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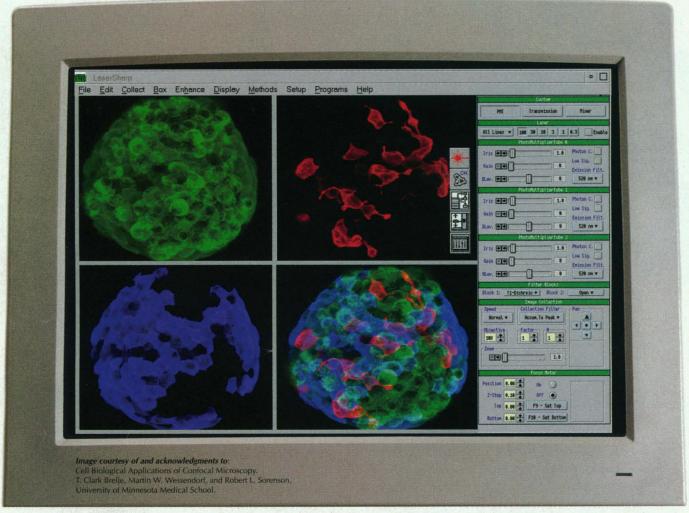
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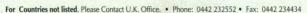


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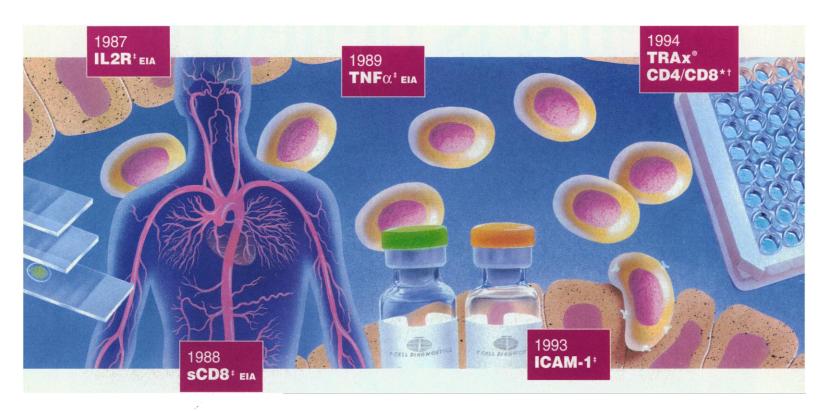
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Multimedia Software

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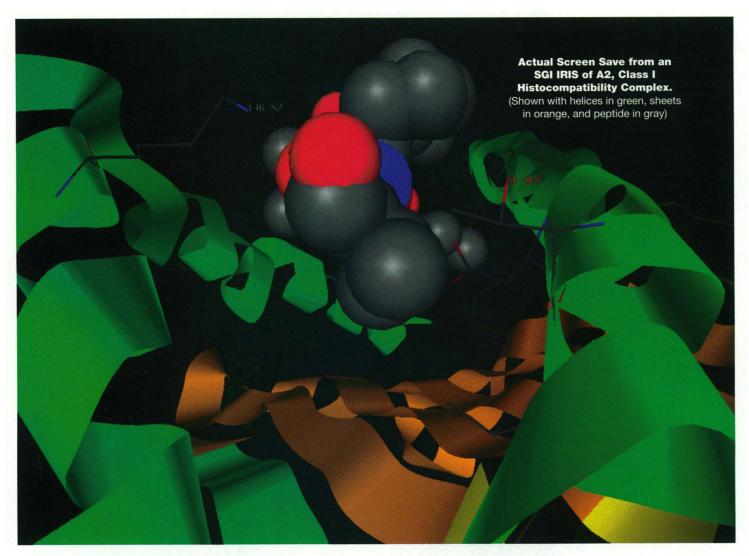
sound, without ever leaving the main editing screen. The manufacturer guarantees that if you cannot create a multimedia presentation within an hour of sitting down with the program, you can return it for a full refund. Ask Me Multimedia Center. Circle 147.

Literature

Focus on S-Series Mini Filter Housings is one of a series of four brochures detailing more than 15 improvements made to the S-series sanitary filter housings. Designed for sterile filtration of bulk solutions, tank venting, pharmaceutical preparations, and highpurity water, all four filter housing designs are available with custom features. Sartorius. Circle 148.

Orbital Shakers is a 20-page brochure on a line of tabletop and console model shakers in temperature ranges from 4° to 60°C. Forma Scientific. Circle 149.

DNA & RNA Synthesis Products lists about 400 products for use in the automated synthesis of DNA and RNA oligonucleotides. The catalog features phosphoramidites, prepacked reaction columns, bulk solid supports, oligonucleotide labeling reagents, and ancillary reagents and supplies, compatible with Applied Biosystems, MilliGen Cyclone, and MilliGen 8000 Series instruments. BioGenex. Circle 150.



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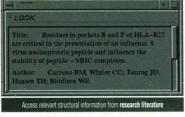
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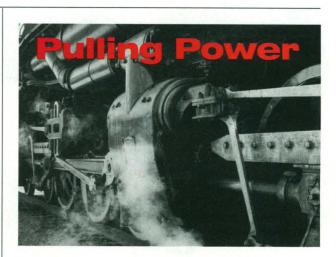
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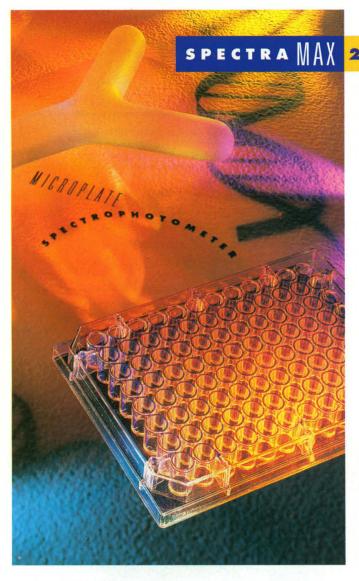
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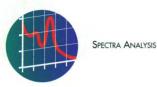
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MICROBIOLOGIST

Pending approval and funding, the Department of Biology at the University of San Francisco invites applications for a tenure-track position in Microbiology at the ASSISTANT PROFESSOR level anticipated to begin in the fall of 1995. Teaching responsibilities may include, inter alia, general microbiology (for majors or nursing students), advanced courses in microbiology with an emphasis in ecological microbiology, microbial remediation, microbial physiology or related fields, participation in the General Biology course for majors, and participation in the General Education Foundations of Natural Science course for non-science majors. The candidate will be expected to guide Master's-level graduate students and to develop an independent and ongoing research program. Qualifications: University teaching experience, evidence of scholarship, an earned doctorate by fall 1995 and an understanding of and commitment to support the mission of the University are required. Applicants should submit a letter of application, curriculum vitae, transcripts, brief description of research plans, evidence of teaching ability, and three letters of recommendation to: Microbiology Search Committee, c/o Carol J. Chihara, Professor and Chair, Department of Biology, University of San Francisco, 2130 Fulton Street, San Francisco, CA 94117-1080. Applications must be received by January 2, 1995, to ensure full consideration. We particularly encourage minority and women applicants for all positions. The University of San Francisco is an Equal Opportunity and Affirmative Action Employer, and provides reasonable accommodations to individuals with disabilities upon request. The University is a private Catholic and Jesuit institution, and particularly welcomes candidates who desire to work in such an environment.

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The Department of Plant Biology, Louisiana State University, invites applications for a tenure-track, ASSIST-ANT PROFESSOR in Plant Molecular Genetics, anticipated for August 1995. All applicants with research interests in plant molecular genetics will be considered although special consideration will be given to candidates with interests in mechanisms of gene regulation in developmental systems or signal transduction. Ph.D. or equivalent degree, postdoctoral experience in plant molecular genetics, evidence of creative research and a commitment to excellence in teaching are required. Responsibilities include development of an active research program, directing students and teaching in undergraduate and graduate courses. Review of applications will begin in November 1994 and continue until the position is filled.

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Send curriculum vitae, selected reprints, a brief statement of research goals and have three letters of reference mailed to: Genetics Search Committee, Department of Plant Biology, Baton Rouge, LA 70803-1705.

Louisiana State University is an Equal Opportunity/Access Employer. Women and minorities are encouraged to apply.

POSITIONS OPEN

UNIVERSITY OF WISCONSIN PHARMACOLOGY FACULTY POSITION

The faculty of the Pharmacology Division of the School of Pharmacy at the University of Wisconsin-Madison are seeking a colleague to fill a tenure-track faculty position in our group. Applications will be accepted at the ASSIST-ANT, ASSOCIATE, or FULL PROFESSOR levels, and the starting rank of the position will be commensurate with the qualifications of the successful individual. Members of this division are committed to quality in teaching at both the graduate and undergraduate levels, as well as to building and maintaining strong research programs. We are looking for a scientist who is using hypothesis driven research to successfully address important questions in Pharmacology, Toxicology, or related fields. Applicants should send a curriculum vitae, along with a statement of research interests, and the names of three individuals to serve as references to: Pharmacology Search Committee, School of Pharmacy, University of Wisconsin, 425 North Charter Street, Madison, WI 53706. Review of applications will begin January 15,

The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer. Wisconsin State laws permit public access to names, addresses, and occupations of applicants.

The Division of Endocrinology of the University of Mississippi Medical Center invites applications for faculty positions for CLINICIAN/RESEARCHERS at the levels of ASSISTANT or ASSOCIATE PROFESSOR. Applicants holding an M.D. degree who are Board-Certified/Eligible in Endocrinology are preferred. Opportunities exist to perform basic or clinical research at a dynamic and growing state-supported academic Medical Center as well as to participate in the development of a diabetes clinical program and in student and housestaff teaching. Send curriculum vitae to: Don McClain, M.D., Ph.D., Director, Division of Endocrinology, Department of Medicine, University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216. Equal Opportunity Employer, Male/Female/Disabled/Veterans.

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ASSISTANT PROFESSORSHIP DEVELOPMENTAL BIOLOGIST

The Waksman Institute at Rutgers University is inviting applications for a TENURE-TRACK POSITION. The position is a joint appointment in the Department of Molecular Biology and Biochemistry and requires teaching at the graduate and undergraduate level. Applicants should submit a curriculum vitae, list of publications, three letters of reference, and a summary of research plans to: Dr. Ruth Steward, Search Committee Chairperson, Waksman Institute, Rutgers University, P.O. Box 759, Piscataway, NJ 08855-0759. Rutgers University is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

VASCULAR PLANT SYSTEMATIST

The Department of Biology at Virginia Commonwealth University invites applications for a tenure-track ASSISTANT PROFESSOR position. The successful candidate should possess the ability to develop an externally funded research program in vascular plant systematics that incorporates molecular techniques and complements existing plant science and/or ecological research programs. Teaching responsibilities may include introductory plant biology, taxonomy of vascular plants and, periodically, an advanced specialty course. Candidates must hold a Ph.D. in Botany or a closely related discipline; postdoctoral experience is preferred. Virginia Commonwealth University is a culturally diverse institution with an enrollment of 22,000 students. The Department of Biology has 26 faculty members and offers a Master of Science degree. Submit curriculum vitae, selected reprints, a statement of research and teaching interests, transcripts, and three letters of recommendation by December 5, 1994, to: Dr. Donald R. Young, Department of Biology, Virginia Commonwealth University, Richmond, VA 23284-2012. Virginia Commonwealth University is an Equal Employment Opportunity/Affirmative Action Employer. Women, minorities and persons with disabilities are encouraged to apply.

DEPARTMENT OF CHEMISTRY and BIO-CHEMISTRY, University of Maryland at College Park invites applications for a tenure-track or tenured position in **BIOCHEMISTRY**. Candidates at all levels will be considered, and applications at the ASSOCIATE or FULL PROFESSOR level are especially encouraged. Research areas of particular interest include, but are not limited to: protein folding and design, structure-function relations pertaining to signal transduction, gene expression, immunochemistry, cell-cell interactions, etc., and protein secretion. Candidates will also have the opportunity to participate in the campus-wide Program in Molecular and Cell Biology. Submit a résumé, a short description of research plans, and arrange for three letters of reference to be sent to: Prof. Douglas A. Julin, Biochemistry Search Committee, Department of Chemistry and Biochemistry, University of Maryland, College Park, MD 20742-2021. Evaluations begin on November 1, 1994, but new applications will be considered until the position is filled. The University of Maryland at College Park encourages applications from women and members of minority groups and is an Equal Opportunity/Affirmative Action Employer.

PLANT BIOLOGIST STATE UNIVERSITY COLLEGE AT BUFFALO

Applications are invited for a tenure-track ASSIST-ANT PROFESSOR to begin September 1995. We are seeking a colleague who is enthusiastic about teaching undergraduates. Primary teaching responsibility will be introductory botany for majors and biology for non-majors with opportunities to teach advanced undergraduate and graduate courses. Area of research specialization is open, but we especially welcome applications from candidates with expertise in vascular plant morphology, wetland plants, aquatic plants/phytoplankton, or applied plant science. The successful candidate will be expected to develop an active research program involving undergraduate and master's students. Applicants must have a Ph.D., postdoctoral experience preferred. Send curriculum vitae with a thoughtful statement of teaching philosophy, research goals and three letters of recommendation by November 15, 1994, to: Dr. Javier Peñalosa, Chair, Department of Biology, State University College at Buffalo, 1300 Elmwood Avenue, Buffalo, NY 14222. We encourage applications from women and minorities.

Department of Biology, Valdosta State University, invites applications for three tenure-track, nine-month positions (ASSISTANT or ASSOCIATE): (1) POPULATION GENETICIST (preference plants); (2) MARINE BIOLOGIST (preference invertebrates); (3) PHYCOLOGIST or MYCOLOGIST. Primary teaching responsibilities for positions 1 and 3 include survey and specialty courses; position 2 human anatomy and physiology and specialty. Ph.D. in appropriate biology discipline and commitment to undergraduate teaching required; participation in student advising, service and research expected. Letter of application, current curriculum vitae, official transcripts, and three letters of reference must be received by November 15, 1994. Starting date is September 1, 1995. Send to: Edward Sheeley, Department of Biology, Valdosta State University, Valdosta, GA 31698. Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

ANATOMY AND CELL BIOLOGY UNIVERSITY OF MICHIGAN

The Department of Anatomy and Cell Biology invites applications for one or two ASSISTANT/ASSOCIATE PROFESSOR positions in the area of biomedical imaging. Candidates should have a strong background in digital microscopy and its application to problems in cell or developmental biology. For one of the positions, demonstrated expertise in high performance computing; in the storage, retrieval and transmission of digital images; and the ability to work with diverse governmental agencies and commercial partners is essential. These are tenuretrack positions, and professional/graduate teaching is expected. A joint appointment with another University unit is possible. Review of applications will begin on October 1, 1994, with a closing date of November 15, 1994. Send a curriculum vitae, a description of your research interests and the names and addresses of three academic references to: Dr. Bruce M. Carlson, Search Committee, Department of Anatomy and Cell Biology, University of Michigan, Ann Arbor, MI 48109-0616. The University of Michigan is an Equal Opportunity/Affirmative Action Employer and encourages women and minorities to apply.

INORGANIC CHEMISTRY FACULTY POSITION—University of Virginia. The Department of Chemistry invites applications for a tenure-track position at the rank of ASSISTANT PROFESSOR in any area of inorganic chemistry including biochemistry, to start in the fall semester 1995. Candidates at higher levels may also be considered. Applicants should have a strong commitment to teaching and will be expected to develop a vigorous research program. Postdoctoral experience is highly desirable. Applicants should submit a complete résumé, a summary of proposed research, and arrange for three letters of recommendation to be sent to: Professor Russell N. Grimes, Chairman, Inorganic Search Committee, Department of Chemistry, University of Virginia, Charlottesville, VA 22901. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

PHYSICAL ANTHROPOLOGIST

The Department of Anthropology at the University of Pittsburgh seeks a PHYSICAL/BIOLOGICAL ANTHROPOLOGIST with expertise in population biology or demography for a tenure-stream faculty position at the ASSISTANT PROFESSOR level to start fall 1995, subject to budgetary approval. Applicants should have a strong record of research, publication, and teaching. The successful candidate will complement several existing interests in physical anthropology (adaptation, systematics) and in the Department as a whole (complex societies, medical anthropology, Latin American Studies). Applications, with names and addresses of three references and a curriculum vitae should be sent by November 1, 1994, to Chair, Search Committee, Physical Anthropology Position, Department of Anthropology, University of Pittsburgh, Pittsburgh, PA 15260. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are especially encouraged to apply.

BUCKNELL UNIVERSITY, Lewisburg, Pennsylvania—ANIMAL BEHAVIOR and BIOLOGY. Strong interdisciplinary interest and training in biology. Required to take responsibility for long-standing, grouphoused primate colonies and to involve undergraduate students in noninvasive research with primates. ASSIST-ANT PROFESSOR, entry-level preferred. Tenure-track position begins fall of 1995. Salary competitive and commensurate with qualifications.

Request fuller description from: Douglas Candland, Chair, Program in Animal Behavior, Bucknell University, Lewisburg, PA 17837. Applications review beginning December 15, 1994. Women and members of minority groups are encouraged to apply.

BIOTECHNOLOGY CENTRE INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY

Invites applications from Indian nationals for ASSIST-ANT PROFESSOR position in molecular immunology, structural (XRD/NMR) and computational (macromolecular modeling and graphics) biophysics. Qualifications are Ph.D. with a minimum of three years of relevant experience. Applicants are expected to undertake research and participate in teaching programs. Biodata with three letters of recommendation may be sent to: The Registrar, Indian Institute of Technology, Powai, Bombay 400 076, India.

POSITIONS OPEN

FACULTY POSITIONS IN PHARMACEUTICS UNIVERSITY OF HOUSTON

The Department of Pharmacological and Pharmaceutical Sciences at the University of Houston has tenure-track faculty positions available at the rank of ASSIST-ANT/ASSOCIATE/FULL PROFESSOR. Applicants must have an earned doctorate degree and postdoctoral research experience. We are especially interested in individuals with expertise in drug delivery systems with emphasis on cellular and molecular approaches. However, strong applicants in all areas related to pharmaceutics will be considered. Rank and salary will be commensurate with experience. The successful candidate will be expected to develop a vigorous, independent, extramurally funded research program and must have a strong commitment to professional and graduate education. This position affords excellent oppotunities for collaborative research with institutions within the Texas Medical Center. Candidates should submit a letter of application, a curriculum vitae and a summary of research objectives to: Douglas C. Eikenburg, Ph.D., Chair, Search Committee, Department of Pharmacological and Pharmaceutical Sciences, College of Pharmacy, University of Houston, Houston, TX 77204-5515. Review of applications will begin October 28, 1994, and continue until the positions are filled. The University of Houston is an Equal Opportunity/Affirmative Action Employer; minorities, women, veterans and persons with disabilities are encouraged to apply.

PLANT PHYSIOLOGIST (Search Reopened)—The Department of Biology at the University of North Carolina at Greensboro (UNCG) has a nine-month tenure-track position with competitive start-up funds and salary for an ASSISTANT PROFESSOR beginning 1 August 1995. We seek an individual who will (1) develop a research program in plant physiology, (2) interact with faculty and students conducting research in related programs, (3) teach undergraduate and graduate courses in plant physiology, and (4) teach a portion of introductory biology. Postdoctoral experience is essential. Applicants should submit a statement of research and teaching interests, a curriculum vitae, reprints, and three letters of reference by 24 November 1994 to: Dr. Elizabeth P. Lacey, Chair of Plant Physiology Search Committee, Department of Biology, UNCG, Greensboro, NC 27412. Equal Opportunity/Affirmative Action Employer/Male/Female/Disabled/Veterans.

ASSISTANT PROFESSOR Molecular Genetics/Molecular Oncology/ Hematology

The Department of Medicine at the University of Pittsburgh, School of Medicine, invites applications for a tenure-track position at the rank of ASSISTANT PROFESSOR. Individuals with research experience and interests in the areas of molecular genetics or molecular oncology/hematology are particularly encouraged to apply. The successful candidate is expected to develop a strong research program and contribute to departmental teaching responsibilities in medical and graduate education. Interested applicants should submit a curriculum vitae, a briestatement of research interests, and the names and addresses of three references to: Dr. Dorothea Becker, Department of Medicine, University of Pittsburgh, BST E1050, 211 Lothrop Street, Pittsburgh, PA 15213. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.

ECOLOGY - ASSISTANT PROFESSOR

The Department of Biology, The University of Tampa invites applicants for a TENURE-TRACK POSITION beginning in August 1995 to teach Ecology, Advanced Ecology, Introductory Biology for majors and Biological Science for non-majors. The department is interested in attracting a broadly trained aquatic or terrestrial ecologist to complement the marine-oriented faculty in biology. The candidate is expected to engage in research activities that involve undergraduates. Ph.D. required, prior teaching and research experience with undergraduates desirable. Send curriculum vitae, statement of teaching philosophy, and research interests, official transcripts, and the names, addresses and telephone numbers of three references who are willing to provide letters of recommendation. Review of applications will begin November 1, 1994, and continue until the position is filled. All materials should be addressed to: Ecology Search c/o Human Resources, The University of Tampa, 401 West Kennedy Boulevard, Tampa, FL 33606-1490. The University of Tampa is an Equal Opportunity/Affirmative Action Employer and encourages minorities and women to apply.

Postdoctoral Opportunities In The Biomedical Sciences.

Listed below are a few of the outstanding opportunities for conducting research that are now available with leading scientists at the National Institutes of Health.

Cell Biology, Biochemistry, Enzymology and Molecular Biology Seymour Kaufman, PhD

Research on biological functions of the essential biofactor, tetrahydrobiopterin is being conducted with current emphasis on newer roles, e.g. nitric oxide synthesis, neurotransmitter release, cell proliferation and the immune system. Applicants must have a strong background in molecular biology and cell biology with less than five years postdoctoral experience. Laboratory of Neurochemistry (OE-56), NIMH, Building 36, Room 3D30, 36 CONVENT DR MSC 4095, BETHESDA MD 20892-4096.

Genetic Analysis of T Cell Development Paul E. Love, MD, PhD

Research is directed at understanding the cellular and genetic events that regulate thymocyte development and selection. Transgenic and gene targeting methods are used to create overexpression, dominant-negative and loss function mutants in mice and molecular techniques are employed to identify novel genes expressed in early thymocytes. Applicants should have prior experience in immunology and less than five years postdoctoral experience. Laboratory of Mammalian Genes and Development (OE-56), NICHD, Building 6B, Room 210, 6 CENTER DR MSC 2780, BETHESDA MD 20892-2780.

Molecular and Cell Biology Michael S. Lan, PhD

Genes from pancreatic beta cells are being studied with emphasis on signal transduction and regulation. Molecular biological approaches to protein tyrosine phosphatases have high priority. Applicants should have a strong background in molecular and cellular biology. Experience with *in situ* hybridization preferred. Laboratory of Oral Medicine (OE-56), NIDR, Building 30, Room 124, 30 CONVENT DR MSC 4322, BETHESDA MD 20892-4322.

Molecular Biology and Genetics Stephen J. Marx, MD

The genes regulating growth and secretion in endocrine-related tissues are being studied. Emphasis is upon processes whose disruption causes acquired or hereditary disease in man. Major interests include the parathyroid glands and the fibroblast growth factor gene family. Another interest is multiple endocrine neoplasia type I, as a model for simultaneous dysfunction in several glands. Applicants must have less than five years postdoctoral experience. Genetics and Endocrinology Section (OE-56), NIDDK, Building 10, Room 9C101, 10 CENTER DR MSC 1802, BETHESDA MD 20892-1892.

Molecular Immunology and HIV Abner L. Notkins, MD

The expression of antibody genes and HIV genes in transgenic mice is being studied. Applicants should have a strong background in molecular biology and virology or immunology. Experience in gene targeting is desirable. Laboratory of Oral Medicine (OE-56), NIDR,

Building 30, Room 121, 30 CONVENT DR MSC 4322, BETHESDA MD 20892-4322.

Molecular Neuropharmacology David R. Sibley, PhD

The cellular and molecular biological characteristics of dopamine and other neurotransmitter receptors are being investigated. Cell biology projects include studying biochemical mechanisms of receptor-effector coupling, G protein interactions, and receptor regulation in clonal cell lines. Molecular biology projects involve cloning novel receptor subtypes, analysis and characterization of receptor/gene structure and regulation of gene expression in normal and pathophysiological states. Experimental Therapeutics Branch (OE-56), NINDS, Building 10 Room 5C108, 10 CENTER DR MSC 1406, BETHESDA MD 20892-1406.

Retroviral Pathogenesis Sandra K. Ruscetti, PhD

The molecular basis for the pathogenicity of murine retroviruses and host resistance to their pathological effects is being investigated. Studies are carried out on leukemia-inducing retroviruses, particularly those causing effects on the erythroid pathway, as well as retroviruses that cause neurological disease. Applicants should have experience in molecular biology and virology and less than five years postdoctoral experience. Laboratory of Molecular Oncology (OE-56), NCI, Frederick Cancer Research and Development Center, Building 469, Room 140, Frederick, MD 21702-1201.

Additional Postdoctoral Fellowship Opportunities

For an on-line listing of additional postdoctoral openings, you may access the NIH EDNET Bulletin Board POSTDOC conference via Internet (wylbur.cu.nih.gov) or modem (1,301-402-2221 or 1,800-358-2221) with parameters set at "7,Even,1". When connected to NIH, type in ",vt100" for terminal emulation, "F5E" for initials, and "AJL1" for account number.

The Postdoctoral Research Fellowship Opportunities cata-

The Postdoctoral Research Fellowship Opportunities catalog, which describes intramural laboratories at the NIH, is also available by request. An electronic version of the catalog may be accessed via the Internet using either the Gopher Information System (gopher.nih.gov) or the World Wide Web (http://www.nih.gov/). When connected, select Research Opportunities at the NIH Office of Education. If you would like to request a catalog or have further questions, please contact the Office of Education, Building 10, Room 1C129, 10 CENTER DR MSC 1158, BETHESDA MD 20892-1158, 301-496-2427, Fax 301-402-0483.

To Apply

If you hold a doctoral degree (e.g., PhD, MD/PhD, MD, DO, DDS, or DVM) accompanied by previous laboratory research experience, and would like to be considered for one of these positions, please send a cover letter, curriculum vitae, bibliography, and statement of research interests to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three scientists who can provide an evaluation of your qualifications.

National Institutes Of Health

Office of Education

POSITIONS OPEN

UNIVERSITY OF WISCONSIN-WHITEWATER Two positions, Biological Sciences

EVOLUTIONARY VERTEBRATE ECOLOGIST: Teach evolution, ecology for majors and non-majors, general zoology, and general biology for non-majors. ANI-MAL PHYSIOLOGIST: Teach animal physiology, human anatomy and physiology, general zoology, and general biology courses for non-majors. Both positions: ASSIST-ANT PROFESSOR, full-time, tenure-track. Applicants should be able to conduct research compatible with available facilities which could involve undergraduate students. Doctoral degree and teaching experience in biological sciences required. Send a letter of application, curriculum vitae, statement of teaching and research interests, unofficial graduate and undergraduate transcripts, and three letters of recommendation by November 11, 1994, to: Dr. Rich Adams (Evolution position) or Dr. Daryle Waechter-Brulla (Physiology position), Department of Biological Sciences, University of Wisconsin-Whitewater, WI 53190. The University of Wisconsin-Whitewater is an Affirmative Action/Equal Employment Opportunity Employer. Women, minorities, Vietnam-era veterans, and persons with disabilities are encouraged to apply.

RESEARCH/VISITING ASSISTANT PROFESSOR COLLEGE OF PHARMACY UNIVERSITY OF HOUSTON

Applications are invited from individuals who are interested in participating in research in the area of catecholaminergic receptor-mediated signal transduction mechanisms in the kidney. The ideal candidate should have at least one to two years of postdoctoral research experience in studying second messenger systems and electrolyte homeostasis in the kidney. Some experience in the area of measurements of renal function is preferred. Interested individuals should send a copy of their curriculum vitae and arrange to have three letters of reference sent to: Dr. Mustafa F. Lokhandwala, Dean and Professor, College of Pharmacy, University of Houston, Houston, TX 77204-5511.

The University of Houston is an Equal Opportunity/Affirmative Action Employer. Minorities, women, veterans and persons with disabilities are encouraged to apply.

The Department of Biology at Illinois Wesleyan University has a tenure-track opening at the ASSISTANT PROFESSOR level in MOLECULAR GENETICS. Candidate must have a Ph.D., a broad background in biology, a strong commitment to undergraduate teaching excellence and the promise of research. Responsibilities include teaching genetics (introductory and advanced), an upper-level molecular or cellular biology course, and supervision of undergraduate student research. Appointment begins August 1995. Applicants should submit a letter of application, curriculum vitae, transcripts, three letters of recommendation (including comments on teaching effectiveness), a one-page statement of teaching philosophy and an outline of future research plans to: Dr. Bruce B. Criley, Chairman, Department of Biology, Illinois Wesleyan University, Bloomington, IL 61702-2900, by December 1, 1994. Illinois Wesleyan is an Equal Opportunity Employer; women and minorities are encouraged to apply.

ASSISTANT PROFESSOR OF BIOCHEMISTRY UNIVERSITY OF COLORADO, BOULDER

The Department of Chemistry and Biochemistry invites applications for a tenure-track faculty position. Preference will be given to candidates at the ASSISTANT PROFESSOR level, but candidates at all levels will be considered. Applicants must have a Ph.D. degree and enthusiasm for teaching at the undergraduate and graduate levels. Candidates will be expected to develop an innovative research program using biochemical or biophysical approaches to address problems of biological importance. Applicants should send a curriculum vitae, representative reprints, statement of research plans, and have three letters of reference sent to: Joseph Falke, Chair, Biochemistry Search Committee, Department of Chemistry and Biochemistry, University of Colorado, Campus Box 215, Boulder, CO 80309-0215. Applications will be evaluated beginning November 1, 1994, with the final application deadline for receipt being November 15, 1994. The earliest starting date for the position is July 1, 1995. The University of Colorado at Boulder strongly supports the principle of diversity. We encourage applications from women, ethnic minorities, disabled persons, veterans and veterans of the Vietnam era.

POSITIONS OPEN

ASSOCIATE PROFESSOR/PROFESSOR FOR STEM CELL PROCUREMENT AND RESEARCH

The Division of Hematology/Oncology in the Department of Internal Medicine, College of Medicine, at the University of Kentucky, is seeking a SCIENTIST (Ph.D., M.D. or M.D./Ph.D.) to head a stem cell procurement and research laboratory in the Bone Marrow Transplantation section within the Division of Hematol ogy/Oncology. Expertise in stem cell procurement and research, with five to seven years of postdoctoral experience is required. The holder of this position will have a tenure-track appointment in the Department of Internal Medicine with a secondary appointment in the Department of Pathology. Opportunities for joint appointments in basic science departments are also available. A track record of independently funded research is required and broad experience in hematologic stem cell growth and manipulation. Applicants should submit a curriculum vitae, statement of research interests and the names of three references to: Kenneth A. Foon, M.D., Director, Mar-key Cancer Center, Ben F. Roach Building, 800 Rose Street, Room 140, Lexington, KY 40536-0093.

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

ASSISTANT PROFESSOR OF BIOLOGY

Randolph-Macon Woman's College, a selective liberal arts college with historical strengths in the sciences, seeks an ASSISTANT PROFESSOR (tenure-track) for the fall of 1995, to teach molecular cell biology, upper-level courses in genetics and microbiology, a non-majors course, and to participate in senior seminar. Ph.D. and teaching experience required. A strong commitment to engaging students in research is desirable. Send letter of application, including statement of teaching and research interests, a curriculum vitae, and names, addresses, and telephone numbers of three references by 15 November 1994 to: Dr. Douglas H. Shedd, Department of Biology, Randolph-Macon Woman's College, Lynchburg, VA 24503. Equal Opportunity Employer.

BIOCHEMICAL ENGINEER/FERMENTATION SCIENTIST—REOPENED

Applicants sought: ASSISTANT PROFESSOR tenure-track. Conduct research in winemaking/fermentation science, establish basic research program, teach in enology/biochemical engineering. Must have a Ph.D. in Chemical or Biochemical Engineering, outstanding academic record, commitment to high quality graduate/undergraduate education, ability to develop research program of national recognition. Send curriculum vitae, publication list/reprints, teaching/research interest statements, graduate transcripts, names/addresses of three referees to: Roger Boulton, Search Committee, Viticulture and Enology, University of California, Davis, CA 95616-8749. Telephone: 916-752-0900 or 752-1717. Open until filled. Review of applications will begin January 2, 1995. FAX application unacceptable. The University of California is an Equal Opportunity/Affirmative Action Employer.

ORNITHOLOGIST/WILDLIFE BIOLOGIST. Tenure-track position, ASSISTANT PROFESSOR beginning January 1995. Ph.D. preferred. Preference given to applicants with university teaching or postdoctoral experience, record of publication and external funding, and working knowledge of GIS. Teaching will include ornithology, wildlife and habitat management. Active research program is expected. Successful candidate may teach in introductory and service courses and assist in curation of the vertebrate museum. Send letter of application, curriculum vitae, transcripts, three reference letters, and statements of teaching philosophy and research interests to: Dr. C. T. Train, Department of Biology, Southeast Missouri State University, Cape Girardeau, MO 63701 by October 29, 1994. An Equal Opportunity/ Male/Female/Affirmative Action Employer.

PROGRAM ADMINISTRATOR for scientific society in Philadelphia, Pennsylvania. Position entails implementation of programs, services to members, and committee support. Seven to ten years of relevant work experience required. Biomedical research and/or association management experience preferred. Position requires excellent writing skills, versatility, and computer literacy. Graduate degree desired. Send covering letter, résumé, writing sample, and desired salary to: P.O. Box 40138, Philadelphia, PA 19106.

POSITIONS OPEN

TRANSPLANTATION IMMUNOLOGY UNIVERSITY OF NEBRASKA MEDICAL CENTER

The Department of Pathology and Microbiology is seeking a tenure-track ASSISTANT or ASSOCIATE PROFESSOR in transplantation immunology, i.e., molecular and cellular immunology. The primary responsibility will be innovative, original research that will include pre- and post-doctoral students. It is expected that this individual will collaborate with clinical investigators in studies on solid organ and stem cell/cellular transplantation. Preferred qualifications include a doctorate degree in immunology or related field, at least two years of successful postdoctoral research and demonstrated capacity for independent research and funding. Curriculum vitae, letter, and three references to: James E. Talmadge, Ph.D., Pathology/Microbiology, University of Nebraska Medical Center, 600 South 42nd Street, Omaha, NE 68198-3135. An Equal Opportunity/Affirmative Action Employer.

GRADUATE INSTITUTE OF BIOLOGICAL CHEMISTRY National Chung Hsing University

Applications are invited for faculty openings at the AS-SISTANT, ASSOCIATE or FULL PROFESSOR level. (A DIRECTOR is also sought.) Applicants should have at least two years of postdoctoral or equivalent experience in the area of macromolecular structure/function and related fields. Responsibilities begin on August 1, 1995. Please submit curriculum vitae and three to five major publications before November 15, 1994, to: Faculty Search Committee, Graduate Institute of Biological Chemistry, School of Science, National Chung Hsing University, 250 Kuo Kuang Road, Taichung, Taiwan 40227 Republic of China. FAX: 886-4-2861905.

MOLECULAR GENETICIST

The Department of Biology at Occidental College invites applications for a tenure-track ASSISTANT PRO-FESSOR position in Molecular Genetics. Applicants should have a strong commitment to teaching at the undergraduate level and to research. The successful candidate will normally teach courses in genetics and biochemistry and is expected to develop a rigorous research program involving undergraduates. The exact area of research is open. The new faculty member may choose to participate in the interdisciplinary Biochemistry major. Occidental College is a selective small liberal arts college with excellent research and teaching facilities, located in Los Angeles. Send curriculum vitae, statement of your research and teaching interests, copies of significant publications, and arrange to have three letters of reference sent, by December 1, 1994, to: Search Committee, De-partment of Biology, Occidental College, 1600 Campus Road, Los Angeles, CA 90041. Occidental College is an Equal Opportunity/Assimative Action Employer. Women and people of color are encouraged to apply.

UNIVERSITY OF CALIFORNIA, SAN DIEGO -The Department of Chemistry and Biochemistry invites applications for the position of EXECUTIVE OF-FICER. Level and salary will be commensurate with qualifications and experience and is based on the University of California pay scale. Candidates should possess an advanced degree (Ph.D. preferred) in Chemistry or a related science and administrative experience supporting both teaching and research programs. Federal contract and grant experience and close familiarity with recent advances in administrative computing are required. The Executive Officer reports to the Department Chair and is responsible for supervision of all departmental clerical, administrative and technical support areas. There is an expectation of continued revision and growth in all these areas so as to provide maximum support to the instruc-tional and research missions of the department and the university as these develop over time. Applications should include a complete curriculum vitae and the names and addresses of at least three references to: Chair-02, Department of Chemistry/Biochemistry, UCSD 0332, La Jolla, CA 92093-0332. Prompt response is recommended but all applications received by 30 October 1994 or until this position is filled will receive full consideration. The recruitment process will remain open until the position is successfully filled. The University of California is an Equal Opportunity/Affirmative Action Employer. Applications from women and minorities are especially encouraged.

Howard Hughes Medical Institute

Postdoctoral Research Fellowships for Physicians

1995 Competition

30 Fellowships will be awarded to physicians by the Howard Hughes Medical Institute for three years of training in fundamental biomedical research. Awards, based on an international competition, focus on research directed to understanding basic biological processes and disease mechanisms. Fellowships may be held at any academic or nonprofit research institution, including but not limited to Hughes laboratories.

Fellowship Terms

- Three years of support
- Full-time fundamental research
- \$40,000–\$57,500 annual stipend
- \$16,000 annual research allowance
- \$13,000 annual institutional allowance

Eligibility

- M.D., M.D./Ph.D., M.B.B.S., or D.O., with the first medical degree awarded no earlier than 1985
- At the start of the fellowship
 - at least two years of postgraduate clinical training completed no more than two years of postdoctoral research training completed
- Applicants (and fellows) may not have faculty appointments
- Fellows may not be enrolled in graduate degree programs
- No citizenship requirements: U.S. citizens may study abroad, but others must study in the United States

Schedule

- Application deadline: January 4, 1995
- Awards announced: July 1995
- Fellowships start: September 1, 1995–September 1, 1996

1995 Program Announcements and Applications

Howard Hughes Medical Institute
Office of Grants and Special Programs
Department CC95
4000 Jones Bridge Road
Chevy Chase, MD 20815-6789, United States of America
Telephone (301)215-8889
Fax: (301) 215-8888

Internet: fellows@hhmi.org

The Howard Hughes Medical Institute, an Equal Opportunity Employer, welcomes applications from all qualified candidates and encourages women and members of minority groups to apply.

POSITIONS OPEN

ENDOWED CHAIR IN PHYSICAL CHEMISTRY UNIVERSITY OF CALIFORNIA, SAN DIEGO

The Distinguished Chair of Physical Chemistry has been established at the Chemistry and Biochemistry Department of the University of California, San Diego. This is a full, tenured professorship, salary to be commensurate with experience and is based on the University of California salary scale. Applications, indications of interest, and recommendations of others who should be considered are most welcome. Please submit to: Professor Katja Lindenberg, Chair-02, Department of Chemistry and Biochemistry, UCSD, La Jolla, CA 92093-0332 USA. All areas of physical chemistry, including applications of physical chemistry to other branches of chemistry and to other fields of science, including atmospheric chemistry, physical, biological and materials sciences, will be considered. All applications received by November 15, 1994, or thereafter until position is filled will be assured consideration. The University of California is an Affirmative Action/Equal Opportunity Employer.

The Departments of Molecular and Human Genetics, and Pediatrics are jointly recruiting a DIRECTOR for the Baylor College of Medicine Mental Retardation Research Center (MRRC). The Baylor MRRC was founded in 1988, and is one of the 14 NICHD-supported Centers dedicated to the study of the prevention, treatment, and amelioration of mental retardation and developmental disabilities. The Baylor MRRC currently supports eight core laboratories, 53 research projects, 48 investigators from 13 departments, and one New Project Development Awardee. The successful applicant will be a Physician Scientist with an established research commitment to the molecular biology of mental retardation. Board certification in a Medical Genetics specialty and Pediatrics are desirable. Applicants should send a letter describing their commitment to mental retardation research and a current curriculum vitae, and should request that three letters of reference be sent to: C. Thomas Caskey, M.D., Chairman, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030. Baylor College of Medicine is an Equal Opportunity/Affirmative Action Employer.

ACADEMIC COORDINATOR—Introductory Biology. Applications are invited for a position in the Section of Evolution and Ecology, Division of Biological Sciences, University of California, Davis, effective 1 July 1995. Ph.D. in biological sciences and extensive experience in teaching laboratory sections required. Position involves assisting instructors and coordinating teaching assistants and laboratories for course Biological Sciences 1B (Introductory Biology), directing a TA training course, and involvement in course improvement in Biological Sciences 1B and the Biological Sciences 1B Learning Center.

ing Center.

Position open until filled. Applications should be received by 15 December 1994 to receive full consideration. Applicants should send a letter of application and curriculum vitae, and have two letters of recommendation sent to: Judy Stamps, Vice Chair, Section of Evolution and Ecology, University of California, Davis, CA 95616-8755. The University of California is an Affirmative Action/Equal Opportunity Employer.

VASCULAR BIOLOGY TENURE-TRACK FACULTY POSITIONS Washington University Cardiovascular Division

The Cardiovascular Division at Washington University is inviting applications from M.D. or Ph.D. scientists for TENURE-TRACK FACULTY POSITIONS. These positions will expand a vascular biology group with interest in thrombosis, vascular remodeling, and atherogenesis. The successful candidates will be expected to establish high quality independent laboratories with extramural funding. The research efforts of successful candidates will be facilitated by new laboratories currently being constructed. In addition, Washington University will soon complete a state-of-the-art vivarium that will be particularly attractive to animal-based research. The level of appointment and salary will be commensurate with experience.

Applications including a complete curriculum vitae, future research plan, three reprints of the most significant publications, and three letters of references, should be sent to: Dr. Michael E. Cain, Director, Cardiovascular Division, Washington University School of Medicine, 660 South Euclid, Box 8086, St. Louis, MO 63110.

POSITIONS OPEN

POSITION ANNOUNCEMENT

Instructor, University of Colorado, Boulder Department of Environmental, Population, and Organismic Biology

The Department of Environmental, Population, and Organismic Biology seeks applicants for two full-time, 12-month, non-tenure-track INSTRUCTORS (Ph.D. required) to begin 1 July 1995. Both instructors will be assigned a full-time teaching load.

Instructor, Allied Health. The instructor will be responsible for multiple sections of Human Anatomy laboratories, demonstration of Human Anatomy through use of cadavers (including cadaver dissection), and supervision of teaching assistants. In addition, the instructor will assist in other anatomy and physiology courses as time permits

Instructor, Physiology and General Biology. The instructor will direct, through supervision of teaching assistants, multiple sections of Human Physiology laboratories and laboratories for a non-majors General Biology course, and assist in other laboratory courses as time permits.

For both positions, salaries are \$31,000. Specify position of interest, and submit a résumé, three letters of reference, and a statement of interest and experience to: Instructor Search Committee, Department of EPO Biology, University of Colorado, Boulder, CO Biology, University of colorado, Boulder, CO 80309-0334. The closing date for applications is 1 November 1994.

The University of Colorado at Boulder is an Affirmative Action/ Equal Opportunity Employer.

FACULTY POSITION CHEMICAL ENGINEERING

The Department of Chemical Engineering at the University of Delaware invites applications for a TENURE-TRACK FACULTY POSITION at the junior level. Outstanding candidates in any field of chemical engineering will be considered. Either a Ph.D. degree in chemical engineering or a closely related field is required. Successful applicants will be expected to carry out a vigorous research program, to teach and to advise students at both the undergraduate and graduate levels. The Chemical Engineering Department is well-equipped and maintains laboratories and computational facilities for both experimental and theoretical research. Please send a résumé, a description of research and teaching interests, and the names, addresses and telephone numbers of three references to: Search Committee Chairman, Department of Chemical Engineering, University of Delaware, Newark, DE 19716-3110. Applications must be postmarked by November 15, 1994.

The University of Delaware is an Equal Opportunity Employer which encourages applications from minority group members and women

THE MAYNARD A. AMERINE PROFESSORSHIP Department of Viticulture and Enology University of California, Davis

Nominations and applications are invited for a distinguished tenured position as the MAYNARD A. AMER-INE PROFESSOR of Enology and Viticulture. The appointee will have teaching and student advising responsi-bilities and will be expected to initiate a research program pertinent to the California grape and wine industry. The monetary award from the Amerine Chair is to support research in this area. The appointment as Amerine Chair is for five years, subject to renewal on review. The position is available July 1, 1995. Qualifications include a Ph.D. or equivalent degree in a discipline relevant to viticulture and/or enology, teaching and research experience in a relevant discipline, and a record of scholarly and academic achievement. Disciplines encompassed by the department include plant and microbial genetics and biochemistry, plant physiology, microbiology, chemistry, sensory science, and chemical and biochemical engineering. Applicants should submit a curriculum vitae with a list of publications, reprints of publications, statement of research and teaching interests and background in each, and the names and addresses of at least three references to: Ann C. Noble, Search Committee Chair, Department of Viticulture and Enology, University of California, Davis, CA 95616-8749 USA. Closing date extended to February 1, 1995. Applications received after the final filing date will not be considered unless the position is reopened for recruitment. The University of California is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

DIELECTRIC STUDIES OF CELLS

Two POSTDOCTORAL POSITIONS are available immediately in a multidisciplinary group actively applying dielectric principles to the study of cell structure/function relationships in normal and cancerous cells. This program involves analyzing dielectrophoretic and electrorotational properties of cells, and exploiting differences between cell types both for phenotypic characterization and cell sort-ing. Emphasis is also placed on the development of new technology for achieving these aims. Applicants must have a Ph.D. in biophysics, physics or engineering, with a strong background in one or more of the following: Dielectric measurements of aqueous or biological systems; application of dielectric and static theories, high-frequency analog circuit design; or software development in Fortran or C for electrical field calculations or for image analysis and pattern recognition. Send curriculum vitae and the names of three references to: Peter Gascoyne, Ph.D., Department of Molecular Pathology, Box 89, The University of Texas M. D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030. FAX: 713-792-5940. An Equal Opportunity Employer. Smoke-free environment.

BIOENGINEERING FACULTY POSITION

University of Illinois at Chicago invites applications and nominations for a FACULTY POSITION in the Bioengineering Program at either the junior or the senior level, with a starting date anytime during the 1995-96 academic year. The Bioengineering Program, one of the first such programs in the United States, offers degrees in Bioengineering at the B.S., M.S., and Ph.D. levels. Al-though candidates with competencies in any recognized area of Bioengineering will be considered, we particularly seek candidates with competence to work at the cellular or molecular level. Postdoctoral experience in biochemistry, microbiology, or physiology would be helpful, but is not mandatory. The Program currently has areas of concentration in Bioelectronics, Biomechanics, Biomedical Imaging Science, Biotransport, and Rehabilitation and is developing new concentrations in Biomaterials, Cardiovascular Bioengineering, and Environmental Pulmonary Bioengineering. Candidates must be active in research and must possess the Ph.D. degree in Bioengineering or in a related field. The appointee will hold a faculty position in one of the Departments in the College of Engineering-the particular Department will depend on the appointee's expertise and interests.

Applicants should submit a curriculum vitae and the names of three references to:

Irving F. Miller, Director Bioengineering Program (M/C 063) University of Illinois at Chicago 851 South Morgan Street, Room 1021 Chicago, IL 60607-7052

Closing date for applications is February 1, 1995. The University of Illinois is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS MICROBIOLOGY AND IMMUNOLOGY BOSTON UNIVERSITY MEDICAL CENTER

The Department of Microbiology is seeking faculty in the areas of Virology and Immunology and Pathogenesis. In the area of virology, we are particularly interested in applications from persons with research interests and experience in the study of retroviruses, although other areas of virology will also be considered. In the area of immunology and pathogenesis, applications from persons studying either viral pathogenesis or bacterial pathogenesis and immune function will be considered. We are seeking candidates with a strong research record, a commitment to developing independent and innovative research programs, and who have interests in graduate and medical education. At least one of the positions is expected to be filled at a senior faculty rank. The Department of Microbiology will expand into newly renovated research space, scheduled for completion in late summer 1995. Interested individuals should submit applications including curriculum vitae, a summary of research accomplishments and future research plans, and the names of three persons who can provide letters of recommendation to: Ronald B. Corley, Ph.D., Department of Microbiology, Boston University School of Medicine, 80 East Concord Street, Boston, MA 02118-2394.

The Department of Microbiology and Boston University are committed to Affirmative Action/Equal Employment Opportunities and encourage applications from women and minorities.

Postdoctoral Fellow

The Skin Biology Research Center of Johnson & Johnson, located at The R. W. Johnson Pharmaceutical Research Institute in Raritan, New Jersey, is seeking a postdoctoral fellow to participate in studies on the biology of skin and hair.

Since the project in question addresses the important epithelial- mesenchymal interactions occurring in skin relevant to skin diseases, scarring, and skin aging, we are looking for a scientist trained in molecular and cellular biology with a keen interest in biological inductive phenomena. Because the scientists in this unit are encouraged to publish their work, the successful candidate should show a good publication record. The facility is well-equipped with the most modern investigative tools and houses a full library.

The laboratories are located in a beautiful part of New Jersey, near Princeton and half way between New York City and Philadelphia. Interested individuals should send their c.v., list of publications and three references to: Dept. 75, Johnson & Johnson Recruiting, Employment Management Center, P. O. Box 16597, New Brunswick, NJ 08906-6597.

We are an equal opportunity employer and support diversity in the workplace.

Johnson Johnson

MOLECULAR GENETICS AND GENE THERAPY Postdoctoral Research Opportunities at the University of Iowa

Postdoctoral research opportunities in molecular medicine are available in the new Eckstein Medical Research Building at the University of Iowa to study the molecular genetics and gene therapy of human diseases. Applicants should have a Ph.D. and a strong background in either molecular biology, cell biology or genetics. For prompt consideration, send letter of application, curriculum vitae, reprints and names of three references.

Kevin Campbell - Molecular studies of dystroglycan and its role in muscular dystrophy; gene therapy for autosomal recessive muscular dystrophy (kevin-campbell@uiowa.edu FAX: 319-335-6957).

Beverly L. Davidson - Gene therapy for metabolic central nervous system diseases including Lesch-Nyhan disease and lysosomal storage disorders (MPS VII). Molecular studies and pathophysiology of Lesch-Nyhan syndrome (beverlydavidson@blue.weeg.uiowa.edu FAX: 319-335-7623).

John Donelson - Molecular mechanisms responsible for immune evasion by parasites that cause various tropical diseases such as sleeping sickness, river blindness and Chagas' disease (jedonels@vaxa.weeg.uiowa.edu FAX: 319-335-6764).

Gary Koretzky - Signal transduction in human lymphocytes, relationship between protein tyrosine phosphatases and protein tyrosine kinases in receptor signaling (gary-koretzky@uiowa.edu FAX: 319-335-6887).

Jeffrey Murray - Positional cloning and molecular genetic epidemiologic approaches to human craniofacial defects and common trait variation (jeff-murray@uiowa.edu FAX: 319-335-6970).

Val Sheffield - Positional cloning and molecular study of human genetic disease loci involved in a variety of disorders including hereditary blindness, obesity and hypertension (val-sheffield@uiowa.edu FAX: 319-335-3347).

Michael Welsh - Structure, cell biology, and mechanisms of disease involving CFTR Cl⁻channels and Na⁺channels (ENaC); gene therapy for cystic fibrosis and other lung diseases (mjwelsh@blue.weeg.uiowa.edu FAX: 319-335-7623).

Eckstein Medical Research Building The University of Iowa College of Medicine Iowa City, IA 52242

Iowa City is a safe and affordable college community with many cultural amenities, and is within easy driving distance of Chicago, St. Louis, and Minneapolis/St. Paul.

The University of Iowa is an Affirmative Action/Equal Opportunity employer. Women and minorities are encouraged to apply.



Massey University is an innovative academic institution with a history of growth since its foundation in 1927. Today, through its nine faculties and three schools it teaches over 11,000 fulltime equivalent students in New Zealand and throughout the Pacific Basin. The main campus is situated in beautifully landscaped grounds in a parklike setting surrounded by University farmland. The City of Palmerston North (population 70,200) is centrally located in the southern half of the North Island, and hosts four tertiary education institutions and several major government and private research institutions. The lifestyle is cosmopolitan but relaxed and friendly. A second campus of Massey University was opened at Albany, on the North Shore of Auckland, in 1993.

CHAIR IN ECOLOGY

Applications are invited for the newly established Chair in Ecology and the Head of Department. The successful candidate should be an ecologist with a strong record in quantitative and theoretical research. Experience in conservation and restoration ecology, ecological modelling, and population genetics will be of particular interest to the University. The person appointed to the position will be expected to continue a vigorous programme of research in ecology and to link ecology with related subjects throughout the University. Administrative skills and the ability to enthuse students are also important attributes.

The Department of Ecology has a strong commitment to research. Current programmes span a range of pure and applied ecology topics including population and conservation biology, community ecology, limnology, biogeography, systematics of plants and animals, entomology, plant-animal interactions and behavioural ecology. The Department plans to strengthen and expand its activities in these areas.

Enquiries of an academic nature may be made to Professor T J Brown, Head of the School of Biological Sciences within the Faculty of Science, telephone (64) 6 350-4011, facsimile (64) 6 350-5637, email T.J.Brown@massey.ac.nz.

Reference number: Sc 65/94 must be quoted. Closing date: 15 November 1994.

As a condition of application the University reserves the right to make enquiries of any person regarding any candidate's suitability for appointment, not to make an appointment or to appoint by invitation.

An information package including Conditions of Appointment is obtainable by telephone (64) 6 356-9099 extension 7318.

Applications, including a full curriculum vitae and the names, addresses and fax numbers of three referees should be sent to Mrs V B Bretherton, Personnel Section before the closing date specified.

Equality of opportunity is University policy.

Private Bag 11-222
Palmerston North ● New Zealand
Telephone (64) 6 356-9099
Fax (64) 6 350-5615

PALMERSTON NORTH

CAMPUS

POSITIONS OPEN

FACULTY POSITION IN MEDICAL NEURO-SCIENCE. Mercer University School of Medicine invites applications for a tenure-track position; rank and salary will be commensurate with experience. The applicant must possess a doctoral degree, postdoctoral experience, and training and/or teaching experience in the medical neurosciences. The successful candidate will participate in an interdisciplinary problem-based medical education program and will facilitate learning in small group tutorials. S/he will be expected to develop an independent research program. Send curriculum vitae (including teaching experience) and names and addresses of three references to: Robert J. Moon, Ph.D., Associate Dean of Academic Affairs/Research, Chairman, Division of Basic Medical Sciences, School of Medicine, Mercer University, Macon, GA 31207.

POSTDOCTORAL POSITION available for Ph.D. or M.D. with experience in primary cell culture to establish and characterize cell lines from breast and uterine cancers. Previous experience in DNA/RNA isolation, RT-PCR, or sequencing and an interest in steroid hormones is desirable. Please send curriculum vitae and names, addresses, and telephone numbers of three references to: John R. D. Stalvey, Ph.D., Department of Biological Sciences, Kent State University, Kent, OH 44242. Kent State University is an Equal Opportunity/Affirmative Action Employer.

Two POSTDOCTORAL POSITIONS available, one immediately, to study differentiation, growth arrest, apoptosis and tumor suppression, using blood cells as a model system and studying the role of tumor suppressors (p53, Rb), transcription factors proto-oncogenes and novel genes in these processes (Cell, 72:197, 1993; MCB, 14: 2352, 1994; Oncogene, 9: 1807, 1994; Blood, 84: 1036, 1994). Strong background in molecular and cellular biology required. Send curriculum vitae and names of three references to: Drs. B. Hoffman and D. Liebermann, Fels Institute for Cancer Research and Molecular Biology, Temple University School of Medicine, 3307 North Broad Street, Philadelphia, PA 19140. Temple University is an Affirmative Action/Equal Opportunity Employer and strongly encourages applications from women and minorities.

POSTDOCTORAL RESEARCH SCIENTIST Columbia University

A position is available immediately for a Ph.D. with experience in molecular biology and strong commitment to human genetics to work towards the development of a method for construction of full-length normalized cDNA libraries and their utilization for identification of transcribed sequences within defined regions of genomic DNA known to encompass disease loci.

Send curriculum vitae and a statement of research interest to: Dr. M. Bento Soares, Department of Psychiatry, Columbia University, 722 W. 168th Street, Unit No. 41, New York, NY 10032. Affirmative Action/Equal Opportunity Employer.

IMMUNOLOGIST/MOLECULAR BIOLOGIST

POSTDOCTORAL POSITION available immediately in laboratory studying Class I Major Histocompatibility Complex in human and non-human primates. Qualifications include Ph.D. or M.D. and extensive experience in molecular biology. Expertise in cellular immunology desired. Send curriculum vitae, description of previous research experience, and three letters of recommendation: David I. Watkins, University of Wisconsin-Madison, Wisconsin Regional Primate Research Center, 1220 Capitol Court, Madison, WI 53715-1299. Telephone: 608-265-3380; FAX: 608-263-4031. The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer.

TWO POSTDOCTORAL POSITIONS

Molecular genetics of (1) Colorectal Cancer or (2) Salmonella, available immediately. (1) DNA and RNA fingerprinting in cancers that display the mutator phenotype. (2) Physical and genetic analysis of Salmonella-specific chromosome loops. Both projects funded by NIH through 1998.

Please submit curriculum vitae to:

(1) Manuel Perucho or (2) Michael McClelland California Institute of Biological Research 11099 North Torrey Pines Road La Jolla, CA 92037 FAX: 619 535 5472

POSITIONS OPEN

FELLOWSHIPS IN MATHEMATICS AND MOLECULAR BIOLOGY

The Program in Mathematics and Molecular Biology has GRADUATE and POSTDOCTORAL FELLOWSHIP support available. Current topics in the Program include geometry, topology, sequence analysis of DNA, molecular dynamics, phylogenetic comparison, RNA, and algorithms for molecular structure prediction. Other areas will be considered. Fellowships can be held at any university or college in the United States. Deadline For Applications: February 1, 1995. Women and minorities are encouraged to apply. Apply to: Program in Mathematics and Molecular Biology, 103 Donner Lab, No. 3206, University of California, Berkeley, CA 94720-3206. Email: sylviaj@violet.berkeley.edu.

POSTDOCTORAL RESEARCH TRAINING POSITION available immediately. For this position, a familiarity with cell culture and cell biology is desirable. Applicants must be citizens or permanent residents of the United States. To apply, send a letter indicating your research interests and experience, along with curriculum vitae and the names of three individuals that can be contacted for references to: Dr. Ada Elgavish, Department of Comparative Medicine, University of Alabama at Birmingham School of Medicine, Birmingham, AL 35294. University of Alabama at Birmingham is an Affirmative Action and Equal Opportunity Educator and Employer.

POSTDOCTORAL POSITION available immediately in an active multidisciplinary research group studying the neurophysiology of linear and angular vestibulocular reflexes, spatial localization, and premotor control of disjunctive eye movements. Background in single unit neuronal recording is required. Experience in motor systems physiology, computer modeling and systems analysis desirable. Please send curriculum vitae and the names of three references to: W. Michael King, Ph.D., Department of Neurology, University of Mississippi School of Medicine, 2500 North State Street, Jackson, MS 39216-4505. University of Mississippi Medical Center is an Equal Opportunity Employer, Male/Female/Disabled/Veterans.

Two POSTDOCTORAL POSITIONS at Harvard Medical School—first position to study the molecular mechanisms of vascular smooth muscle cell growth, including elucidation of signal transduction pathways, regulation of gene expression, and the role of cell-extracellular matrix interactions. Second position available to study ECM and cytokine activation of leukocytes/osteoclasts and the regulation of treactive oxygen production. Knowledge of cellular/molecular techniques required. Please send curriculum vitae and a short description of research interests to: Dr. Morris J. Karnovsky, Department of Pathology, Harvard Medical School, 200 Longwood Avenue, Boston, MA 02115.

POSTDOCTORAL POSITIONS, GENE MAP-PING/EXPRESSION. USDA, Agricultural Research Service (ARS), U.S. Meat Animal Research Center, Clay Center, Nebraska has Postdoctoral Research Associate positions available immediately in a group developing new strategies to define disease resistance in livestock. Candidates with a background and/or experience in subtractive hybridization or cytogenetic techniques (FISH) are encouraged to apply. Excellent facilities and established reference families provide a unique opportunity in this high priority ARS program. Minimum starting salary \$34,662. Send curriculum vitae and names of three references to: Dr. Craig W. Beattie, U.S. Meat Animal Research Center, P.O. Box 166, Clay Center, NE 68933. USDA-ARS is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS: available to study programmed cell death in myocardial ischemia/reperfusion (I/R) injury. Training will be in animal models of I/R, and cell/molecular biology of apoptosis. Ph.D. in biochemistry, cell biology, or molecular biology required. Applicants should have background in basic molecular biology techniques. Send curriculum vitae and summary of research experience to: Robert L. Engler, M.D., Chief Research Service, VAMC (151), 3350 La Jolla Village Drive, San Diego, CA 92161-6002.

POSITIONS OPEN

POSTDOCTORAL POSITION available to study the molecular and cellular biology of malignant skin melanoma in transgenic mouse models whose disease progression resembles that of the human malignancy (see PNAS, 90:8817 and 8822, 1993). New work will focus on protease production by melanoma cells, on proteolytic breakdown of basement membranes and extracellular matrix as prerequisities to invasion and metastasis, and on effects of these disruptions on gene expression in the tumor cells. Strong background in molecular biology required. Send curriculum vitae and names and addresses of three references to: Dr. Beatrice Mintz, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to study activation of soluble guanylyl cyclase by NO involving spectroscopic and enzymological characterization. Candidates should have a Ph.D. in Biochemistry, Chemistry or a related field. Protein expression and purification experience highly desirable. Exceptional benefits package available. Send curriculum vitae and three letters of reference to: Dr. Judith N. Burstyn, Department of Chemistry, University of Wisconsin, 1101 University Avenue, Madison, WI 53706. Email inquiries: burstyn@chem.wisc.edu. The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer and encourages women and minorities to apply.

POSTDOCTORAL POSITION available immediately in a collaborative project in the laboratories of R. R. Freedman (Psychiatry), J. L. Ram (Physiology), and J. R. Sowers (Endocrinology and Hypertension) to study cellular and hormonal mechanisms mediating gender differences in cardiovascular function. Research utilizes isolated vascular preparations, cell culture, patch clamping and mRNA measurements. Candidates experienced in several of these techniques are encouraged to apply. Send curriculum vitae and names of three references to: Dr. R. R. Freedman, Department of Psychiatry, Wayne State University, 275 East Hancock, Detroit, MI 48201. Wayne State University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately for oligonucleotide and gene delivery research. An ideal candidate should have a Ph.D. in cell/molecular biology and be willing to work with pharmacutical chemists. Send curriculum vitae and names of three references to: Dr. M. J. Cho, School of Pharmacy (CB7360), Beard Hall, University of North Carolina, Chapel Hill, NC 27599-7360. FAX: 919-966-7778; Email: M.J. Cho@UNC.EDU.

POSTDOCTORAL FELLOWSHIP IN CARTILAGE RESEARCH

Available immediately. An exciting and clinically applicable field of research—EXPERIMENTAL CARTILAGE REGENERATION: Hormonal Regulation and Molecular Mechanisms. An opportunity for innovative research in a setting conducive to unlimited collaboration with other laboratories in all related fields. Applicants should have a Ph.D. or equivalent level of experience in molecular biology or a closely related field. Send curriculum vitae and three letters of reference to: Shawn W. O'Driscoll, Ph.D., M.D., Director, Cartilage and Connective Tissue Research Laboratory, Mayo Clinic, Rochester, MN 55905 or FAX to: 507-284-5075.

MOLECULAR MECHANISMS OF BIRTH DEFECTS

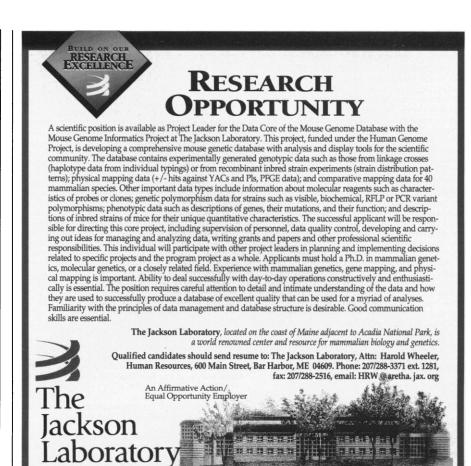
POSTDOCTORAL FELLOW/RESEARCH AS-SOCIATE position available to investigate molecular and cellular mechanisms of birth defects. Studies to include analysis of cellular signal transduction mechanisms. Particular emphasis directed toward clarification of interactions among growth factors, protein kinases and transcription factors in regulating gene expression and cell differentiation during normal and abnormal mammalian embryonic development. Strong background in biochemistry, cell and/or developmental biology required; expertise in molecular methodologies recommended. Inquiries may be sent to: Dr. Robert M. Greene, Molecular Determinants of Birth Defects Training Program, Department of Anatomy, Pathology and Cell Biology, Room 511 J.A.H., Thomas Jefferson University, 1020 Locust Street, Philadelphia, PA 19107. We are committed to a smoke-free environment. Equal Opportunity Employer.



The Department of Genetics plans to hire several new faculty members over the next three years. Applications for junior level, tenure track faculty positions are invited. Applicants utilizing genetic model systems to address biological problems will be considered. Responsibilities include establishment of a strong and interactive research program and a commitment to graduate and/or medical student education.

Applicants should send a curriculum vitae and a statement of current and future research plans and arrange for the submission of three letters of reference by December 1 to:

Search Committee
Attention: Norma Brown
Department of Genetics
Box 8232
Washington University School of Medicine
4566 Scott Avenue
St. Louis, MO 63110



POSTDOCTORAL FELLOWSHIPS at the WOODS HOLE OCEANOGRAPHIC INSTITUTION

Applied Ocean Physics & Engineering Biology, Marine Chemistry & Geochemistry Marine Geology & Geophysics Physical Oceanography

Applications are invited from new or recent doctorates in the fields of biology, molecular biology, microbiology, chemistry, engineering, geology, geophysics, mathematics, meteorology and physics, as well as oceanography. Recipients of awards are selected on a competitive basis, with primary emphasis placed on research promise.

Fellowships are awarded for 12-18 month appointments with a stipend of \$36,000 per year, plus group health insurance and a modest research budget. Recipients are encouraged to pursue their own research interest in association with resident staff. Completed applications must be received by January 15, 1995 for the 1995-96 awards. Awards will be announced in March. Write for application forms to: Dean of Graduate Studies, P.O. Box S, Woods Hole Oceanographic Institution, Woods Hole, MA 02543. Or call (508) 457-2000, ext 2200 or Email bederemer@whoi.edu.

WOODS HOLE
OCEANOGRAPHIC
INSTITUTION



An equal opportunity/affirmative action employer

BROWN UNIVERSITY Division of Biology and Medicine

Molecular Pharmacologist Assistant or Associate Professor

A position is open at the rank of Assistant Professor (tenure track) or Associate Professor (tenured) for an innovative individual with research interests in the structure-function relationships of drug targets such as cell surface receptors, ion channels, enzymes, or other signal transduction elements. Individuals with particular expertise in the application of molecular biological techniques and modern methods of structure-function analysis are encouraged to apply. Applicants should have at least two years of postdoctoral training and the potential or demonstrated ability to develop an independent, externally-funded research program. General teaching responsibilities include pharmacology instruction for medical students, as well as participation in undergraduate and graduate education. Opportunities exist for interactions with a wide range of excellent faculty throughout the University. The appointment will begin on or after 7/1/95. Applications received by 11/30/94 will receive full consideration. Applicants should submit a resume including research and teaching experience, future research plans, and a list of publications; enclose representative reprints; and have at least three letters of reference (five for Associate) sent to: Edward Hawrot, Chairman, Department of Molecular Pharmacology & Biotechnology, Box G-B487, Brown University, Providence, RI 02912.

Molecular Neurobiologist Assistant Professor

Tenure track faculty position for individual with expertise in molecular neurobiology with research that will complement the department's interest in sensory and motor systems, learning and memory, synaptic plasticity, and neuronal function. Candidates must have a Ph.D. or M.D. and postdoctoral experience, show evidence of ability to establish an independent, externally funded research program, and demonstrate the potential for excellence in teaching. Brown has active graduate programs in Neuroscience and Molecular & Cell Biology. Applications received by 11/30/94 will receive full consideration. Submit a curriculum vitae, set of representative reprints, and description of research interests and goals, and arrange for three letters of reference to be sent to: John Donoghue, Search Committee, Department of Neuroscience, Box 1953, Brown University, Providence, RI 02912.

Women and minority candidates are encouraged.

Brown University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL or RESEARCH ASSOCIATE position available immediately for studies of ion channels in osteoclasts. Applicants should have Ph.D. or equivalent research training in biophysics, physiology or cell biology with experience in electrophysiology. We use patch clamp and fluorescence methods to study the cellular basis of bone resorption (e.g., J. Physiol., 458:633, 1992 and 475: 377, 1994). Send curriculum vitae, summary of research interests, and names of three references to: Drs. Stephen Sims and Jeff Dixon, Department of Physiology, University of Western Ontario, London, Ontario N6A 5C1 Canada. FAX: 519-661-3827.

POSTDOCTORAL FELLOWSHIPS in psychoneuroimmunology at The Ohio State University. An NIMH-supported training grant for scientists or clinicians (Ph.D. and/or M.D., D.D.S., D.V.M.) to conduct research on communication among the nervous, endocrine, and immune systems is currently available. Applicants must be U.S. citizens or permanent residents of the United States. Applicants should submit a letter stating their research interests along with curriculum vitae and the names of three references to: John F. Sheridan, Ph.D., Box 192 Postle Hall, 305 West 12th Avenue, The Ohio State University, Columbus, OH 43210. The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era veterans, disabled veterans and individuals with disabilities are encouraged to apply.

POSTDOCTORAL FELLOW IMMUNOLOGY AND INFECTIOUS DISEASES

A POSTDOCTORAL POSITION for an M.D. or Ph.D. is available immediately in the Division of Infectious Diseases and Geographic Medicine, Stanford University School of Medicine, and in the Department of Immunology of Infectious Diseases at the Research Institute of the Palo Alto Medical Foundation to work on the role of cytokines in regulation of the immune response. The appointee will be joining an active group working in the area of immune regulation during infection. The post is funded by the NIH and is available for three to four years. Foreign M.D. applicants must be eligible for clinical work in the United States. Please submit a curriculum vitae, description of research interests, and three letters of reference to: Dr. Jack S. Remington, Chairman, Department of Immunology and Infectious Diseases, Research Institute, Palo Alto Medical Foundation, 860 Bryant Street, Palo Alto, CA 94301.

CLINICAL RESEARCH ASSOCIATE

Ross Products Division of Abbott Laboratories is seeking applicants for the position of CLINICAL RESEARCH ASSOCIATE. Responsibilities will include conducting pediatric infectious disease clinical research, developing research plans and protocols, visiting and monitoring research sites, writing research final reports for internal use and publication, and providing conceptual analysis of new product concepts. Candidate must have Ph.D. in Microbiology, Virology, Immunology, Molecular Biology or related field. Ideal candidate will have completed postdoctoral training and/or have practical experience and interest in medical application of their basic science training. For consideration, send résumé and names of three references to: Milo Hilty, M.D., Ross Products Division, 625 Cleveland Avenue, Columbus, OH 43215.

RESEARCH SCIENTIST IN CHEMISTRY responsible for the execution of scientific research projects with emphasis on the design, development and preparation of immunoconjugates of cytotoxic drugs with monoclonal antibodies and other proteins. Designs and synthesizes new linker and biologically active analogs of highly potent drugs. Develops practical methods for the chemical modification of proteins and procedures for their conjugation with drugs. Incorporates extensive knowledge of organic synthesis and chemistry in aqueous solvents, spectroscopic methods including high resolution NMR, protective group chemistry, structural assignment and conformational analysis of biologically active compounds. Maintains substantial knowledge of state-of-the-art principles in protein purification and modification, and methods for the chromatographic separation methods of proteins; contributes to scientific literature and conferences. Minimum requirements: Ph.D. in Chemistry and three years of experience as a research scientist or three years of postdoctoral research; 40 hours per week Monday through Friday, 9:00–5:00; \$58,300.00 per year. Send résumé and cover letter to: Case No. 40974, P.O. Box 8968, Boston, MA 02114.

POSITIONS OPEN

AVIAN PATHOLOGIST/ANATOMIST/ MOTOR CONTROL

The Department of Neurology, Baylor College of Medicine seeks application for a tenure-track position at the level of POSTDOCTORATE FELLOW, RE-SEARCH ASSOCIATE, or INSTRUCTOR. The successful candidate should have experience in techniques of neuroanatomy in avians and will focus on neuroanatomy as well as physiology of speech-related motor output in psittacines and related species. The successful candidate will have access to facilities related to animal research and is expected to develop an active laboratory in the domain of speech-motor output in psittacines, focusing on anatomy and motor control. Those interested should submit a curriculum vitae as well as four letters of recommendation sent directly from references to: David B. Rosenfield, M.D., Stuttering Center Speech Motor Control Laboratory, Department of Neurology, Baylor College of Medicine, Houston, TX 77030. Review of applications begins October 17, 1994, and will continue until a suitable candidate is found. Baylor College of Medicine is an Equal Opportunity/Affirmative Action Employer.

Center for Synchrotron Radiation Research and Instrumentation Is Seeking a STRUCTURAL BIOCHEMIST

A position in the Department of Chemical and Biological Sciences at Illinois Institute of Technology is currently open. It is anticipated that the initial appointment will be at the RESEARCH ASSISTANT/ASSOCIATE PROFESSOR level with conversion to tenure-track after two years. We are seeking an experienced macromolecular crystallographer with interest in the development and use of synchrotron facilities for diffraction studies.

Illinois Institute of Technology, through its Center for Synchrotron Radiation Research and Instrumentation, will be responsible for the development of several synchrotron beam lines at the Advanced Photon Source currently being constructed at Argonne National Laboratory near Chicago. The successful candidate will work closely with the Center staff on the development of two beam lines for the Industrial Macromolecular Crystallography Association (IMCA), a consortium of 12 major chemical and pharmaceutical companies. Upon commissioning of the beam lines, it is anticipated that this faculty member will become Director of IMCA operations at the Advanced Photon Source.

To apply, please send a curriculum vitae and publication list to:

Professor T. I. Morrison, Chair Department of Chemical and Biological Sciences Illinois Institute of Technology Chicago, IL 60616 USA

Illinois Institute of Technology is an Equal Employment/Affirmative Action Employer/Male/Female/Disabled/Veterans.

MOLECULAR BIOLOGY OF ARTERIOSCLEROSIS Boston Heart Foundation/MIT Arteriosclerosis Center

A STAFF SCIENTIST position is available immediately for a molecular biologist with at least two years of experience with expression cloning. Research involves arterial matrix synthesis and its relation to atherogenesis. Qualified individuals are eligible for appointment to the Harvard/MIT Division of Health Sciences and Technology. The Boston Heart Foundation is a non-profit research and clinical center located between MIT and Massachusetts General Hospital whose staff are affiliated with one or both institutions. To apply, please send curriculum vitae and three letters of reference to: Dr. Robert S. Lees, Professor, Harvard/MIT Division of Health Sciences and Technology, Boston Heart Foundation, 139 Main Street, Cambridge, MA 02142.

TUFTS/NEW ENGLAND MEDICAL CENTER RESEARCH ASSOCIATE RHEUMATOLOGY/IMMUNOLOGY

Position available for T cell epitope mapping studies of Lyme disease. Extensive experience with tissue culture and supervisory skills required; experience with T cells desirable. Send curriculum vitae to: Allen C. Steere, Division of Rheumatology/Immunology, 750 Washington Street, Box 406, Boston, MA 02111. FAX: 617-956-4252. New England Medical Center is an Equal Opportunity Employer.

POSITIONS OPEN

HOLLAENDER POSTDOCTORAL FELLOW-SHIPS available to conduct energy-related research in the life, biomedical, and environmental sciences. Fellow-ships are tenable at Department of Energy, university, or private laboratories with programs sponsored by the Office of Health and Environmental Research. Stipend is \$37,500. A doctoral degree received after April 30, 1993, is required as is U.S. citizenship or PRA status. Deadline is January 15, 1995. Contact: Hollaender Postdoctoral Fellowships, Science/Engineering Education Division, Oak Ridge Institute for Science and Education, P. O. Box 117, Oak Ridge, TN 37831-0117. Telephone: 615-576-9975.

RESEARCH CORE FACILITY MANAGER, FLOW CYTOMETRY

The Arthritis and Musculoskeletal Diseases Center at The University of Alabama at Birmingham, Birmingham, Alabama, is currently seeking an experienced FLOW CY-TOMETRY OPERATOR. The successful candidate will possess experience in the daily operation of a large multi-user core facility. The candidate must have experience necessary to analyze and isolate cell subpopulations based on six (6) parameter flow techniques. Additional experience should include simultaneous DNA/RNA analysis, calcium studies, immunophenotyping and sorting or analysis of DNA in living cells. Experience with the FACScan® and FACStar^{Plus®} flow cytometers is preferred. This position requires a college degree, five to seven years of experience and certified flow cytometry training. Additional years of experience may substitute for degree requirement. Competitive salary and generous benefit package. Interested applicants should send a letter of introduction and curriculum vitae to: William J. Koopman, M.D., Director, UAB AMDC, The University of Alabama at Birmingham, Tinsley Harrison Tow-er 413, Birmingham, AL 35294. FAX: 205-934-1564. The University of Alabama at Birmingham is an Affirmative Action/ Equal Opportunity Employer.

EXPERIMENTAL ASTROPHYSICIST

The National Solar Observatory (NSO) has a position available for an **ASTRONOMER** or **PHYSICIST** to participate in the NSO program to develop adaptive optics systems for solar telescopes. Applicants should have a Ph.D., or equivalent, in astrophysics or physics and should have demonstrated hands-on experience in the planning, construction, testing and commissioning of so-Phisticated electro-optical systems. The National Solar Observatory has presently under development at its New Mexico Sacramento Peak site an adaptive optics system for the 76 cm aperture Vacuum Tower Telescope. Especially challenging for the solar application of adaptive optics systems is the development of a high speed wavefront sensor capable of being used on relatively low contrast, extended objects like the sun. The successful applicant will be expected to foster cooperative programs with university-based astronomical adaptive optics programs. The position is a tenure-track position at the Assistant or Associate Astronomer level depending on experience and professional background. For more information potential applicants can contact Jacques M. Beckers at 602-325-9328 (NSO-Kitt Peak site) or 505-434-7001 (NSO-Sac Peak site); by Email at jbeckers@noao.edu. Applications should be received by December 15, 1994, and should include a curriculum vitae and the names of three professional references. Send to: Ms. Revell Rayne, NOAO Human Resources Manager, P.O. Box 26732, Tucson, AZ 85726.

An Equal Opportunity/Affirmative Action Employer.

MEDICAL RESEARCH ASSOCIATE in Cardiovascular Dynamics

Full-time opportunity to join our nationally renowned Harvard-affiliated Research and Training Institute. You will be responsible for managing clinical research studies in cardiovascular dynamics and aging, including signal processing, data management and analysis, and performance of various cardiovascular laboratory procedures. Will also prepare manuscripts, abstracts, and grant applications. Ph.D. training in physiological research, computer experience, and a strong interest in nonlinear dynamics and aging required. Excellent opportunity for academic advancement.

advancement.
We are a 725-bed chronic care hospital offering a competitive salary and benefits package. Please send résumé to: Alice Dowd, Human Resources Department, Hebrew Rehabilitation Center for Aged, 1200 Centre Street, Boston, MA 02131. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION MOLECULAR BIOLOGY

Fisons Pharmaceuticals has an immediate opening for a Postdoctoral Fellow in the Department of Biology at its research facility in Rochester, New York. Applicants with an interest in central nervous system, disorders or pathologies involving free radicals are encouraged to apply. Research will focus on the regulation of genes associated with free radical-mediated neuroinflammation and neurodegeneration and will be highly multidisciplinary and collaborative in nature.

The ideal candidate will possess a strong background in molecular biology/protein biochemistry, and knowledge of eucaryotic gene expression will be considered an asset. Excellent oral and written communication skills and the ability to work independently are required. The appointment is for one year, renewable for a second year upon mutual agreement. Excellent salary, relocation, and benefits will be offered to the successful candidate.

For consideration, please send curriculum vitae, relevant reprints, and three letters of recommendation to: Employment Office, REF AD # BEW903, Fisons Pharmaceuticals, P.O. Box 1710, Rochester, NY 14603.



Fisons Corporation

An Equal Opportunity Employer M/F/D/V



MYRIAD

MYRIAD GENETICS, INC.

Senior Scientists, Postdoctoral Fellows and Technicians

Myriad Genetics is a biotechnology company focused on the isolation of human genes that predispose to cancer and coronary heart disease. Myriad is expanding its molecular biology and diagnostic groups. Company facilities are located in Research Park adjacent to the University of Utah. Myriad offers a competitive compensation package, stock option package, and highly stimulating, interactive environment. Positions are available immediately for applicants with strong backgrounds in molecular biology, informatics, genomic research, and/or molecular diagnostics. We are especially interested in postdoctoral fellows and technicians, but highly qualified Ph.D. scientists should also apply. Please send a C.V. and letter of interest outlining your area of expertise to: Dr. Dennis Ballinger, Myriad Genetics, Inc., 421 Wakara Way, Salt Lake City, Utah 84108.

DEPARTMENT OF THE ARMY OPPORTUNITIES

Become a member of the Army's research and development community involved in basic and applied scientific research and advanced technological development.

Listed below are career opportunities at various Army laboratories and research, development and engineering centers for senior research scientists and engineers.

Senior Research Scientist (Environmental), Vicksburg, Mississippi (DA-ST-01-94)

Senior Research Scientist (Burn Infections), San Antonio, Texas (DA-ST-02-94)

Senior Research Scientist (Medical Chemical Defense), Aberdeen, Maryland (DA-ST-03-94)

Senior Research Scientist (Biotechnology), Natick, Massachusetts (DA-ST-04-94)

Senior Research Scientist (Low Observable Technology), Warren, Michigan (DA-ST-05-94)

Senior Research Scientist (Theoretical Physics), Research Triangle Park, North Carolina (DA-ST-06-94)

Senior Research Engineer (Aeromechanics), Moffett Field, California (DA-ST-07-94)

Senior Research Scientist (Sensors), Adelphi, Maryland (DA-ST-08-94)

Senior Research Engineer (Information Science & Technology), Adelphi, Maryland (DA-ST-09-94)

Senior Research Éngineer (Ceramic Materials), Watertown, Massachusetts (DA-ST-10-94)

Senior Research Scientist (Electromagnetics), Fort Monmouth, New Jersey (DA-ST-11-94)

Senior Research Scientist (Soldier Performance), Aberdeen, Maryland (DA-ST-12-94)

Apply To:
U.S. Army Materiel Command
5001 Eisenhower Avenue
ATTN: AMCPE-CS
Alexandria, VA 22333-0001
(703) 274-9415

Applicants should be recognized as national/international authorities in their research specialties. Salaries range from \$79,931 to \$115,700 (plus locality pay) per year. Interested individuals should call (703) 274-9415 for application materials. Applications must be postmarked by October 28, 1994.

The Department of Army is an Equal Opportunity Employer—U.S. Citizenship Required

RESEARCH SCIENTIST

Molecular Biologist/Geneticist

(lob No 49)

The Australian Institute of Marine Science (AIMS) is a Commonwealth Statutory Authority which is responsible for conducting marine research for the sustainable development, conservation and management of the nation's marine resources. The Institute also seeks to create opportunities, in conjunction with industry, for technological and commercial development, and to foster collaboration in marine science. Located at Cape Ferguson, 50 km south of Townsville, the Institute is housed in a well equipped laboratory and office complex with extensive support facilities.

AIMS invites applications from suitably qualified persons for appointment as a Research Scientist in the Institute's Environmental Studies and Biotechnology Program. A major focus of the program is mariculture, focussed on the reproductive biology and genetic improvement of cultured marine species, particularly penaeid prawns. We require an innovative molecular biologist/geneticist to define, design, establish and conduct research projects within the broad objectives of existing mariculture research at AIMS. These are to investigate the molecular and physiological controls of reproduction and growth, and develop means to genetically improve, penaeid prawns. They will have a PhD or equivalent experience in molecular research on gene regulation of key physiological processes in eucaryotes. Postdoctoral experience is desirable.

The appointment is initially for a 3 year fixed term with extension subject to performance and funding availability. A salary within the range of AUS \$44,005 to \$48,841 is offered depending on qualifications and experience.

Applications, including a resume and the names of three professional referees, should be addressed to:

General Manager Support Services Australian Institute of Marine Science PMB No 3 Townsville MC Qld 4810

Applications close 16 November 1994

For further information about this position contact Dr John Benzie on (077) 78 9314 Fax (077) 72 5852. Duty Statement and Selection Criteria are available from (077) 78 9210 (24 hour answering machine). Please quote the applicable Job No.

AIMS is an Equal Opportunity Employer and promotes a smoke free work environment.



FACULTY POSITION BIOMEDICAL LASER RESEARCH



A faculty position at the level of Assistant, Associate, or Full Professor is available at the New England Eye Center, Tufts University School of Medicine, to conduct ophthalmic laser research and to develop novel techniques for optical tomography and laser surgery. Potential candidates should have a strong background in optics and lasers, good communication skills, and an ability to work closely with clinical investigators. A Ph.D. degree in physics, biomedical engineering, biophysics, optics, or related field is preferred. Successful candidate will develop his or her own independent research program. Please send CV and three letters of recommendation to Carmen A. Puliafito, M.D., Director, New England Eve Center, 750 Washington Street, Boston, MA 02111, FAX (617) 956-4215.



Readership in Botany

Applications are invited for a Readership in the Department of Botany (Ref. 94/95-20) tenable from July 1995. The appointment will be made initially on a three-year fixed-term basis.

Applicants should have a PhD with a strong record of research activity and publications as well as some administrative experience and qualities of leadership. The appointee should be able to teach courses in Biology, Plant Biochemistry, Plant Biotechnology and Food Chemistry.

The University reserves the right not to fill the Readership and/or to fill the Readership by invitation.

Annual salary [non-superannuable but attracting 15% (taxable) terminal gratuity] is on a 9-point scale, with starting salary depending on qualifications and experience: HK\$669,360 - HK\$889,260 (approx. US\$86,930 - US\$115,488; US Dollar equivalents as at 31 August 1994). At current rates salaries tax will not exceed 15% of gross income. Housing at a charge of 7.5% of salary, children's education allowances, leave, and medical benefits are provided.

Further particulars and application forms may be obtained from the Appointments Unit, Registry, The University of Hong Kong, Hong Kong (fax: (852) 559 2058; E-mail: APPTUNIT@HKUVM1.HKU.HK). Particulars are also available on the University's listserv accessed by E-mail as "listserv@hkuvm1.hku.hk" (specify "get apptment filelist" for list of vacant posts, and "help" for details of listserv commands). Closes 11 November 1994.

RESEARCH BIOCHEMIST AND MOLECULAR BIOLOGIST

-95/1457849

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General Atomic's Biosciences Division is seeking two energetic and versatile individuals. A biochemist and a molecular biologist to establish new research projects in protein engineering, macromolecule synthesis, and biosensor development. You will work in a multidisciplinary environment and be challenged to develop innovative bioprocesses, bioreagents, DNA sequencing methods, and biosensors. Specific projects will be tailored to the interests and strengths of the successful candidates. Presentation of results at national meetings and publication in peer-reviewed journals is encouraged. JOB Nos: 689-6505 (Biochemist) and 689-9404 (Molecular Biologist)

Candidates should have a Ph.D., strong background in biochemistry or molecular biology, and be capable of carrying out independent research. Expertise in recombinant DNA techniques, yeast genetics, protein biochemistry, and DNA synthesis is preferred along with good communication skills.

General Atomics has been engaged in a wide range of high technology R&D for over 30 years and is currently developing mapping and sequencing technologies for the Human Genome program and studying the regulation of collagenases for wound healing. These positions offer a unique opportunity with the company's exploratory research group which is committed to providing the resources and environment necessary to stimulate scientific creativity. Recent Ph.D. graduates with a strong record of accomplishment are encouraged to apply.

GA offers excellent compensation/benefits and an outstanding work environment including a complete fitness center. We are located on a campus-like setting on Torrey Pines Mesa, one of the most beautiful areas of San Diego.

For prompt consideration, please REFERENCE A JOB NUM-BER and forward a CV and brief statement of research interests to: Human Relations Dept. 94-57, General Atomics, P.O. Box 85608, San Diego, CA 92186-9784.

SCIENTISTS/ENGINEERS

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The transition from theory to practical application. Throughout Schering-Plough's Biotechnology Development facility in Union, NJ, scientists and engineers skillfully devise innovative methods to bring quality pharmaceutical products to market.

SR. SCIENTISTS/ CHEMICAL ENGINEERS

As a member of a team of respected professionals in our Biotechnology Development group, you will play a key role in the timely advancement of clinical candidates toward approval via process development and clinical material production in one of the following areas:

Fermentation Process Development

You will be involved in the development of fermentation (E. coli and Cell Culture) of recombinant proteins and viruses in our Union, NJ Development facility prior to the transfer of clinical product. Responsibilities will also include facilitating the transfer of processes to our facility in Switzerland, requiring extensive travel during the clinical production of newly developed materials.

To qualify, you will need a PhD in Biochemistry or Microbiology and 0-3 years of related experience; or a PhD in Chemical or Biochemical Engineering and 0-2 years of related experience. Background must include experience with E. coli and/or cell culture fermentation. For consideration, please respond to: Dept. PL-BD94-09/SC.

Bioisolation Process Development

You will be involved in the development of purification and characterization of recombinant proteins and viruses in our Union, NJ Development facility. Responsibilities will also include facilitating the transfer of processes to our facility in Switzerland, requiring extensive travel during the clinical production of newly developed materials.

To qualify, you will need a PhD in Biochemistry or Microbiology and 0-3 years of related experience; or a PhD in Chemical or Biochemical Engineering and 0-2 years of related experience. Background must include experience in the purification and characterization of proteins. For consideration, please respond to: Dept. PL-BD94-08/SC.

SUPERVISOR CELL CULTURE PLANT

You will have overall responsibility for the process development, scale up and clinical production of cell culture products in addition to the development of fermentation and recovery processes. This will include the day-to-day operations of the cell culture pilot plant and the maintenance of GMP status of the plant and its equipment. You will also coordinate research activities and implement new technologies in mammalian cell culture while supervising technical and non-technical personnel.

To qualify, you will need a PhD in Chemical/Biochemical Engineering, Microbiology or Cell Biology and a minimum of 2 years of related experience; or an MS in the above disciplines and a minimum of 5 years of related experience. Background must include experience with Microbial and Cellular Physiology plus demonstrated ability to plan, develop and direct R&D activities as well as implement new and improved mammalian and bacterial fermentation processes. Expertise in cell culture techniques and excellent supervisory skills essential. For consideration, please respond to: Dept. PL-BD94-10/SC.

We offer an excellent compensation package which includes a competitive salary and comprehensive benefits. For prompt, confidential consideration, we invite you to forward a resume indicating the Dept. Code for your position of interest and salary requirements to: Human Resources Manager, Schering-Plough Research Institute, 1011 Morris Avenue, Union, NJ 07083. We are an equal opportunity employer. We regret we are unable to respond to each resume. Only those selected for an interview will be contacted.







KAROLINSKA INSTITUTE CENTER FOR BIOTECHNOLOGY (CBT) NOVUM

Postdoctoral research positions in steroid/thyroid hormone receptor biochemistry & molecular biology

A couple of postdoctoral positions for work on the structure and function of steroid/thyroid hormone receptors as well as orphan receptors belonging to the same superfamily are available at the Center for Biotechnology, Novum, Karolinska Institute. The project involves state-of-the-art biochemical, molecular biological and cell biological approaches to understand the structure and function of these transcription factors.

The Center for Biotechnology (CBT) is situated at the South Campus of the Karolinska Institute, encompassing the Novum Research Center and Huddinge University Hospital. CBT has a staff of some 100 persons. Other research areas represented at CBT include molecular immunology and membrane biology. Novum Research Center also contains the Center for Nutrition and Toxicology as well as the Center for Structural Biochemistry (with facilities for X-ray crystallography, NMR-spectroscopy, EM and molecular modelling).

The positions as postdoctors/research associates are initially for two years with possibilities for extension for up to four years. Preference is given to applicants with experience in molecular biology. Adequate laboratory resources will be provided.

Applications should be sent to Professor Jan-Ake Gustafsson, Center for Biotechnology, Karolinska Institute, Huddinge University Hospital, Novum, S-141 57 Huddinge, Sweden, together with CV, relevant publications and two recommendation letters.

RESEARCH SCIENTIST

Saint Francis Campus

Saint Francis Hospital and Medical Center Located in Hartford, Connecticut, is seeking candidates to join our Department of Research to establish new programs in vascular biology. Candidates should have completed a doctoral degree and a postdoctoral fellowship and have prior experience in vascular biology. Candidates will be eligible for an appointment at the University of Connecticut School of Medicine, Interested candidates should send resume and references to:

Dr. Ernesto Canalis, Saint Francis Hospital and Medical Center, 114 Woodland St., Hartford, Connecticut 06105-1299, Fax: (203) 548-5415.



EEO/AA - M/F/D/V Pre-Employment Drug Testing

Senior Scientist





Alcon Laboratories has a position immediately available in our Biotechnology Division for a Senior Scientist in Molecular Biology. The selected candidate must be willing to actively collab-

orate within a multidisciplinary team of biochemists, pharmacologists, and medicinal chemists in identifying and developing drugs for the treatment of ocular disease.

Requirements include a Ph.D. in Biochemistry, Cell Biology or Molecular Biology with at least three years of postdoctoral training in Molecular Biology and a history of productive research, preferably in a pharmaceutical research environment. Experience in gene transfection *in vivo* is required. Candidates must have a strong background in recombinant DNA techniques, cDNA library construction and screening, plasmid construction, expression systems, and protein production. Preference will be given to applicants with either or strong interests in the genetics of ocular disease.

Interested qualified candidates should send their curriculum vitae, addresses and phone numbers of three references in confidence to: Alcon Laboratories, Inc., Placement and Development, T1-3 (SSMB), P.O. Box 6600, Fort Worth, TX 76115. Equal Opportunity Employer, M/F/D/V.

Principals Only, Please.



More Than Meets The Eye

Dean of the College of Liberal Arts and Sciences University of Illinois at Chicago

The University of Illinois at Chicago (UIC) invites applications and nominations for the position of Dean of the College of Liberal Arts and Sciences. The appointment will become effective August 1, 1995.

UIC, a Research 1 institution, has 14 colleges, with 17,000 undergraduate and 8,000 professional and graduate students. It is the largest university in northern Illinois. The College of Liberal Arts and Sciences has 22 departments, with approximately 475 faculty. The College serves nearly 11,000 undergraduate and graduate students, and offers 66 undergraduate and 41 master's and doctoral programs. As the largest college at UIC, Liberal Arts and Sciences plays a key role in providing the undergraduate core curriculum and pre-professional programs.

Candidates for the position must have achieved national stature in their field; have a demonstrated commitment to academic excellence and diversity; and be able to provide leadership in advancing the College's research, education, and service missions. The ability to work collegially and effectively with faculty and multidisciplinary constituencies within UIC, and to continue to develop and enhance relationships with external constituencies is essential. The position requires administrative experience that demonstrates a capability to lead a diverse academic unit. A candidate's scholarly accomplishments should qualify him/her to be appointed as full professor.

For fullest consideration, nominations and applications should be received by December 15, 1994. Applications, accompanied by a complete curriculum vitae, should be sent to:

Dr. Ellen Baird, Chairperson Search Committee for the Dean of the College of Liberal Arts and Sciences Office of Academic Affairs (M/C 105) University of Illinois at Chicago 601 South Morgan Street Chicago, Illinois 60607-7128

The University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer. Women, minorities, and people with disabilities are encouraged to apply.

DISEASE GENE DISCOVERY

Millennium is a rapidly growing biopharmaceutical company researching the genetic basis of common diseases and developing therapeutics using this understanding. This exciting approach is laying the foundation for progressive achievements in drug discovery and development.

As a privately held, start-up company with outstanding resources, we are firmly positioned to become the worldwide leader in the application of modern genetic technology to the development of pharmaceuticals.

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Enjoy the rewards of an innovative environment, the challenge of progressive science, the incentive of stock ownership, and a generous compensation package; publications in leading scientific journals actively encouraged.

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5th Floor, Cambridge, MA 02139;
FAX: (617) 374-9379. An Equal
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SCIENTISTS

PROTEIN EXPRESSION / PROTEIN PURIFICATION

■ You will be a member of a multi-disciplinary team studying proteins arising from our disease gene discovery programs. Recombinant proteins will be produced and purified to characterize their biological properties and therapeutic potential. You will need to establish efficient protein expression methods including bacterial, mammalian and insect systems. You will also be involved in the development of appropriate purification methods. Ph.D. in Molecular Biology, Biochemistry or Cell Biology, with 2 plus years of experience in protein expression work required.

VECTOR BIOLOGIST

EXPERIMENTAL AND CLINICAL GENE THERAPY

■ Utilizing your understanding of in vitro and in vivo systems, you'll use viral-based systems to discover novel disease-associated genes for the characterization of their therapeutic potential. Initial focus will be on the development of experimental (cell-based and animal) research models, but human gene therapy applications may be explored in the future. Requires a Ph.D. and/or M.D. with experience in Molecular Biology, as well as 2-3 years' using viral-based systems, including vector construction and cell infection. Experience with in vivo viral infections in murine (or other animal models) is desirable.

RESEARCH ASSOCIATES BIOLOGY

■ Independent researcher with extensive experience in establishing and maintaining tissue culture cell lines. Solid molecular biology skills, including experience in sub-cloning, PCR, RNA and DNA isolation, gene expression studies (using stable and transient transection analyses). Proficiency in FACS analysis. BS/MS with 3-5 years of experience.

- BS/MS researcher with 3-5 years of experience in embryonic stem (ES) cell culture, pro-nuclear injection, transgenic mouse breeding and characterization, mouse embryo micro manipulation. Experience in general molecular biology techniques and tissue culture of other mammalian cell types is a plus.
- BS/MS in biological sciences with 5+ years of experience in immunohistochemistry, in situ hybridization techniques, along with strong molecular skills.
- BS/MS in Biochemistry or Molecular Biology with 5+ years of experience in protein expression/protein purification. You will assist in establishing protein expression methods in various systems.
- In the cDNA core group, you will use your extensive knowledge of both construction and screening of cDNA libraries for the purpose of new gene discovery. BS/MS with 5+ years' relevant experience.

DIRECTOR OF BUSINESS DEVELOPMENT

■ The Director of Business Development will help lead our strategic planning, licensing and market analyses programs. You will work with our outstanding research groups to develop both short and long term product opportunities and new technologies, determine optimal business development strategies and propose deal structures.

Primary responsibilities will include negotiating technology licenses and collaborations with universities, identifying and analyzing potential partners for alliances, participating in, conceiving, structuring and negotiating corporate partnerships and joint ventures, representing the company in a variety of corporate development conferences.

Your professional background should include a BS or a more advanced degree in a life science field. An MBA or equivalent experience with 5+ years of business development experience in a biotech company is preferred.



MILLENNIUM PHARMACEUTICALS

Pathways To Discovery

FACULTY POSITION IN STRUCTURAL BIOLOGY

WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH

AND DEPARTMENT OF BIOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY



• Candidates are sought for a faculty position in the field of Structural Biology at the Whitehead Institute. Although candidates at all levels will be considered, preference will be given to candidates at the level of Assistant Professor (tenure track). The successful candidate will be expected to conduct an active research program and to participate in the Department's teaching program.

Applicants should have significant research accomplishments in the use of X-ray crystallographic approaches to study problems in structural biology.

Send a curriculum vitae, a summary of your proposed research program, and arrange to have three to five letters of recommendation with an evaluation of accomplishments and future potential to:

Dr. Peter S. Kim, Chair, Structural Biology Search Committee, Whitehead Institute for Biomedical Research, Department of Biology, Massachusetts Institute of Technology, Nine Cambridge Center, Cambridge, MA 02142.

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WHITEHEAD INSTITUTE

Tenure/Track Faculty Position University of Minnesota Medical School

Applications are invited for the position of Assistant Professor (Tenure-Track) in the Department of Pharmacology, Medical School. Successful candidates are expected to establish an outstanding independent research program, in addition to teaching, in the area of molecular pharmacology. Requirements include a Ph.D. in Biochemistry, Cell Biology, Molecular Biology, Pharmacology or related field, or an M.D., and 2 years of postdoctoral research background and experience using research background and experience using recombinant DNA technology for studying pharmacological problems and/or molecular biological problems are preferred. Applicants for Assistant Professor must have demonstrated involvement in quality research published in peer reviewed journals.

Appointment as Associate Professor (tenured) or Full Professor (tenured) may be considered for applicants who meet the qualifications established by the University of Minnesota. Associate Professor qualifications: Professional distinction in published research and demonstrated effectiveness in teaching and advising. Full Professor qualifications: National reputation in research and evidence of leadership in candidate's professional field. Evidence of consistently attracting extramural funding for research is required for appointment at the level of Associate or Full Professor.

Applicants should indicate level of position they are applying for and send a curriculum vitae, significant reprints, a statement of research plans, and three names for reference purposes to: Dr. S. A. Thayer, Chairperson of Search Committee, Department of Pharmacology, 3-249 Millard Hall, University of Minnesota, 435 Delaware Street S.E., Minneapolis, Minnesota 55455. Deadline for receipt of applications is October 14, 1994. Approximate start date January 1, 1995.

The University of Minnesota is an equal opportunity educator and employer.

SEARCH REOPENED



ASSOCIATE VICE PRESIDENT for RESEARCH LOYOLA UNIVERSITY OF CHICAGO

Loyola University of Chicago invites applications or nominations for the position of Associate Vice President for Research. The Associate Vice President for Research will also serve as the Director of University Research Services. We seek candidates with an earned doctorate (M.D., Ph.D., etc.), outstanding academic credentials commensurate with senior faculty member in a university department, previous experience in research administration, and a strong commitment to facilitating research and its development in a university setting.

The Associate Vice President for Research will be responsible for 1) the development, implementation, and supervision of policies governing the conduct of research and research programs throughout the University, 2) the coordination and management of research services offices and activities provided at Loyola's Lake Shore, Water Tower, and Medical Center Campuses, 3) serving as the representative and advocate for the research community by providing advice and consultation to the University administration, Deans, Academic Chairs, and Faculty that will enhance the University's research mission, 4) representing the University research community in matters pertinent to local, state, and federal research related issues, 5) working with Faculty and the University Development office to identify and facilitate opportunities for research funding, 6) overseeing the University Research Committee, safety committees, and all technology transfer activities. The Associate Vice President for the Medical Center.

Loyola University of Chicago, a private Jesuit institution, is composed of the College of Arts & Sciences, Mundelein College, and the Schools of Business, Education, Law, Medicine, Nursing, Social Work, and the Graduate School.

Please address all questions and nominations/applications with a current Curriculum Vitae by October 30, 1994.

Associate Vice President for Research Search Committee
Loyola University Chicago
Room 0742
2160 South First Avenue
Maywood, Illinois 60153
TX: 708-216-5840
FAX: 708-216-9433

LOYOLA UNIVERSITY CHICAGO is an Equal Opportunity/Affirmative Action Educator and Employer.

U.S. Department of Energy Office of Health and Environmental Research



DISTINGUISHED Postdoctoral Fellowships

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- Research related to Human Genome Program
- Tenable at various national and university laboratories
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- U.S. citizens or permanent resident aliens eligible
- Deadline February 1, 1995
- Information and applications:

Human Genome Postdoctoral Fellowships Science/Engineering Education Division Oak Ridge Institute for Science and Education P.O. Box 117

Oak Ridge, Tennessee 37831-0117 (615) 576-9975

TECHNICAL SALES REPRESENTATIVE

Stratagene, an Innovative supplier of molecular biology research products, is in search of a qualified and experienced Technical Sales Representative. This position represents a unique opportunity for qualified individuals to participate in a growing technical sales organization. The position is available immediately in the Los Angeles Territory.

Candidates should have strong practical experience in Molecular Biology or related field. Prior sales experience is beneficial. Sales Representative will attend an extensive training program at our beautiful coastal location in La Jolla, California. Stratagene offers an excellent company benefits package, including a 401(k) plan, and a competitive salary and incentive program. All qualified candidates forward resume of qualifications to:

Stratagene, Attn: Professional Staffing, 11099 N. Torrey Pines Rd., La Jolla, CA 92037. AA/EOE.



CETACEAN BIOLOGIST

The Biology Department invites applications for entry-level, tenure-track faculty position in cetacean biology. We are particularly interested in an individual with interests in feeding ecology, life history, population biology, and conservation biology of cetaceans. Candidate's research program should complement existing strengths in cetacean biology at WHOI, particularly those in behavior and bioacoustics. Successful candidate will be expected to have a vigorous research program, with demonstrated ability to obtain external funding, and will be encouraged to participate in the joint MIT/WHOI graduate education program. Ph.D. and postdoctoral experience required.

To apply, send curriculum vitae, statement of research interest, and names of three references by November 30, 1994 to: Biology Department Chair, Box 54PAP, Woods Hole Oceanographic Institution, Woods Hole, MA 02543. WHOI is a smoke free workplace.



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RESEARCH SCIENTIST COMPUTATIONAL BIOLOGY

We seek a Research Scientist to work with a scientific programmer and provide general support for a high-throughput sequence analysis project. Research functions will include the establishment of new analyses and refining existing analyses with a goal of maximizing the signal-tonoise ratio. Candidate must have a Ph.D. in Molecular Biology or related field. Also requires knowledge of diverse gene families and genetic diseases, four years' experience with DNA and protein sequence analysis and comparison, familiarity with the concepts of relational databases, and at least 3 years' programming experience. Excellent communication skills with non-experts is essential. Familiarity with 4th Dimension for the Macintosh is desired. (Job Code: OA-SC-SC-005)

NEUROSCIENCE PROGRAM

The following positions require a Ph.D. in Biology or related discipline:

MOLECULAR BIOLOGISTS

We currently seek Molecular Biologists to clone, express, and study novel neurotrophic agents or G-protein-coupled receptors for neuropeptide ligands. Preference will be given to the applicants with at least 3 years of post-doctoral experience, excellent training in a broad range of molecular methods, and demonstrated success in cloning novel genes using homology screening, PCR, and expression. (Job Code: OA-SC-FC-002)

PHARMACOLOGISTS

Pharmacologists are needed to establish and validate in vivo models of CNS degenerative disease and nerve damage. The position will involve close interaction with a variety of discovery groups at Amgen with novel genes whose potential therapeutic value in the nervous system needs to be evaluated. Preference will be given to applicants with at least 3 years of post-doctoral experience and a strong record of publication in a variety of neurological models. (Job Code: OA-SC-FC-003)

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FACULTY POSITION MOLECULAR CARDIOVASCULAR BIOLOGY

The Division of Molecular Cardiovascular Biology housed within the Department of Pediatrics, Children's Hospital Medical Center is seeking applications for a tenure track position to be filled at the Assistant Professor level. The successful candidates will have the Ph.D., M.D. or M.D.-Ph.D. degree and at least two years of postdoctoral research experience. Holders of the M.D. degree will have the opportunity to assume some clinical duties within the Department of Pediatrics, Division of Cardiology, but will be expected to devote at least 80% of their time to building a research program. Division faculty are encouraged to participate in the multidisciplinary graduate programs in Developmental Biology and/or Cell Biology and can participate in the graduate teaching programs of the University of Cincinnati College of Medicine. Areas of research emphasis include but are no limited to: mammalian development, basic studies in cardiovascular structure, and molecular and genetic analyses of normal and abnormal heart function. However, research excellence is more important than a particular category. Individuals able to take advantage of the significant investments in the transgenic and gene targeting technologies made by the Children's Hospital Research Foundation and the University of Cincinnati, College of Medicine are particularly encouraged to apply. Applications should include a comprehensive curriculum vitae and the names of three references. A summary of past research and future plans for an independent research program should be included. Applications should be sent to: Jeff Robbins, Children's Hospital Medical Center, Children's Hospital Research Foundation, Division of Molecular Cardiovascular Biology, TCHRF, Room 3057, 3333 Burnet Avenue, Cincinnati, OH 45229-3039.

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POSTDOCTORAL RESEARCH

Molecular and Structural Biology Pacific Northwest Laboratory

Several opportunities are available for postdoctoral research within the Molecular and Structural Biology Section of the Pacific Northwest Laboratory (PNL). PNL is one of the Department of Energy's multidisciplinary National Laboratories and is expanding programs in molecular and structural biology. Staff and research interests include:

Michael Bowman - metalloenzyme structure and function; biological free radical processes; pulsed electron spin resonance

Charles Edmonds - cell cycle changes in chromatin structure; protein modifications in response to environmental insults

Ralph Elston - marine biomedicine, marine microbiology, aquatic health management

Alfred Fuciarelli - electron migration during radiation-induced damage to DNA; proteins recognizing damaged DNA

Michael Kennedy - influence of DNA damage on DNA-protein interactions; protein structure-function relationships

Jeffrey Saffer - microbial genome research; alteration of mammalian gene expression by environmental agents

Richard Schneider - identification and use of industrially important microbial genes

David Springer - DNA damage and repair; DNA/protein interactions in chromatin

Brian Thrall - structure/function relationships in nucleotide excision repair

Fellowship stipends range from \$30,000 - \$45,000. Inquiries or applications (curriculum vitae and the names of three references) should be addressed to Dr. Jeffrey Saffer, Manager, Molecular and Structural Biology, Pacific Northwest Laboratory, P.O. Box 999, Richland, WA 99352 (E-mail: jd_saffer@pnl.gov).

JPL/NASA VISITING SENIOR SCIENTIST

Space Biomedical Research

The Jet Propulsion Laboratory invites applications to the Visiting Senior Scientist Program in the area of Space Biomedical Research. The position requires a PhD or equivalent degree, along with research experience and a record of research publications. Although any qualified person may apply, tenured faculty members with experience in NASA's Biomedical Research Program are the preferred choice. Responsibilities include aiding in the planning and implementation of the Biomedical Research Program within the Life Sciences Division at NASA Headquarters. Duties include extensive contacts with the research community, conducting peer reviews of research proposals, recommending selection of investigations as well as assisting in the maintenance of a balanced and productive program within budgetary resources. The appointee is expected to work closely with managers at several NASA centers and to advise potential investigators from the university community as to how their plans relate to the NASA Biomedical Program. Frequent travel and residence near NASA Headquarters (in the Washington, D.C. area) will be required. For more information about the scope of the program and position responsibilities, contact Dr. James Schrom at the NASA Space Flight Division, (202) 358-1461.

Tenured faculty members are the preferred choice, although qualified individuals from non-profit research institutions may also be considered. This position is open for immediate filling. Normal assignments in the Visiting Senior Scientist Program does not exceed two years. Appointees must be U.S. citizens or Permanent Residents, and are expected to return to their home institution following their NASA assignment. Please provide curriculum vitae, bibliography and the names of four references to:

Dr. Frederick H. Shair, 183-900, Jet Propulsion Laboratory, 4800 Oak Grove Drive, Pasadena, CA 91109, (818) 354-8251. An Equal Opportunity Employer M/F



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For application materials contact:

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SENIOR PRINCIPAL SCIENTIST

Drug Metabolism

You will have overall responsibility for providing analytical support for clinical drug metabolism studies as well as ensuring the rapid development and validation of analytical methods in the Department of Drug Metabolism and Pharmacokinetics and at contract research organizations. Methods will include GLC, HPLC, GCMS and LC-MS.

To qualify, you will need a PhD and a minimum of 8 years of laboratory and managerial experience in drug metabolism and bioanalytical research. A thorough

knowledge of modern analytical instrumentation, proven supervisory ability and strong oral/written communication skills are essential; a solid background in drug metabolism research, especially as it pertains to the support of clinical programs, is important.

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DEVELOPMENTAL GENETICIST

Assistant Professor

The Faculty of Biological Science, University of Tulsa, invites applications for the position of Assistant Professor of Developmental Genetics, employment to begin Fall Term, 1995. Outstanding candidates from all areas of developmental genetics will be considered; however, individuals exploiting transgenic technologies are especially encouraged to apply.

The University of Tulsa is a comprehensive, private university that emphasizes excellence in teaching and research. The Faculty of Biological Science currently consists of 16 members with diverse research interests and offers B.S., M.S., and Ph.D. degrees. The department has a fully functioning vivarium and transgenic mouse facility available for faculty use. Salary and start-up funds will be competitive.

The successful candidate will have a Ph.D., a commitment to excellence in graduate and undergraduate education, post-doctoral experience and a publication record indicative of the ability to establish an independent, externally-funded research program. Teaching responsibilities will include development of a graduate course in area of specialization and periodic participation in the undergraduate curriculum.

Applicants should submit Curriculum Vitae, a statement of teaching and research interests, several recent reprints and arrange to have three letters of reference sent to: Chair, Developmental Geneticist Search Committee, Faculty of Biological Science, The University of Tulsa, 600 S. College Ave., Tulsa, Oklahoma, 74104-3189. Review of applications will begin November 1, 1994, and continue until the position is filled.

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ANNOUNCEMENTS

RESEARCH INQUIRIES INVITED

The Smokeless Tobacco Research Council, Inc. invites inquiries regarding **GRANT APPLICATIONS**.

The Council sponsors independent research into questions of smokeless tobacco and health. Research support is through a program of grants-in-aid.

Grant applications are evaluated by the Scientific Advisory Board to the Council and will be judged solely on the basis of scientific merit and relevance.

Deadlines for submission of grant applications are 31 December for 1 July funding and 30 June for 1 January funding. Address inquiries or requests for applications to: The Smokeless Tobacco Research Council, Inc., 420 Lexington Avenue, New York, NY 10170. Telephone: 212-697-3485.

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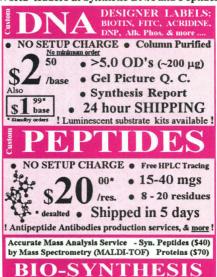
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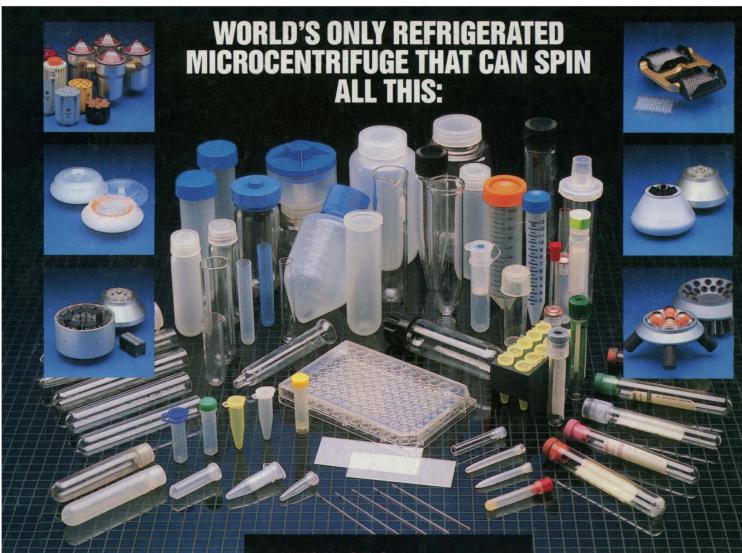
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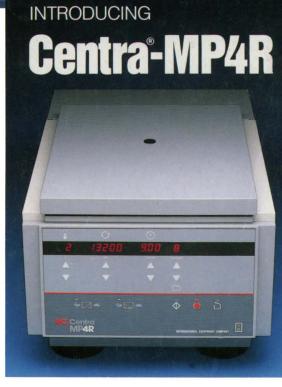
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