, and the ability to interact well with others and a willingness to learn. Experience with microdissection desirable. A background in cell biology/neurobiology strongly preferred.

Amgen offers a very competitive compensation and benefits package. In addition to a stimulating work environment, if you have the necessary qualifications and would like to be part of an organization that shares its highest value on the contributions of its people, send your resume to: Amgen, Inc., Staffing Department, Code #5-501, Amgen Center, Thousand Oaks, CA 91320-1789.

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INTERNATIONAL RESEARCH AND DEVELOPMENT CORPORATION is a leading independent contract research laboratory specializing in animal safety evaluation studies for the pharmaceutical, agricultural, chemical, and consumer industries as well as governmental agencies.

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IRDC IS AN EQUAL OPPORTUNITY EMPLOYER
The University Corporation for Atmospheric Research

VICE PRESIDENT of UCAR and DIRECTOR
of the WALTER ORR ROBERTS INSTITUTE

The University Corporation for Atmospheric Research (UCAR) is a consortium of 59 institutions in the United States and Canada with doctoral programs in the atmospheric and related sciences. UCAR oversees a wide range of programs and facilities that serve its members and the world scientific community from its Boulder, Colorado location. Other activities include extensive support for visiting scientists and the management of interagency research programs.

VICE PRESIDENT

The Vice President will assist the UCAR President in representing UCAR and its programs in the constituent UCAR communities, with particular focus on maintaining excellent communications and relationships with the universities, public and private sponsors, legislative and executive branches of the Government, and the private sector. A secondary function will be identifying and developing new program opportunities consistent with UCAR’s strategic plan.

The successful candidate will serve as one of six senior executives who act as advisors to the President of UCAR in matters related to strategic planning, policy development, and implementation of operational plans.

The Vice President will have oversight of the UCAR Office of Government Affairs (OGA), the Development Office, the Corporate Affiliates Program (CAP), and the Walter Orr Roberts Institute.

DIRECTOR, WALTER ORR ROBERTS INSTITUTE

The Vice President will also serve as the Director of the Walter Orr Roberts Institute, and will be responsible for the overall executive leadership and success of the Institute. Responsibilities include direct management of the Institute, including staff recruitment and formulation/execution of plans, budgets and priorities. The Institute is named in honor of the founder of the National Center for Atmospheric Research, and is devoted to the application of scientific research for the betterment of humankind. The Institute “translates” traditional research products into information of use to policy makers, corporate and government sectors, and the general public.

QUALIFICATIONS NEEDED

To be considered for this position, the successful candidate must have demonstrated ability in providing executive level leadership in a broad range of intellectual endeavors of significance to UCAR. This must include a demonstrated record of outstanding, national-level achievement in one or more of the following arenas: science, education, industry, technology or public policy.

Other desired qualifications include:

- Demonstrated ability in the areas of strategic and resource planning, management and administration of complex activities.
- Demonstrated understanding of national policies that affect the atmospheric and related sciences and ability to influence policy discussions/decisions.
- Highly developed and effective oral and written communication skills.
- Ability to motivate, lead and interact with a diverse work force.
- Ability to gain and hold the confidence of the atmospheric and related scientific community.
- Ability to deal effectively with the leadership of educational institutions, Federal agencies, corporations, private foundations, professional societies and consortia, and research centers.

The President of UCAR wishes to appoint the Vice President and Director of the Walter Orr Roberts Institute in the fall of 1992. Nominations should be made as soon as possible and applications should be received by 30 September 1992, to receive the fullest consideration. Applications should include a letter of interest, curriculum vitae, list of publications and a minimum of five references.

Applications should be mailed to Dr. Warren M. Washington - Chair, Vice President Search Committee, c/o W. S. Shiver, University Corporation for Atmospheric Research, P.O. Box 3000, Boulder, CO 80307-3000.

The Vice President position is a senior level management position within UCAR. The 1992 salary is $94,720 to $142,080, depending upon the qualifications and experience of the incumbent, plus an excellent benefits package. Terms of employment will be negotiated based on the experience and demonstrated capabilities of the candidate. Additional information can be obtained from Mr. Shiver at (303) 497-1674, or by facsimile at (303) 497-1654.

UCAR is committed to diversifying its workforce and invites nominations of, and applications from, women and minorities.

University Corporation for Atmospheric Research
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**Senior Biologists**

Participate in the development of new vaccines against viral diseases and of new models for such diseases. Ideal candidates will have solid experience in basic techniques used in immunology, virology, tissue culture, or molecular biology and in *in vitro* models of viral diseases. These positions require a B.S./M.S. in the appropriate scientific discipline (Molecular Biology, Biology, Immunology, Microbiology, Biochemistry) with 4-5 years related laboratory experience. Experience in *in vitro* and *in vivo* papillomavirus models desired. Senior Molecular Biologists should have a strong background in Molecular Biology & Virology. Experience with most areas of recombinant DNA technology including construction of recombinant viral vectors, DNA sequencing. Northern & Southern hybridization is desirable.

Wyeth-Ayerst offers an attractive salary, comprehensive benefits package and opportunities for advancement for the right candidate. For immediate consideration, forward your resume and salary history/requirements to: Wyeth-Ayerst Research Personnel, Dept. SG, P.O. Box 8299, Philadelphia, PA 19101-0082. Equal Opportunity Employer. M/F/D/V responses encouraged.

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To qualify, you must have a Ph.D. or equivalent in the Biological Sciences with extensive publications, or an MS degree with at least five years of pharmaceutical research experience in clinical research or regulatory affairs, including extensive preparation and review of clinical documents for regulatory submission. You will be responsible for preparing investigational drug brochures, reports summarizing clinical trial results, and other summary documents for NDAs/product license applications/international registrations.

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**POSITIONS OPEN**

**MOLECULAR CYTOGENETICIST** at the University of Arizona Health Sciences Center. The position is non-tenure track at the level of RESEARCH ASSISTANT or ASSOCIATE PROFESSOR with an appointment in the Department of Pathology and the Arizona Cancer Center. Applicants should have a Ph.D. or M.D. and have demonstrated expertise in the field. The successful candidate will be Laboratory Director of the Clinical Cytogenetics Laboratory at the University Medical Center and will be expected to develop an independent competitive research program in tumor cytogenetics and be interested in the application of state-of-the-art molecular cytogenetics to clinical problems. There will be the opportunity to be an active participant in the Cancer Center's NCI-funded Cytogenetic Oncology Program Project. Submit curriculum vitae and letter of interest to: Dr. Garth Pows, Director of Basic Science, Arizona Cancer Center, Tucson, AZ 85724. Applications will begin to be considered October 1, 1992 and continue until the position is filled. The University of Arizona is an Equal Opportunity/Affirmative Action Employer.

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**PRESIDENT NEW JERSEY MARINE SCIENCES CONSORTIUM**

The New Jersey Marine Sciences Consortium (NJMSC) is a not-for-profit alliance of 30 colleges and universities in New Jersey, New York, and Pennsylvania. NJMSC is presently headquartered in Sandy Hook, New Jersey, and is the designated Sea Grant (College Status) institution in New Jersey. The Consortium is seeking a dynamic person to assume the position of President. Applicants must have a Ph.D. (or equivalent) in a marine related discipline, evidence of mature and sustained scholarship, and a record of management capability. In addition, the successful candidate should have a record of fund-raising (both public and private) including grant and contract development. The search will remain open until the position is filled. A letter of application, curriculum vitae, and contact information for three referees should be sent to: Dr. Joseph E. Naddeo, Associate Dean of Liberal Arts and Science, Rider College, 2083 Lawrenceville Road, Lawrenceville, NJ 08648-3099. An Equal Opportunity Employer.
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Research Biochemist

We require a MS or PhD in Biochemistry or related discipline, and 2+ years experience in the purification and characterization of proteins of bacterial origin. We strongly prefer research experience involving the mode of action of insecticidal toxins produced by Bacillus thuringiensis and analytical assay development. Reply to Job# 2834.

Research Entomologist

You will design experiments and develop techniques associated with screening and evaluation of new product leads. We require a PhD and 2+ years training in insect pathology or microbiology. Experience with microbial insecticides is preferred, as is supervisory background. Reply to Job# 5276.

Biochemist/Biochemical Engineer-Protein Isolation

You will support existing manufacturing efforts and develop process improvements and new process designs. We require a PhD or equivalent in Biochemistry or Biochemical Engineering and 3+ years in large-scale protein purification. Knowledge of cGMPs—especially regarding CBRR-regulated products—is preferred, as is supervisory experience and assay development background. Knowledge of conventional methods of protein characterization and analysis is essential. Reply to Job# 8082.

Cell Biologist/Biochemical Engineer-Mammalian Cell Culture

You will be involved in process development and support for large-scale mammalian cell culture. This includes monitoring production processes, performing lab scale studies, analyzing data, and identifying manufacturing improvements. Emphasis will be placed on optimization of cell growth and cell formation. We expect a MS or PhD in Cell Biology or Biochemical Engineering, 3+ years in mammalian cell culture, and knowledge of databases and contamination control. Reply to Job# 8084.

Bioprocess Development Purifications Specialist

You will develop isolation and purification processes for the recovery of pharmaceuticals and agricultural products sourced from fermentations. We require a PhD or equivalent in a related field of Chemistry and previous industrial experience in the practical application of extraction, crystallization, chromatography and analytical techniques. Reply to Job# 4538.

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OF MEDICAL RESEARCH

Institute of Advanced Studies

The University seeks to appoint a Director of the John Curtin School of Medical Research to succeed Professor David Curtis AC FRACP FAA FRM. The John Curtin School of Medical Research undertakes fundamental biomedical research of a long-term nature as well as shorter-term and applied projects. There are currently 24 research groups organised within four divisions: Biochemistry and Molecular Biology, Cell Biology, Clinical Sciences, and Neurosciences. The Director of the John Curtin School of Medical Research is expected to be a research scientist with an outstanding reputation for excellence in one or more of the broad areas of biomedical science pursued by the School, and preferably with experience in management and policy development in scientific research and graduate training. The Director will be responsible for the leadership of the School as an academic enterprise and for the management of its human and financial resources. The University therefore wishes to appoint an intellectual leader of international distinction in one or more of the disciplines of the School, experienced in management, and with the ability to sustain and develop linkages with universities and research institutions in Australia and overseas and with government and industry. The Director is responsible through the Vice-Chancellor to the Council of the University for the operation and development of the School, for its leadership as an academic enterprise, and for its administration and financial management. The successful candidate will be offered a continuing appointment as Professor of the University. The term of office as Director (up to seven years) will be fixed by the University in consultation with the person recommended. The remuneration package will include a professional salary of, currently, A$82,712 per annum, a director’s loading of A$7,918 per annum, a clinical loading for a medically qualified appointee, along with superannuation and other benefits and use of a University vehicle. A market loading determined by the University may also be payable. Support for the Director’s own research will be provided.

Contact officer: Professor G. M. Neutee, Deputy Vice-Chancellor and Director, Institute of Advanced Studies (tel. (61 6) 249 0180). Those interested in being considered for this appointment are invited to write to Warwick Williams, Secretary, Australian National University, GPO Box 4, Canberra, ACT 2601, Australia to obtain further information; this information is also available from Appointments (40905), Association of Commonwealth Universities, 36 Gordon Square, London WC1H OPF.

Closing date: 31 October 1992

Ref: JC.16.7.1.

The University reserves the right not to make an appointment.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

DIRECTOR, DIVISION OF ELEMENTARY,
SECONDARY AND INFORMAL EDUCATION
NATIONAL SCIENCE FOUNDATION
Washington, D.C. 20550

NSF’s Directorate for Education and Human Resources seeks qualified applicants to direct and manage activities of Division responsible for funding K-12 science, mathematics and engineering education in areas of teacher education, materials development and research programs for K-12 students, and for initiation and support of informal science education projects in science, mathematics and technology. Division has a staff of 45 employees and a FY 1992 budget of $197.4 million.

Appointment to this Senior Executive Service position will be on a career or 2–3 year limited term appointment basis with a salary of ES-1 ($90,000) to ES-4 ($104,000). Alternatively, selectee may be assigned under Intergovernmental Personnel Act provisions, retaining current salary and benefits. Applicants must have ability in planning large, complex programs in areas related to K-12 science and engineering education; demonstrated supervisory skills; and knowledge of current capabilities and trends of the scientific/engineering K-12 and informal science education communities.

Applicants should contact George Pittman on 202-357-9565 (hearing impaired individuals may call TDD-357-7492) to request vacancy announcements EP 92-8 (SES career); EP 92-18 (SES limited term) and/or EP 92-28 (IPA) for complete qualification requirements and application procedures. Applications must be received by September 22, 1992.

EQUAL OPPORTUNITY EMPLOYER

"MINORITIES IN SCIENCE... A SEARCH FOR SOLUTIONS"

13 NOVEMBER ISSUE

COVER STORY IN SCIENCE

In a first-time cover story, the 13 November issue of Science explores the complex problems and obstacles facing minorities as they work and compete in the scientific community.

HIGHLIGHTS INCLUDE:
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CAREER PROFILES
BARRIERS FACING MINORITIES
THE SEARCH FOR SOLUTIONS

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Don’t miss this first time advertising opportunity!
Contact Janis Crowley at (212) 496-7704.

Space Reservation Deadline: Tuesday, October 27
National Institute of Allergy and Infectious Diseases

NIH SEEKS 2 EXTRAMURAL SECTION CHIEFS

The Division of Allergy, Immunology and Transplantation is seeking outstanding physicians (M.D.), scientists (Ph.D.) or persons with equivalent experience for Chief of the Molecular Immunology Section, Basic Immunology Branch, and Chief of the Host Defense and Inflammation Section, Clinical Immunology Branch. Candidates should be broadly qualified and should have research experience in the fields of basic and/or clinical immunology.

Responsibilities include planning and conducting an extramural scientific research program and will permit the opportunity to maintain an academic affiliation. We offer a competitive salary and outstanding benefits.

This is a GS-14 position with a starting salary range between $54,607 and $63,707 per annum. Physicians comparability allowance up to $20,000 may be applicable.

Please send resume or your Application for Federal Employment (SF-171) to:

Dr. Robert A. Goldstein
DAIT, NIAID
National Institutes of Health
Public Health Service
Solar Building, Room 4A18
6003 Executive Boulevard
Rockville, MD 20852
Telephone: (301) 496-1886

U.S. Citizenship Required
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NATIONAL INSTITUTE OF MENTAL HEALTH

Alcohol, Drug Abuse, and Mental Health Administration *

U.S. Public Health Service

Associate Director for Brain and Behavior Scientific Technology and Resource Program (BB/STAR), GM-15

Division of Basic Brain and Behavioral Sciences

Due to the National Institute of Mental Health’s expanding commitment to basic neuroscience and behavioral sciences research, NIMH is currently seeking qualified candidates to fill the position of Associate Director for Brain and Behavior Scientific Technology and Resource Program (BB/STAR), Division of Basic Brain and Behavioral Sciences. The Brain and Behavior Scientific Technology and Resource Program (BB/STAR) will address national policy issues in biomedical science. BB/STAR, an NIMH pioneering program, is directly responsible for implementing a comprehensive research program for the development of new technology, and the potential for transfer to solve biomedical problems. Specific areas of research and evaluation include: clinical efficacy, projecting utility of new scientific breakthroughs, or determining distribution of new technology-based research centers. In addition, the BB/STAR program will include the development and management of the Congressionally mandated “set-aside” NIMH Small Business Innovation Research Program and the Small Instrumentation Program.

This position requires a Ph.D. in one of the following: physics, mathematics, computer science, electric engineering, biotechnology, or a field closely related. In addition to an appropriate degree, the scope of these activities requires thorough knowledge in the areas of basic biomedical, behavioral and clinical science. The incumbent’s accomplishments in the field must be sufficiently significant to allow him/her to attract the attention of the scientific community and to establish productive working relationships with private industry, national and international.

The salary range is from $64,233 to $83,502 per annum. Benefits include a retirement plan, health and life insurance, sick and annual leave. Relocation expenses may be paid. Duty station is Rockville, Maryland. U.S. citizenship is required.

Vacancies will be filled through the Civil Service or an appointment in the Commissioned Corps of the U.S. Public Health Service. Women and minority group members are invited to apply. Interested applicants should submit a current curriculum vitae and bibliography to: Ms. Gerri Topaz, Personnel, NIMH, Room 15C-12, 5600 Fishers Lane, Rockville, Maryland 20857. Applications will be accepted until December 30, 1992 or until filled. This position will not be filled before October 1, 1992. *

Under the ADAMHA reorganization effective October 1, 1992, NIMH will become an Institute of the National Institutes of Health.

AN EQUAL OPPORTUNITY EMPLOYER

FACULTY POSITIONS

IN BIOCHEMISTRY AND MOLECULAR BIOLOGY

THE UNIVERSITY OF CHICAGO

The Department of Biochemistry and Molecular Biology at The University of Chicago invites applications and nominations for several tenure-track and tenured faculty positions. Candidates should have a strong record of outstanding research accomplishment in an area of modern biochemistry and molecular biology. Applications should include a Curriculum vitae, a list of publications, a summary of current research activities and future research plans, and the names of at least three individuals from whom letters of references may be solicited. Although there is no deadline, we would appreciate receiving applications or nominations by November 1, 1992. Please send applications or nominations to:

Ken Agarwal
Chairperson, Faculty Search Committee
Department of Biochemistry and Molecular Biology
The University of Chicago
920 East 58th Street
Chicago, IL 60637

The University of Chicago is an Affirmative Action/Equal Opportunity Employer.
POSITIONS OPEN

The University of California, San Francisco School of Medicine invites applications for a tenure-track faculty position in the Program of Biological Sciences. The Department of Orthopaedic Surgery and the Program in Biological Sciences of the School of Medicine in San Francisco seek a molecular cell and/or developmental biologist whose primary interest is in the organization and function of bone and cartilage as tissues. The successful candidate for this tenure-track position should have a demonstrated expertise in connective tissue research primarily in osteogenesis and chondrogenesis. The successful candidate should be expected to develop an active and independent-focused research program and teach professional and graduate students.

Letters of application should be accompanied by curriculum vitae and bibliography, narrative description of plans for future research, and the names, addresses, and telephone numbers of three references to: Dr. Bruce Alberts, Chairman of the Search Committee, Professor of Biochemistry and Biophysics, Box 40448—HSE 920, University of California, Medical Center, San Francisco, CA 94143-0450 or Dr. David S. Bradford, M.D., Professor and Chairman, Department of Orthopaedic Surgery, University of California, Medical Center, San Francisco, CA 94143-0728.

FACULTY POSITION IN CHEMISTRY

The Department of Chemistry at Washington University in St. Louis invites applications for a tenure-track faculty position in the area of organic chemistry. The successful candidate will be in a position to teach graduate and undergraduate courses in organic chemistry. Research areas of interest are in synthetic organic chemistry, molecular recognition, and bioorganic chemistry. The department plans to offer a new Ph.D. degree program in chemical biology. Applicants should have an earned Ph.D. degree and a strong commitment to excellence in both teaching and research. Starting dates are negotiable. Applications should be submitted by September 15, 1992 to: Dr. William H. Nibert, Chairman, Department of Chemistry, One Brookings Drive, St. Louis, MO 63130. Washington University is an Equal Opportunity/Affirmative Action Employer, and employment eligibility verification will be required of the successful candidate. Applicant information must be United States citizens or hold United States permanent resident status.

POSITIONS OPEN

POSTDOCTORAL POSITION available for study the structure, function and regulation of the genes responsible for the human X-linked immunodeficiencies, particularly X-linked agammaglobulinemia. The work combines cell biology and recombinant DNA technology. Please send curriculum vitae, statement of research interests, and the names, addresses and telephone numbers of three references to: Dr. M. E. Conley, Department of Immunology, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38117. The University of Tennessee is an Equal Employment Opportunity/Title IV/Section 504/ADA/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION available immediately to study a correlation at molecular level between cytotoxic and immune responses. Send curriculum vitae, statement of research interests, and the names, addresses and telephone numbers of three references to: Dr. M. R. O'Connor, Department of Dermatology, Case Western Reserve University, Cleveland, OH 44106.

POSITIONS OPEN

POSTDOCTORAL POSITION in Developmental Neurobiology available immediately for an NIH funded study of the role of neuronal activity in cerebellar development. Send curriculum vitae, statement of research interests, and the names, addresses and telephone numbers of three references to: Dr. Hasan Mckhitar, Department of Dermatology, Case Western Reserve University, Cleveland, OH 44106.

POSITIONS OPEN

POSTDOCTORAL POSITION for NSF-funded research involving quantitative and molecular studies of microbe-plant-insect interactions. Ph.D. required, experience with molecular techniques preferred. Send curriculum vitae and three letters of recommendation to either: Dr. N. P. Love, College of Agriculture and Life Sciences, University of Wisconsin, Madison, WI 53706; or Dr. D. Tonkon, Department of Biological Sciences, University of Wisconsin, Madison, WI 53706. An Affirmative Action/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION in Cell Biology available immediately for the development of animal models of tumors or leukemia, human xenograft in nude mice, and tissue culture of human primary cells. Starting date is negotiable. Salary is $27,000 to $30,000. Canadian dollars. Send résumé to: Dr. H. Saliari, Department of Medicine, University of British Columbia, 2660 Oak Street, Vancouver, B.C. V6H 3Z6, Canada.

POSITIONS OPEN

POSTDOCTORAL POSITION, TUMOR BIOLOGY available in fall of 1992 to study the effects of radiation on the development of animal models of tumor or leukemia, human xenograft in nude mice, and tissue culture of human primary cells. Starting date is negotiable. Salary is $27,000 to $30,000. Canadian dollars. Send résumé to: Dr. H. Saliari, Department of Medicine, University of British Columbia, 2660 Oak Street, Vancouver, B.C. V6H 3Z6, Canada.

POSITIONS OPEN

TWO POSTDOCTORAL POSITIONS. Available immediately for joint project research at the Massachusetts Institute of Technology and Boston University to develop new biophysical and molecular biological methods for studying membrane proteins including bacteriorhodopsin. Strong background in molecular biology and/or nuclear acids desired. Opportunity to learn advanced biophysical techniques. Send curriculum vitae and letters of recommendation to: Professor K.J. Rothchild, Department of Physics, 590 Commonwealth Avenue, Boston University, Boston, MA 02215.

POSITIONS OPEN

TWO POSTDOCTORAL POSITIONS are available immediately in the CV/CNS Section to study potassium channels cloned from the heart and brain using electrophysiological and molecular biological techniques. The first position involves patch clamp and/or two-electrode voltage clamp; the second position involves cloning of cloned channels and mutations in cloned genes. Applicants should hold a Ph.D. and/or M.D. degree and have a strong related background. Please send curriculum vitae and names of references to: Dr. William H. Nibert, Department of Chemistry, Box 40448—HSE 920, University of California, Medical Center, San Francisco, CA 94143-0450. Washington University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL FELLOW, IMMUNOLOGY Positions available in the following subjects: T cell receptor structure and superantigen recognition with Dr. Nicholas R.J. Gascongne. Development and specificity of B cells with Dr. W.L. Hanra. Thymic selection and T cell receptor signalling with Dr. Jonathan Kaye. Send curriculum vitae, a brief statement of research interests and names of three references to: Mas. Alice Palestini, Department of Immunology/IMM-B, The Scripps Research Institute, 10666 North Torrey Pines Road, La Jolla, CA 92037. Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION available immediately to work on the molecular biology of recombination and its application to the study of the Human Genome Project. Send curriculum vitae to: Dr. William K. Hallowson, Box 62 Department of Microbiology, Cornell University Medical College, New York, NY 10021.

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Write to:

Science New Lab Service Department
1333 H Street, NW
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POTAMKIN PRIZE FOR
ALZHEIMER'S DISEASE RESEARCH

A prize of $100,000 will be awarded by the American Academy of Neurology to a person in recognition of major contributions to the understanding of the causes and the prevention, treatment, and ultimately the cure for Alzheimer's disease and related disorders.

Candidates may be nominated on a world-wide basis from any of the biological disciplines including biochemistry, molecular biology, molecular genetics, pharmacology, immunology, physiology, cell biology, neuropathology or epidemiology.

A nomination application, nominating letter citing the scientific accomplishments of the candidate in detail, two supporting nominating letters, a curriculum vitae, and up to six (6) selected reprints in nine (9) complete sets are required.

The deadline for receipt of materials is November 1, 1992. No nomination will be considered unless it is complete. The awardee must be present for the AAN Scientific Program, at its annual meeting in New York, New York, U.S.A., on Tuesday, April 27, 1993.

Request application and submit nomination to:

Potamkin Prize for Alzheimer's Disease Research
Award Committee
American Academy of Neurology
2221 University Avenue S.E.—Suite 335
Minneapolis, MN 55414
(612) 623-8115

The Potamkin Prize is funded through the philanthropy of the Potamkin Foundation.
**Research Associate Microscopy**

Searle, a world-wide leader in the pharmaceutical industry, is seeking an experienced professional for the position of Research Associate in our Product Safety Department.

While assisting in the daily operation of the electron microscopy laboratory, the professional in this position will manage the image analysis facility, generate primary databases for electron microscope studies, operate image analysis computers and provide input into the design and interpretation of experiments.

Qualified applicants will possess a B.S. (M.S. preferred) in Computer Science or a biomedical related field. Experience in electron microscopy, as well as work with image analysis and associated computers is required.

Searle offers an excellent salary/benefits package. For consideration, please send resume to: Searle, Human Resources, Dept. PB41, 4901 Searle Parkway, Skokie, IL 60077.

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**Postdoctoral Scientist**

**NEUROBIOLOGY**

Amgen has distinguished itself as the industry leader in the development of human therapeutic products through applications of biotechnology. As a result of our continuing commitment to the discovery and characterization of novel neurotrophic factors, we are actively seeking a Postdoctoral Fellow to contribute to the development of this program. This position requires a background in the neurobiology of learning and memory, and experience with rodent models of cognitive dysfunction.

Candidates must be familiar with classical conditioning and spatial learning paradigms in addition to experience with neuropharmacological techniques, including in vitro receptor autoradiography. Applicants must have a PhD in Neurosciences with a focus on learning and memory.

Amgen provides a stimulating and challenging research environment in which individuals are given the resources necessary to achieve their goals. Our compensation and benefits package reflects our commitment to attracting the best scientific talent available. If you have the necessary skills and would like to be a part of an organization that places its highest priority on its human resources, please send a complete CV, in confidence, to: Amgen, Inc., Staffing Department, Code #S-619, Amgen Center, Thousand Oaks, CA 91320-1783. Amgen is an equal opportunity employer.

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**Senior Scientist, Cellular Immunology**

Specific duties include collaborating with others to develop novel quantitative immunoassay technologies for detection of molecules important in immune function; establishing technical feasibility of novel assay systems; optimizing assay performance; documenting research results in technical reports; writing technical support literature; transferring technology to Production department; and recruiting other Research Scientists to assist in the above duties. The successful candidate will also participate in evaluating new technologies and assist in planning the future of Promega's Cellular Regulation program.

Qualifications include a Ph.D. in immunology or related field with 2-4 years of postdoctoral research experience. Knowledge of current literature in areas of adhesion molecules, integrins and immunoassay development is preferred.

To apply or for further information, send a resume and salary history to: Promega Corporation, Human Resources/SCI-CI, 2800 Woods Hollow Road, Madison, WI 53711-5399. An Equal Opportunity Employer.
DIRECTOR, DIVISION OF BIOLOGICAL INSTRUMENTATION AND RESOURCES
NATIONAL SCIENCE FOUNDATION
Washington, D.C. 20550

NSF’s Directorate for Biological Sciences is seeking qualified candidates for the position of Director, Division of Biological Instrumentation and Resources. The Division is responsible for programs in multiuser instrumentation and instrument development; biological facilities, including marine and terrestrial laboratory refurbishment; living material stock centers and biological databases, and computational biology.

This Senior Executive Service position, with a salary range of ES-1 ($80,000) to ES-4 ($104,000), is announced on a two-to-three year limited term basis. Alternatively, selectee may be assigned under Intergovernmental Personnel Act provisions, retaining current salary and benefits at home institution. Applicants must have a Ph.D. or equivalent experience in biophysics, structural biology, or related disciplines (e.g. biochemistry, molecular biology); substantial research contributions or innovative leadership in research administration in the biological sciences; and the ability to achieve organizational objectives through the supervision and management of subordinates.

Applicants should contact George Pittmon, Jr. on 202-357-9565 (hearing impaired individuals may call TDD 202-357-7482) to request Announcement EP-92-10 (SES limited term) and/or EP-92-20 (FPA) for complete qualifications requirements and application procedures. Applications must be received by 9/22/92.

Equal Opportunity Employer

DIRECTOR OF HEMATOLOGY to oversee and implement all aspects of immunohematological research to develop new drugs protecting hemopoietic and immune systems from anticancer cytotoxic treatment, investigate their effects on various cells, and development of physiological regulators of hemopoiesis and immunogenesis. Research will utilize the study of mechanisms of action on animal model systems and isolated human cells using in vitro and in vivo cell culture methods, testing effect of various compounds on hemopoietic precursors from murine bone marrow or model long term culture, cell proliferation and differentiation measurement using nonradioactive test systems, immunofluorescent methods, gel electrophoresis and investigative analysis of drug pharamkinectics and pharmacology. PhD in Biological Sciences plus 2 years experience as Director of Hematology. Previous experience must include two years hands-on experience performing immunohemato logical cancer research utilizing study of mechanisms of action on animal model systems and isolated human cells using in vitro and in vivo cell culture methods, testing effect of various compounds on hemopoietic precursors from murine bone marrow or model long term culture, cell proliferation and differentiation measurement using nonradioactive test system, immunofluorescent methods, gel electrophoresis and investigative analysis of drug pharamkinectics and pharmacology, 40 hours per week. M-F, 8:30 AM-5:30 PM, $60,000.00 per year. Send resume to Pro-Neuron, Inc., ATTN: KH, 1530 East Jefferson Street, Rockville, MD 20852. EOE.

Regulatory Affairs Managers

Procter & Gamble has immediate openings for experienced Regulatory Affairs Managers to be based in the worldwide headquarters for Corporate Regulatory and Clinical Development in Cincinnati. These positions are in both our prescription drug and OTC product areas.

Successful candidates for the regulatory positions will have a degree in Pharmacy, Life Sciences or Physical Sciences with 2-5 years of regulatory experience in the pharmaceutical industry. Excellent oral and written communication skills are of primary importance. Prior experience with drug regulations and regulatory submissions in the U.S. or other countries is desired. Experience with prescription or OTC products and monographs is also important.

Professionals selected for these positions will work in liaison with R&D and Marketing and participate in the design and implementation of drug development plans. They will be responsible for and act as the interfaces with the FDA for U.S. submissions and compliance, and with Procter & Gamble regulatory managers worldwide for international regulatory submissions.

Procter & Gamble is a world leader in the research, development, manufacture and marketing of a wide variety of consumer products in the health and beauty care, food and beverage, laundry and cleaning and paper products areas. Annual sales exceed 30 billion dollars, and the R&D budget is over $800 million.

P&G is the leading OTC product marketing company in the U.S. and also has a growing prescription drug business. Through a major commitment to building our strong health care businesses, the research and development organizations have established aggressive drug development programs which will provide excellent opportunities for personal and professional growth. P&G offers competitive salary and benefits packages placing us among the top 5% of U.S. firms.

For confidential consideration, please send a letter of introduction, resume and list of publications to:

For applicants with Ph.D.'s: Dr. N.G. Howell The Procter & Gamble Co. Regulatory Affairs Positions Dept. SCI P.O. Box 398707 Cincinnati, OH 45239-8707

For applicants with BS or MS degrees: Mr. T.W. Collins The Procter & Gamble Co. Regulatory Affairs Positions Dept. PJ2SM1 6090 Center Hill Avenue Cincinnati, OH 45224-1792

No Agency referrals, please. An Equal Opportunity Employer.
Lecturer/Senior Lecturer in Biochemical Parasitology, (Academic Level B). Continuing (on probation). DIVISION OF BIOCHEMISTRY AND MOLECULAR BIOLOGY, Faculties of Science, THE AUSTRALIAN NATIONAL UNIVERSITY. The Division of Biochemistry and Molecular Biology in the School of Life Sciences is seeking applicants for the post of continuing on probation (tenureable) Lecturer or Senior Lecturer in biochemical parasitology. The successful applicant, who should have a strong research background in biochemical or molecular parasitology, will be required to teach parasitology and molecular topics in his/her area of expertise. He/She will be expected to have, or to develop, an active research program capable of attracting independent funding in an area compatible with existing programs in the Division (molecular parasitology, parasite adaptation, parasite metabolism, parasite variation, immunology and pathology of parasite infection), and to supervise honours and postgraduate students in that area. Opportunities also exist for interaction with new research programs in nearby Research Schools and CSIRO Divisions. Applications are invited from qualified people with experience in biochemical or molecular parasitology. Enquiries: Professor C Bryant, Division of Biochemistry and Molecular Biology, Faculty of Science, Australian National University, Canberra, ACT 2601, AUSTRALIA. Telephone: (61 6) 249 2284; Fax: (61 6) 249 0313. Closing Date: 15 September 1992 Ref: A$41,000-A$48,688 P.

LECTURER IN MICROBIOLOGY (Academic Level B) Continuing (on probation). The Division of Biochemistry and Molecular Biology of the School of Life Sciences is seeking applicants for the post of continuing on probation (tenureable) Lecturer in microbiology. The successful applicant, who should have a strong research background in biochemical or molecular microbiology, will be required to teach introductory and general microbiology and other topics in his/her area of expertise. He/She will be expected to have, or to develop, an active research program capable of attracting independent funding in an area compatible with existing programs in the Division (molecular microbiology, plant-microbe interaction, parasitology, cyanobacteriology), and to supervise honours and postgraduate students in that area. Opportunities also exist for interaction with research programs in nearby Research Schools and CSIRO Divisions. Applications are invited from qualified people with experience in biochemical or molecular microbiology. Enquiries: Dr M J Weidemann, Head of Division of Biochemistry and Molecular Biology, Faculty of Science, Australian National University, Canberra ACT 2601, AUSTRALIA. Telephone: (61 6) 249 2284; Fax: (61 6) 249 0313. Closing Date: 15 September 1992 Ref: FS 29.7.2. Appointment for both positions will be until retirement, subject to a four year probationary period. The University reserves the right to make a non-continuing appointment.

DIVISION OF BOTANY AND ZOOLOGY: The Division of Botany and Zoology of the School of Life Sciences is seeking to fill two continuing on probation lectureships from among the following three research areas.

LECTURER IN BOTANY (Academic Level B) Continuing (on probation), Plant Reproduction (Botany). The successful applicant will be involved in developing, organizing and contributing to undergraduate units in botany, supervision of honours and graduate students, and will be expected to develop a strong independent research program. Applications are welcomed from qualified botanists, but preference may be given to applicants whose research interest is the reproductive biology of angiosperms, and who are likely to be able to contribute to the four major research areas in the Division: evolutionary and developmental plant biology, population and community ecology, systematics, and functional botany. Closing Date: 15 September 1992 Ref: FS 29.7.3. LECTURER IN ANIMAL AND ORGANISATION GENETICS (Academic Level B) Continuing (on probation). The successful applicant will be involved in developing, organizing and contributing to undergraduate units in genetics and conservation biology, supervision of honours and graduate students, and will be expected to develop a strong independent research program. Applications are welcomed from qualified ecological geneticists, but preference may be given to applicants whose research interest is in conservation biology, or who are likely to be able to contribute to the four major research strengths of the Division (evolutionary and behavioural ecology, population and community ecology, systematics, and functional botany). Closing Date: 15 September 1992 Ref: FS 29.7.4. LECTURER IN MICROBIAL ECOLOGY OR SYSTEMATICS (Academic Level B) Continuing (on probation). The successful applicant will be involved in developing, organizing and contributing to undergraduate units in microbiology, ecology or systematics, supervision of honours and graduate students, and will be expected to develop a strong independent research program. Applications are welcomed from qualified ecologists or systematists working with fungi, bacteria or protozoa, but preference may be given to applicants whose principal interest is either the biodiversity of microorganisms or in plant/microorganism interactions. Closing Date: 15 September 1992 Ref: FS 29.7.5 Enquiries on these positions should be directed to Professor Andrew Cleveland, Telephone (61 6) 249 2866, Fax (61 6) 249 5573; e-mail: axc656@csc2.anu.edu.au. Salary: Lecturer A$41,000—A$48,688 p.a.; Senior Lecturer A$52,225—A$57,912. Applications addressing the selection criteria should be submitted in duplicate to the Secretary, The Australian National University, GPO Box 4, Canberra ACT 2601, AUSTRALIA, quoting reference numbers and including a curriculum vitae, a list of publications and the names of at least three referees. Preference will be given to candidates who have published in high quality journals. The University has a "no smoking" policy effective in all university buildings and vehicles. THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER.
Career Growth

Biogen is a profitable fourteen year old biotechnology company engaged principally in developing genetically engineered human pharmaceuticals. As a result of its early research, Biogen now derives revenues from five products being sold by its licensees or affiliates in various countries. Biogen currently directs its research and development into areas where the company has particular strength - inflammation, cardiovascular disease, AIDS and selected cancers.

Process Development

As a recognized leader in biopharmaceutical development, we continue to build our team of committed scientists and engineers working to bring Biogen’s newest generation of protein based therapeutics to the clinic. Our multi-disciplinary and highly interactive approach has created an exciting professional environment for discovery.

Analytical Biochemistry - Ph.D.

We currently seek a highly motivated Scientist with HPLC expertise to lead our expanding analytical Process Development efforts. Methods include amino acid analysis, peptide mapping, and carbohydrate analysis. Ideally you will have a strong background in creative troubleshooting, assay development, and computer literacy as well as excellent written and oral communication skills. Qualified candidates will possess a Ph.D. in Chemistry/Biochemistry, 3-5 years’ industrial experience, and at least 2 years’ supervisory experience. This position requires expertise in protein chemistry.

Process Biochemistry - Ph.D.

This position will challenge the highly motivated scientist to develop efficient purification methods through the fundamental understanding of product and process biochemistry. The successful candidate will have a Ph.D. in Biochemistry/Chemistry (or equivalent) with a proven expertise in Protein Biochemistry and Chromatographic Sciences. Previous experience in development of Large Scale Processes for cGMP production will be advantageous.

Process Biochemistry - BS/MS

This scientist will assist in the development of processes for the large scale purification of biopharmaceuticals. This work will include the rational development of separation steps and biophysical analysis of products. A BS/MS in Biochemistry or Chemistry (or equivalent) and laboratory experience is required. The ability to work in a multi-disciplinary environment is essential.

Analytical Biochemistry - BS/MS

This scientist will assist in the development and performance of HPLC assay techniques for protein and peptide biopharmaceuticals. A BS/MS in Analytical Biochemistry (or equivalent) is required. A strong technical background in analytical chemistry and the ability to work in a multi-disciplinary environment is essential.

Biogen offers what few companies in our industry can - Scientific Challenge, Stability, Profitability, and Growth. In addition, our compensation and benefits package, which includes relocation assistance, is one of the best in the industry, and is designed to attract and retain the finest talent available. If you are one of the best, you have an opportunity to join us now. Please forward your resume to: Professional Employment, Dept. S, Biogen, Inc., 14 Cambridge Center, Cambridge, MA 02142, FAX# (617) 252-9617. Biogen is an Equal Opportunity Employer.
Quality, Leadership & Innovation

Sanofi Diagnostics Pasteur, Inc. is an international leader in the design and development of medical diagnostic test kits and instrumentation for human diseases. Our continued growth and success has created new opportunities for highly motivated, talented professionals with research and development expertise. The successful candidate will focus on developing diagnostic tests for human allergic responses.

Ph.D. and M.S. level applicants trained in the life sciences, biochemistry or a related field coupled with 2-4 years of relevant experience are encouraged to apply. Experience in the field of human allergic responses or immunology is highly desired.

Sanofi Diagnostics Pasteur, Inc. is located in a western suburb of Minneapolis. We offer an excellent salary, benefits and relocation package and the opportunity for continued professional growth. For confidential consideration, please forward your resume to: Sanofi Diagnostics Pasteur, Inc., 1000 Lake Hazeltine Drive, Chaska, MN 55318. Attn: Human Resources. Equal Opportunity Employer.

Postdoctoral Research Scientist

2 Year Appointment
Available September 1, 1992

Opportunity to study the effects of dietary fiber on hormone metabolism and breast cancer. A recent Ph.D. with expertise in endocrinology and nutritional biochemistry would be most desirable.

Depending on qualifications, this position has the potential to become a long-term appointment at a higher level. The American Health Foundation provides an excellent opportunity for future independent research, within a modern environment in a pleasant Westchester County campus setting. We also offer a competitive salary plus benefits. If qualified, please send your c.v. with references, to: Dr. Leonard A. Cohen, Section Head, Division of Nutrition and Endocrinology, American Health Foundation, One Dana Road, Valhalla, New York 10595. We are an equal opportunity employer M/F/H/V.

American Health Foundation

Calgene Research Scientist in Biochemistry/Molecular Biology

Calgene, Inc., is a plant biotechnology company located in Davis, CA. The company's Medium-Chain Fatty Acid group is engineering the production of commercially important fatty acids in rapeseed. The pursuit of this objective requires continuing efforts in plant enzyme purification, gene isolation, and expression in transgenic plants.

Research Scientist in Biochemistry/Molecular Biology

Calgene seeks a highly motivated individual, able to take responsibility for part of the rapidly expanding research activities in this field. The successful candidate will work in a highly interactive, interdisciplinary group encompassing expertise in enzymology, analytical biochemistry, molecular biology and tissue culture, and will also interact with the company's product development and regulatory divisions. A Ph.D in an area of plant metabolic biochemistry and enzymology, along with at least one year of molecular biology is preferred. For more information, please contact Toni Voeller at Calgene, (916) 753-6313.

For consideration, submit your resume, a list of publications, and three references to Human Resources, Calgene, 1920 Fifth Street, Davis, CA 95616, AN-120-HR.

You Can Judge a Company By The Clarity of Its Vision.

For over a century, Abbott has been committed to improving the quality of human life through the development of advanced health care products. Now, you could join us and benefit from our Fortune 100 resources and strong, sustained growth.

METABOLIC ENGINEERING

As part of our efforts in the rational design of altered natural compounds by metabolic pathway engineering, we are seeking highly qualified scientists to fill three positions in the Department of Corporate Molecular Biology. The goal of the research program is to increase our understanding of the biosynthesis of complex polysaccharides, by manipulating the biosynthetic machinery of the microorganisms for the formation of novel derivatives of biologically active molecules. This department provides excellent facilities and equipment, and possibilities exist for collaboration with research groups within and outside the company. Publication in scientific journals and participation at scientific meetings are highly encouraged.

Postdoctoral Fellows: Two openings available. Qualified candidates will have a Ph.D. in Microbiology or Biochemistry with extensive familiarity with molecular biology techniques. Previous experience in gene manipulation in actinomycetes is highly desirable. Reply to Job 47558

Research Assistants: The qualified candidate will have a Bachelor's or Master's degree in Microbiology or Biochemistry, and experience in gene transfer systems, general microbiology and basic gene cloning techniques. Reply to Job 47476.

Abbott provides an excellent salary and benefit package including profit sharing and a stock retirement plan. We are located in a suburban setting, approximately 30 miles north of Chicago. For confidential consideration, please forward a resume (indicating Job #) and salary history to: Dept. AHR, Corporate Placement, Abbott Laboratories, One Abbott Park Rd., Abbott Park, IL 60064. Abbott is an Affirmative Action Employer/Smoke-Free Environment.

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ASSOCIATE DIRECTOR OF CLINICAL MICROBIOLOGY

The Department of Pathology, Division of Clinical Microbiology, Medical College of Virginia/Virginia Commonwealth University invites applications from Ph.D. or M.D. clinical microbiologists to share in the direction of a full service Clinical Microbiology Laboratory. The associate director will assist in directing the virology, chlamydiology, bacteriology, mycobacteriology, mycology, and serology laboratories. Additional responsibilities include teaching microbiology to medical, dental, and graduate students, and laboratory aspects of Infectious Disease to residents and fellows. The associate director will develop an active basic and/or applied research program. The level of academic appointment will depend on qualifications. ABMM-AAM or M-ASP certification or eligibility required. A detailed job description will be provided to all applicants.

Applications should include a curriculum vitae with names of three references and should be sent to:

Harry P. Delton, Ph.D.
Chairman, Search Committee
Department of Pathology
Medical College of Virginia/VCU
MCV Station, Box 957
Richmond, VA 23298-0597

Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.
Research Scientist

PHARMAUTICS & DRUG DELIVERY

As an innovative and creative leader in the development of recombinant DNA-based human therapeutics based on the principles of cellular and molecular biology, Amgen is turning research into important clinical solutions. Because of the success of such breakthrough products as EPOGEN® (recombinant human Erythropoietin) and NEUPOGEN® (recombinant human G-CSF), we are expanding our research and further strengthening our technical base.

We currently have an opening for a Formulation Scientist to study the stability of Amgen’s proteins and to develop aqueous and/or lyophilized formulations for our products. The ideal candidate will have a Ph.D. and postdoctoral experience in biochemistry, pharmaceutical chemistry or a related field. Research experience in areas of protein structure, analytical techniques (e.g. HPLC, electrophoresis, and others), and protein degradation pathways is essential. Industrial experience in preformulation and/or formulation development is preferred.

In addition to exciting, unique challenges, Amgen offers Research Scientists strong support for external collaborations and interactions with peers in the academic community. We offer an excellent compensation and benefit package. For consideration, please send your CV to: Amgen, Inc., Staffing Department, Code 4-460, Amgen Center, Thousand Oaks, CA 91320-1789. Amgen is an equal opportunity employer.

Principal only, please.

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Universität Ulm

The Department of Neural Information Processing at the University of Ulm offers a position on the level of

Associate Professor (C3).

Applicants should have some research experience in neural networks for signal-processing or data-analysis, for example in the fields of image- or speech-processing. They should also be interested in interdisciplinary work relating computer science and neuroscience.

Applicants should have teaching-experience and be ready to participate in the teaching of computer science courses.

Applications should be addressed to:

Dekanat der Fakultät für Informatik
z.H. Herrn Prof. Dr. G. Palm
Universität Ulm
Postfach 80 046
W-7900 Ulm
Germany

until October 10th, 1992.
POSTDOCTORAL FELLOW Available immediately for M.D. or Ph.D. with background in molecular biology or genetic research. Candidate to work with team to map loci predisposing to cancer, refine linkages, develop physical and genetic map around loci and isolate them. Position for two years minimum, competitive salary. Send curriculum vitae and three letters of reference to: Mark Skolnick, Ph.D., Genetic Epidemiology, University of Utah, 420 Chipeta Way, Room 180, Salt Lake City, UT 84110. Equal Opportunity Employer.

POSTDOCTORAL FELLOW Position available to investigate the response elements required for endotoxin-induction of the interleukin-1 β gene. Position requires background in southern and northern blot analysis, reporter gene assays, gel mobility shift assays, transfection, etc. Level of Ph.D. degree, American citizenship, permanent resident or noncitizen national required. Forward curriculum vitae and names of three references to: Dr. Charles E. McCall, Department of Medicine, Microbiology and Immunology, Bowman Gray School of Medicine of Wake Forest University. FAX: 919-716-7492. We are an Equal Opportunity/Affirmative Action Employer.


POSTDOCTORAL/RESEARCH ASSOCIATE POSITION IN AVIAN IMMUNOLOGY. The University of Minnesota, College of Veterinary Medicine is currently seeking applicants for a postdoctoral/research associate position available January 2, 1993. This position will involve research on immunology of recombinant avian viral vaccines. Although the incumbent will conduct independent research, he/she will be a member of a team actively engaged in avian infectious disease and immunology research. The qualified candidate will hold a Ph.D. in Immunology, Virology, Microbiology, or a related field. If the Ph.D. has been received within the past three years, the individual will be appointed as a Postdoctoral Associate; if the Ph.D. was received more than three years ago, the individual will be appointed as a Research Associate. The outstanding candidate will hold both a D.V.M. (or foreign equivalent) and a Ph.D. The position is a renewable, 12-month appointment with a salary of up to $23,508 per year. A letter of application, curriculum vitae, and names, addresses and telephone numbers of three references should be sent to: Dr. J. M. Sharma, University of Minnesota, College of Veterinary Medicine, 1971 Commonwealth Avenue, 258 Veterinary Science Building, St. Paul, MN 55108. Application deadline: October 31, 1992. THE UNIVERSITY OF MINNESOTA IS AN EQUAL OPPORTUNITY EDUCATOR AND EMPLOYER.

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Classified Advertising Department Telephone: 202-326-6555
FAX: 202-682-0816
POSTDOCTORAL RESEARCH FELLOWSHIP: A position is available to study the molecular biology of human thromboxane A2 receptors. Recombinant DNA technology, protein purification and ligand binding techniques are used. A background in molecular biology and/or protein chemistry is required. Send curriculum vitae to: Perry V. Halushka, Ph.D., M.D., Department of Cell and Molecular Pharmacology, Medical University of South Carolina (MUSC), 171 Ashley Avenue, Charleston, SC 29425. MUSC is an Equal Opportunity/Affirmative Action Employer.

LOYOLA UNIVERSITY MEDICAL CENTER/ HINES VA HOSPITAL DEPARTMENT OF PATHOLOGY

POSTDOCTORAL RESEARCH ASSOCIATE: A postdoctoral position is currently available to study immune suppressive mechanisms induced by tumors. Candidates must have a Ph.D. with training and experience in either biochemistry, molecular biology or cellular immunology. Send letters of inquiry, current curriculum vitae, and names of three references to: Dr. M. Rita Young, Research (151-Z2), Hines VA Hospital, Hines, IL 60453-2069.

POSTDOCTORAL RESEARCH ASSOCIATE: A postdoctoral position is currently available in the area of molecular pathology of human cancer. Candidates must have a Ph.D. in biochemistry or molecular biology with training and experience in immunology. Send letters of inquiry, current curriculum vitae, and names of three references to: Dr. John Nawrocki, Research (151-Z2), Hines VA Hospital, Hines, IL 60453-2069.

POSTDOCTORAL RESEARCH ASSOCIATE: A postdoctoral position is currently available in the area of molecular pathology of human cancer. Candidates must have a Ph.D. in biochemistry or molecular biology with training and experience in immunology. Send letters of inquiry, current curriculum vitae, and names of three references to: Dr. John Nawrocki, Research (151-Z2), Hines VA Hospital, Hines, IL 60453-2069.

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SCIENCE's 2nd Annual
CAREERS IN SCIENCE
18 September 1992

The second annual Careers issue is custom-designed for recruitment. This special cover story is the ideal environment for your message and will include:

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With a recruitment ad in SCIENCE, you are guaranteed a worldwide circulation of 155,000 qualified, paid subscribers, and a pass-along readership of over 470,000 total readers.* SCIENCE, in its 112th year of publication, is the most respected journal in the industry, ensuring that your ad will be well-read.

For more information or to place your ad, please call Janis Crowley, Recruitment Advertising Manager, at 212-496-7704

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*Harvey Research
POSTDOCTORAL
FELLOWSHIP

A 2-year postdoctoral position in pulmonary pharmacology is currently available in the Pharmacology Department at ICI Pharmaceuticals Group.

Candidate will be involved in on-going research concerning effects and mechanisms of effects of C-fiber activation in the airways. Studies will also involve modulation of C-fiber responses.

PhD or equivalent in a biological science is required. Experience with isolated tissue preparations and measurement of physiological or pharmacological responses is preferred.

Interested candidates should submit a c.v. to: Melanie M. Lewis, Human Resources, ICI Pharmaceuticals Group, Concord Pike and New Murphy Road, Wilmington, DE 19897.

An Equal Opportunity Employer M/F.

THE ROCKEFELLER UNIVERSITY

seeks applications for positions in the interface between

FIELD BIOLOGY and NEUROBIOLOGY

The Rockefeller University is seeking to strengthen its program in the Neurosciences by hiring uncommonly bright independent researchers in field and evolutionary biology, ethology and neuroethology. Tenure track positions are available at the Assistant Professor and Associate Professor level. Applicants should have an interest in one or more of the following areas: ontogeny, learning, evolution, social systems and reproduction, animal communication, animal orientation, perception, animal cognition, aging, environmental physiology and stress, as they relate to natural history, behavior and brain function. Space and facilities are available at the University’s Manhattan campus and at The Rockefeller University’s Field Research Center (F.R.C.) for Ecology and Ethology in Millbrook, NY. Millbrook is in the Hudson Valley 80 miles to the north of Manhattan. The F.R.C. has 1,200 acres of natural habitats, including fields, forests, bogs, streams and ponds, where researchers can combine field and laboratory studies.

Applicants should send their CV, a one page description of their research interests, copies of up to three representative publications, and the names and addresses of three potential references to:

Fernando Nottebohm
Rockefeller University
Field Research Center
Tyrrel Road, RR2, Box 38B
Millbrook, NY 12546

Rockefeller University is an equal opportunity-affirmative action employer.

THE ROCKEFELLER UNIVERSITY

SECTION LEADER/
SENIOR PRINCIPAL SCIENTIST

BIOCHEMISTRY

We’re Boehringer Ingelheim Pharmaceuticals, Inc., a worldwide leader in the pharmaceutical industry, with an opportunity for an experienced Senior Level Scientist to conduct team-oriented drug discovery research in the bioregulatory processes involved in immunology and inflammation.

The qualified candidate will have a Ph.D. in Biochemistry or a related discipline and 5+ years relevant experience in immunology and intracellular signal transduction. In addition, a working knowledge of the drug discovery process and excellent managerial/communication skills are essential. A background in molecular biology is desirable.

Our commitment to attracting the most dedicated professionals is exemplified by our highly competitive compensation and benefits package.

For consideration, please send resume and salary requirements to: Dept. MH-15-236, Boehringer Ingelheim Pharmaceuticals, Inc., 900 Ridgebury Road, PO. Box 368, Ridgefield, CT 06877-0368. As a progressive health care company, we have a nonsmoking environment. We are an equal opportunity employer m/f/h/v.

Boehringer Ingelheim

Laboratory

Research Assistants

Regeneron Pharmaceuticals is committed to the research of neuronal growth factors and developing these proteins for the treatment of nervous system disorders. We seek a professional with Master’s level or B.A. and several (4-5) years experience with animal experimentation. Experience with small animal surgeries and histology is requisite. Knowledge of such biomedical techniques as SDS-PAGE, Western blotting, enzyme assays and data management is desirable.

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 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., BIN PD, Regeneron Pharmaceuticals, 777 Old Saw Mill River Road, Tarrytown, N.Y. 10591-6707. Equal Opportunity Employer m/f.
Adhesion Immunologist
Cellular or Molecular Immunology Scientist/Sr Scientist
PARKE-DAVIS Pharmaceutical Research Division, Warner Lambert Company, has an opening for a Cellular or Molecular Immunologist at the Scientist/ Sr. Scientist level to join our drug-discovery program in inflammation/immunology in the Immunopathology Department at our Ann Arbor, Michigan facility.

The successful candidate will perform research to elucidate the cellular and molecular processes mediating lymphocyte adhesion to various substrata and cell types. The candidate will investigate the effect of adhesive interactions on subsequent lymphocyte signaling events and functional responses. As a member of a large multi-disciplinary team oriented around the study of adhesion, the candidate will interact with scientists representing a number of potential therapeutic indications.

Requirements include:
- Ph.D. or equivalent in immunology
- Graduate or post-doctoral experience in the study of lymphocyte adhesion processes
- Documentation of accomplishments via publication in peer-reviewed journals
- Knowledge of current concepts involving lymphocyte activation and signal transduction mechanisms
- Desire to continue making significant contributions to the scientific literature

Interested persons should forward their CV and list of references to Human Resources, Box JDM-92274, PARKE-DAVIS Pharmaceutical Research Division, 2800 Plymouth Road, Ann Arbor, MI 48105. "Smoke-Free Work Environment"

For 104 Years, We've Been At The Forefront Of New Drug Discovery.

Since 1888, Abbott Laboratories has remained committed to improving the quality of human life. Now, you could join us and support our position as a health care pioneer.

POST-DOCTORAL POSITIONS
NIA Drug Discovery Group
Alzheimer's Disease

Bio-Organic Chemistry...You will be responsible for design and synthesis of probe and inhibitor molecules to study proteases and protein kinases involved in neurodegenerative processes. Experience in synthetic chemistry and inhibitor enzyrnology is essential. Familiarity with protein biochemistry, molecular biology, and protein molecular modeling is desirable. Reply to Job# 48647A.

Protein Biochemistry/Immunocchemistry...You will be responsible for identification and isolation of proteases and kinases involved in neurodegenerative diseases. Experience in protein biochemistry and immunocchemistry is essential. Familiarity with immune assay development, production of antibodies, chromatography, and molecular biology is desirable. Reply to Job# 48647B.

Abbott provides an excellent salary and benefits package including profit sharing and a stock retirement plan. We are located in an attractive suburban setting, approximately 30 miles north of Chicago. For confidential consideration, please forward a resume (indicating appropriate Job#) and salary history to: Patricia Handy, Corporate Placement, Abbott Laboratories, One Abbott Park Rd., Abbott Park, IL 60064. Abbott is an Affirmative Action Employer/Smoke-Free Environment.

Columbia University
College of Physicians and Surgeons
Department of Biochemistry and Molecular Biophysics

The Department continues its search for outstanding new FACULTY MEMBERS. Both tenured and tenure track positions are available.

Applications are invited from candidates with the Ph.D. degree or its equivalent and appropriate postdoctoral experience for positions in biochemistry and molecular biophysics. In the area of biochemistry we are seeking persons with research interests in developmental biology, neurobiology, and regulation of gene expression. We are particularly interested in persons whose research in these areas focuses on nucleic acid-protein interactions. In molecular biophysics, the areas of particular interest are three-dimensional structural analysis, protein folding, enzyme mechanisms, and protein-protein interactions.

Preference will be given to those people with strong records of research accomplishments. Interested candidates should submit a curriculum vitae, bibliography, reprints, summary of current and future research goals as well as letters of recommendation from three references. The Department is especially interested in women and minority candidates. All applications should be addressed to: Chairman, Department of Biochemistry & Molecular Biophysics, Columbia University, Health Sciences, 630 West 168th Street, New York, NY 10032.

Columbia University is an Equal Opportunity/Affirmative Action Employer.

Pharmacokineticist

ProCyte Corporation, a development-stage pharmaceutical company, seeks experienced scientist to head our pharmacokinetics program. ProCyte is developing peptide-copper compounds for a range of therapeutic applications. The company's strong R & D focus on in-house product development makes this an essential position to augment our expanding capabilities.

Requirements include a Ph.D. with up to 5 years PK/PD technical experience. Primary emphasis will be on design and implementation of preclinical/clinical protocols, ADME studies of peptide-copper drugs, data interpretation and FDA reporting.


PROCYTE CORPORATION
BIOCHEMICAL PHARMACOLOGY
Scientist (Position #92-52A)

Opportunity for a highly motivated individual to join a group employing cloning and expression techniques to develop human receptor and enzyme assays for pharmaceutical drug discovery and profiling. Experience with recombinant DNA and gene expression techniques desired, and a familiarity with immunology and with pharmacological techniques including radioligand binding, enzyme and cellular functional response assays helpful. Salary and responsibility commensurate with experience. Requirements include Ph.D. or equivalent experience in Molecular Biology, Biochemistry, Pharmacology, or related field.

PANLABS is a growing international company providing R&D services to the pharmaceutical industry worldwide for 22 years. Located in the high tech corridor north of Seattle. Submit CV with 3 references to:

PANLABS, INC.
Attn: Human Resources Manager
(Include Position Number)
11804 North Creek Parkway South
Bothell, Washington 98011-8805

An Equal Opportunity Employer

U.S.-FORMER SOVIET UNION EXCHANGE ON RADIOACTIVE WASTE MANAGEMENT

On behalf of the U.S. Department of Energy, the National Academy of Sciences is sponsoring an exchange program on radioactive waste management between scientists from the United States and the former Soviet Union.

The following areas of research are eligible for this program:

1. Policy and practices regarding environmental restoration and waste management associated with past and current operations related to the nuclear fuel cycle.
2. Problems of process design, development, and operations related to environmental remediation and control of materials contaminated by radioactive and other hazardous waste.
3. Research directed at improving the effectiveness, economics, safety, and public acceptability of methods of handling, storing, and permanently disposing of radioactive and associated hazardous waste.
4. Analyses and investigations related to waste partitioning to facilitate permanent disposal.
5. Analyses and investigations related to geological disposal of wastes.

Awards will cover the costs of international airfare, living allowance ($1000 per month for beginning graduate student in U.S., $1500-$2000 for senior scientist), and some scientific supplies (up to $300 per month) for a period of up to nine months. Applications must be received by September 15 for inclusion in a peer reviewed selection process; notification of awards will be made by October 15. Applications should include a description of the proposed research and its benefits, the proposed program for the participants, the qualifications (including CVs and publication lists) of the participants, the final research product, and the proposed budget. Recipients may use the funds for the 1992-1993 academic year. Please send applications and two recommendations to:

Peter MacDonald
Office for Central Europe and Eurasia
FO-204
National Academy of Sciences
2101 Constitution Ave., NW
Washington, DC 20418

MICROBIOLOGICAL ASSOCIATES, INC.

MICROBIOLOGICAL ASSOCIATES, INC. (MA) is a leading international provider of toxicological and biotechnology safety testing services. With our growing commercial and contract services businesses, we have immediate openings for Ph.D.s and other professionals to join our scientific, marketing and sales staffs.

The STUDY DIRECTOR positions will be responsible for direct interaction with clients and for the supervision of testing programs. The newly created MARKETING and SALES positions are part of MA’s global expansion plans.

IN VITRO TOXICOLOGY

MA has an expanding program to provide the latest in vitro techniques for not only skin and eye irritation but also more complex biological toxicities. We require a Study Director with postdoctoral training and 2-5 yrs. experience in toxicology or cell biology. Experience in the cosmetic or personal care products industries would be a positive asset.

MAMMALIAN TOXICOLOGY

Our Mammalian Toxicology Division performs specialty toxicology tests such as analysis of cell proliferation, infectivity of microbial pesticides and chemically induced alterations in gene expression. Individuals with 2-5 yrs. experience in a GLP-compliant industry or contract lab would be preferred.

CYTOGENETICS

A Study Director in Cytogenetics is required to manage in vitro and in vivo assay systems for the detection of chemically-induced chromosome damage. The ideal candidate will have excellent communication skills, knowledge of GLPs, and 2-5 yrs. experience in a testing environment.

TOXICOLOGY MARKETING MANAGER

Reporting to the VP, Marketing & Sales, the successful candidate will have 2-5 yrs. experience in marketing and/or sales of toxicology products or services and a B.S./M.S. degree in the biological sciences. Technical knowledge of genetic, mammalian or in vitro toxicology will be a plus.

WEST COAST REGIONAL ACCOUNT MANAGER

MA’s client base in the biotechnology and toxicology areas is expanding rapidly in the Western U.S. We require an experienced sales person to manage current accounts and further expand the client base. Preference will be given to individuals with demonstrated sales skills in a service oriented business. Technical knowledge of toxicology or biosafety testing will be required. The position will be located on the West Coast.

Join us as we build on our 40-year tradition of scientific excellence. Our state-of-the-art facilities are located in the Washington, D.C. suburbs. We offer attractive compensation packages that include relocation assistance. Please send your C.V. or resume to:

MICROBIOLOGICAL ASSOCIATES, INC.
9900 Blackwell Road
Rockville, MD 20850
Fax: 301/738-1036
EOE M/F/H/V
RESEARCH ASSOCIATE

Postdoctoral position to apply a plant-soil-water model to investigate the response of soil, water and vegetation to changes in the deposition of sulfur and nitrogen. The model will be applied to intensive study sites at the Hubbard Brook Experimental Forest in New Hampshire and the Adirondack Mountain Region of New York State. Strong background in computer modeling, data management, and biogeochemistry of terrestrial ecosystems is required as well as a demonstrated ability to conduct independent research. Submit curriculum vitae and three letters of reference to: Charles T. Driscoll, Department of Civil and Environmental Engineering, 220 David Hall, SYRACUSE UNIVERSITY, Syracuse, NY 13244-1190; telephone: (315) 443-2311; FAX: (315) 443-1243. Affirmative Action/Equal Opportunity Employer.

BIOGEOCHEMICAL MODELER, Research Support Specialist, minimum one year, full time, temporary position for studying forest ecosystems including data synthesis, modeling, and data management, with background in soil chemistry, hydrology or plant-atmosphere interactions desirable. Experience in SAS and spreadsheet-programming preferred. Send letter of application, three references, résumés and transcripts by September 15, 1992 to: Dr. M. J. Mitchell, SUNY-CEBU, Syracuse, NY 13210. SUNY—Research Foundation is an Equal Opportunity/Affirmative Action Employer.

MUCOLOGIST: Responsible for development and implementation of an antifungal drug screening program using plant extract containing materials—including design and implementation of antifungal method of action studies and preparation/validation of standard operating procedure for all assays and method of action studies. Ph.D. or Equivalent in Plant Pathology. Must have coursework in advanced mycology, microbiology, plant physiology, cell biology and biochemistry. Must be familiar with techniques for isolation and purification of biomolecules. Salary: $57,000 per year. Job site: Interview—San Carlos, California. Clip ad and send with résumé to: Shuman Pharmaceuticals 887 Industrial Road, Suite G San Carlos, CA 94070

STAFF POSITION

Available immediately for Ph.D. in cytogenetics. The individual will join a research team studying the cellular and molecular mechanisms of human B cell differentiation. The candidate should have at least two years of postdoctoral training in immunology. Salary is negotiable. The interested candidate is encouraged to send curriculum vitae to: Dr. Y. S. Choi Director, Laboratory of Cellular Immunology Alton Ochsner Medical Foundation 1520 Jefferson Highway New Orleans, LA 70121 An Equal Opportunity Employer

WOUND HEALING RESEARCHER

The University of Mississippi Medical Center Department of Surgery Division of Plastic Surgery Position available at the level of Ph.D. or Master's level with two years of experience in related fields. We are ideally seeking for a cellular researcher to direct projects related to wound healing growth factors, and the immunological response to biologic implants. Please send current curriculum vitae and references to: Dr. of interest to: Suman K. Das, M.D., Professor, Division of Plastic Surgery, 2500 North State Street, Jackson, MS 39216.
Challenges here are as endless as your imagination.

The Medical Radioisotopes and Reactor Applications Group at Los Alamos National Laboratory has positions available to work as members of a multidisciplinary team of nuclear chemists, separations chemists, synthetic chemists and biologists involved in nuclear medicine applications.

We're Los Alamos.

Life Scientist in Nuclear Medicine

The successful candidate will design and implement fundamental studies aimed at gaining understanding of the mechanisms of uptake and biodistribution of biomolecules in cellular and animal models with emphasis on mechanisms of uptake of radiolabeled compounds and development of targeting strategies to deliver radioisotopes to target tissues. The candidate will also perform studies of the behavior of these radiolabeled compounds in vitro and in vivo. These studies will lead to applications for new radiopharmaceuticals prepared from the wide variety of radioisotopes available from our accelerators and reactor. Will pursue research at the interfaces of nuclear medicine and structural/molecular biology.

The successful candidate must possess a Ph.D. or equivalent in the chemical, biological or pharmaceutical sciences. In addition, you must have demonstrated experience through publications and presentations in one or more of the following areas: molecular biology, cell biology, radiation biology, biochemistry or medicinal chemistry. A demonstrated knowledge of quantitation and mechanisms of uptake of compounds in cells, tissues, and animals is also required. It is also required that you have had experience with imaging analysis and related technologies. It is desirable that you have had experience with nuclear medicine or related biomedical field, plus experience handling radioactive compounds. Please respond to Job # 100188-AN when responding.

Nuclear Medicine Research Position

Research will involve the following:

- Experiments directed at the preparation of labeled biomolecules and performance of fundamental studies of the behavior of these radiolabeled compounds in vitro and in vivo.
- Development of new radiopharmaceuticals using the wide variety of radioisotopes available from our accelerators and reactor production efforts.
- Research at the interfaces of nuclear medicine and structural/molecular biology.
- Design and implement targeting strategies to delivery radioisotopes to target tissues.

The successful candidate must possess a Ph.D. or equivalent in the chemical, biological or pharmaceutical sciences. In addition, you must have demonstrated experience through publications and presentations in one or more of the following areas: bioinorganic chemistry, bioorganic chemistry, biochemistry, medicinal chemistry, molecular biology or radiation biology. A demonstrated knowledge of biological and biochemical separation and characterization of compounds is also required. It is desirable that you have had experience with quantitation and mechanisms of uptake of compounds in cells, tissues and animals, as well as having experience handling radioactive compounds. It is also desirable that you have had experience with imaging analysis and related technologies, plus experience in nuclear medicine or related biomedical field. Please indicate Job # 100034-AM when responding.

To formally apply for these position, interested candidates should forward a resume, indicating appropriate job number, to James Trout (MS P280), Personnel Services Division, Los Alamos National Laboratory, Los Alamos, NM 87545. Affirmative Action/Equal Opportunity Employer. Must be able to obtain a Department of Energy "Q" Security Clearance, which normally requires U. S. citizenship. Los Alamos National Laboratory is operated by the University of California for the U.S. Department of Energy.
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