TENURE-TRACK POSITION

The University of Missouri Department of Physiology in the Medical School will fill a tenure-track position at the ASSISTANT or ASSOCIATE level with emphasis on Neurophysiology relative to established programs in cardiovascular physiology and molecular membrane biophysics. The position is very active in training cardiovascular physiology research students. A campus-wide program in molecular biology provides state-of-the-art facilities. The successful applicant will be expected to establish an independent research program in neurophysiology laboratory and to teach neuroscience in the medical curriculum and at the advanced graduate level. A Ph.D., M.D., or D.V.M. with 2 years of postdoctoral experience are required. Salary and startup funds are competitive. Send current curriculum vitae and list of references by July 1, 1994, to: Dr. Allan W. Jones, Chair, Department of Physiology, University of Missouri, MA 415 Medical Sciences, Columbia, MO 65212.

MISSOURI UNIVERSITY (MU) is an Equal Opportunity Employer with special initiatives to recruit and develop women and minorities. MU complies with guidelines of the Americans with Disabilities Act Amendments upon request. Contact Dr. Allan Jones, 314-882-4957.

ASSISTANT/ASSOCIATE PROFESSOR


VISITING INSTRUCTOR/ASSISTANT PROFESSOR BIOSCIENCES.

Ohio Northern University (OUNU), a Methodist church-related institution of 7,900 students, invites applications for an excellent teacher for courses in introductory biology and zoology during the 1994-95 academic year. The applicant should have the Ph.D. A B.D. will be considered. The position will begin September 1, 1994, and conclude May 31, 1995. Send a letter of application, resume, transcripts, a statement of teaching philosophy, and three letters of recommendation to: Terry Kester, Chair, Department of Biology, Ohio Northern University, Ada, OH 45810. ONU is an Affirmative Action/Equal Opportunity Employer and encourages applications from minorities and women.

BIOMEDICAL ENGINEERING CENTER

THE OHIO STATE UNIVERSITY

Biomedical Engineering Center is seeking a faculty member (ASSISTANT, ASSOCIATE or FULL PROFESSOR) with expertise in Biomedical Imaging. This faculty position is made possible by a recently funded WHITAKER FOUNDATION Special Opportunity Award. The applicant will have a doctorate in engineering and demonstrated expertise in biomedical image capture, processing or display. The successful candidate will participate fully in the development of the new graduate curriculum in biomedical imaging, teach courses, advise graduate students, and develop independent research projects and secure extramural funding to support these activities. This position is a tenure-track appointment. The Biomedical Engineering program at Ohio State currently has over 90 graduate students, a third of whom are working in biomedical imaging. Applicants should send resume and three letters of reference in confidence to: Dr. J. Frederick Cornhill, Chair, Biomedical Engineering Center, 1080 Carmac Road, 270 Bevis Hall, Columbus, OH 43210-1002. Telephone: (614) 292-2473. FAX: (614) 292-2482. The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, Vietnam-era veterans, disabled veterans and individuals with disabilities are encouraged to apply.

RESEARCH SCIENTIST, PH.D., DIVISION OF NEPHROLOGY:

RHODE ISLAND HOSPITAL/ BROWN UNIVERSITY SCHOOL OF MEDICINE

Rhode Island Hospital seeks a Research Scientist with a Ph.D. in Molecular and/or Cell Biology with a minimum of 2 years of postdoctoral research experience to join the full-time faculty staff. Candidates must qualify for appointment as INSTRUCTOR/ASSISTANT PROFESSOR of Biology at Brown University School of Medicine. The incumbent will participate in the educational and training programs of the Division. Individual must function as an independent but collaborative investigator with other scientists in the Nephrology Research Laboratory.

Interested candidates should send curriculum vitae to: Lance Dworkin, M.D., Chair, Search Committee, Rhode Island Hospital, 593 Eddy Street, Providence, RI 02903 by June 15, 1994. Screening of applicants will begin at that time and continue until a successful candidate is identified or the search is terminated. Rhode Island Hospital is an Equal Opportunity/Affirmative Action Employer and actively solicits applications from minority and protected groups.

ASSISTANT/ASSOCIATE PROFESSOR. Teaching and research (60/40) faculty position employing basic scientific approach to postharvest physiology of fresh horticultural crops. Requires participation on a multidisciplinary educational and research team. Ph.D. in plant science or allied field. Strong background in plant physiology and superior communication skills. Position requires in-house lecturer and teaching experience and a record of scholarly and academic achievement preferred. Salary commensurate with teaching and experience. Submit résumé, statement of goals, official transcripts and three letters of reference to: Lisa Washburn, Department of Horticulture and Landscape Architecture, Washington State University, Pullman, WA 99164-6414. (Telephone: (509) 335-9502) Deadline for application is July 1, 1994, or until position is filled. Equal Opportunity Employer/Affirmative Action/Americans with Disabilities Act.

ASSISTANT PROFESSOR or ASSOCIATE PROFESSOR expert in cellular and molecular biology. Applicant should have terminal degree and cooperate with colleagues within and outside the department. Send curriculum vitae to: Dr. Dale E. Bockman, Department of Cellular Biology and Anatomy, Medical College of Georgia, Augusta, GA 30912-2000, MCC is an Equal Opportunity Employer. Women, minorities and the disabled are encouraged to apply.

IMMUNOLOGIST

University of Massachusetts Medical School (UMMC)

The Department of Molecular Genetics and Microbiology invites applications for a tenure-track position at the ASSISTANT or ASSOCIATE PROFESSOR level in immunology or cellular immunology. Ability to establish an externally funded research program and to teach graduate and medical students is expected. Applicants should include curriculum vitae, a brief statement of research accomplishments and interests, reprints of selected publications (not to exceed 5), and the names, addresses and telephone numbers of 3 individuals whom the applicant has asked to send letters of recommendation. Send applications to: Immunology Search Committee, Department of Genetics and Microbiology, University of Massachusetts Medical School, 55 Lake Avenue North, Worcester, MA 01655. UMMC is an Equal Opportunity/Affirmative Action Employer.
At Sandoz Pharmaceuticals Corporation, research is the tool by which we gain the knowledge needed to improve the lives of countless thousands across the country and around the world. That is why we have committed substantial resources to expanding our research institute, which now includes a wealth of state-of-the-art technologies and brand new laboratory facilities. If your career belongs on the leading-edge of scientific research, you belong at Sandoz. We currently have immediate openings available for the following research professionals:

**Associate Fellow - Diabetes**
Ph.D. or equivalent in Physiology or a related discipline with outstanding practical laboratory experience to direct a laboratory dedicated to the physiological evaluation of potential hypoglycemic agents. The incumbent will also assist in the development and assessment of novel animal models of insulin resistance and diabetes. Knowledge of carbohydrate and fat metabolism, insulin resistance and diabetes would be a definite plus. Applicant should possess strong oral and written communication skills, and be able to interact with other scientists congenially and successfully. (Position #2889).

**Postdoctoral Fellow - Diabetes**
Recent Ph.D. or equivalent in a life science to work on a project involving the activation of glucose transport. The ideal candidate would possess a strong background in biochemistry of signal transduction and whole-animal or isolated organ physiology. Applicant should possess strong written and oral communication skills. (Position #PD-019).

**Postdoctoral Fellow - Diabetes**
Recent Ph.D. or equivalent to work on a project concerned with the regulation of expression of genes relevant to the development and/or treatment of insulin resistance and non-insulin-dependent diabetes mellitus. The ideal candidate will have a recent Ph.D. or equivalent in Biochemistry, Molecular Biology or a closely related subject, with a background and interest in hormone action, signal transduction or the regulation of gene expression. (Position #PD-023).

**Postdoctoral Fellow - NMR Applications In Biology**
The Central Technologies Department seeks a highly motivated individual with a Doctoral degree in the Life Sciences. This position will provide postdoctoral training in the application of nuclear magnetic resonance methodology to problems of intermediary metabolism in disease, drug therapy, metabolism and toxicity. The successful candidate will have broad training in the life sciences, a working knowledge of NMR and the desire to exploit new technologies to address issues in drug discovery and development. He or she will pursue collaborative research in a multidisciplinary environment. Tissue culture and/or organ perfusion expertise is desirable. (Position #PD-013).

**Postdoctoral Fellow - Biomedical Mass Spectrometry**
This position will provide qualitative and quantitative mass spectrometric support of Drug Metabolism research. The successful candidate will be the prime operator of a state-of-the-art EC/ESI/MS system. Activities will include quantitative feasibility studies for new drug candidates and MS support of drug metabolite identification work from both in-vitro and in-vivo systems. Strong electromechanical skills and experience with Finnigan mass spectrometers would be advantageous. A Ph.D. or equivalent in Analytical Chemistry, Pharmaceutical Science or related field and a background in mass spectrometry is required. (Position #PD-022).

Postdoctoral appointments are for one year but are renewable for a second year by mutual agreement. Sandoz Research Institute provides our scientists with an environment that encourages creative thinking and ample opportunities for publication and research presentations.

Sandoz offers comprehensive health, dental, and savings plans as well as an attractive location in northern New Jersey.

For consideration, please specify the number of the position you are responding to and forward your curriculum vitae and the names and addresses of three references to:

**Sandoz Pharmaceuticals Corp**
SRI Human Resources  
Building 122/L  
East Hanover, NJ 07936  
An Equal Opportunity Employer M/F/D/V

**Sandoz**
bringing research to life
**POSITIONS OPEN**

**ASSISTANT PROFESSOR PHYSIOLOGY**

The Department of Physiology and Neurobiology, University of Connecticut, invites applications for an anticipated full-time tenure-track position at the Assistant Professor level. Applicants must have a doctoral degree with broad training in physiology and at least two years of postdoctoral experience. A primary goal of this position is to maintain an independent research program supported by extramural funding. Faculty research focus is on understanding cellular and molecular transport mechanisms using cellular and molecular approaches. Applicants with an interest in comparative physiology are encouraged to apply. Candidates should have a funded research program in skeletal biological sciences and experience in investigating the role of blood vessels and cardiovascular physiology in disease. Applications will be considered. Required qualifications include: (1) Ph.D. in physiology or related discipline; (2) demonstrated research skills in systems and evolutionary biology; (3) experience in research and teaching; (4) ability to obtain extramural funding; (5) interest in working with students from underrepresented groups; (6) ability to maintain an active program of research and teaching; (7) ability to interact effectively with students and colleagues from diverse backgrounds. A comprehensive search package including letters of recommendation must include at least three letters of reference. The annual salary range is $50,000 to $65,000, depending on experience. Applicants should send letter of application, curriculum vitae, statement of research and teaching interests, and names, addresses, and telephone numbers of three references to: Dr. Laura Clars, Department of Physiology and Neurobiology, University of Connecticut, PO Box 418, Storrs, CT 06269–3042. We encourage applications from underrepresented groups, including women and people with disabilities. (Search #4A301)

**VERTEBRATE BIOLOGIST CARLETON COLLEGE**

Applications are invited for a one-year leave replacement beginning September 1, 1994, at the rank of ASSISTANT PROFESSOR in the Department of Biology. Responsibilities include teaching courses in vertebrate biology, a course in animal behavior, a seminar in area of special interest, and participation in laboratory instruction for introductory courses. Ph.D. preferred. Consideration will be given to candidates with interests in tropical biology and scientific research and teaching experience in Africa. Salary is negotiable. Applications should include a letter of application, a curriculum vitae, and a statement of teaching interests. Interviews will be held at the AAAS meeting in Washington, DC, February 17–19, 1994. Review of applications will begin January 15, 1994. Email inquiries to: G. E. Wagenbach, Department of Biology, Carleton College, Northfield, MN 55057–4055, or call 507/222-5372. Carleton College is an Equal Opportunity/Affirmative Action Employer.

**FACULTY POSITIONS IN DRUG ABUSE AND ALCOHOLISM**

The University of Arkansas for Medical Sciences (UMS) is seeking a full-time faculty member with interests in drug abuse and alcoholism. The position is for a basic scientist at the ASSISTANT OR ASSOCIATE PROFESSOR level with a strong record of research productivity in cellular or molecular aspects of alcoholism, drug abuse, or neuropharmacology. This position is in the Department of Pharmacology and Toxicology. Adequate laboratory space is available in a new research building. The position is in the tenure track, with a tenure stream position anticipated. Send a letter of interest and curriculum vitae to: Dr. D. E. McMillan, Department of Pharmacology and Toxicology, University of Arkansas for Medical Sciences, 4301 West Markham Street, Little Rock, AR 72205. UAMS is an Equal Opportunity/Affirmative Action Employer.

**ASSISTANT PROFESSOR PLANT ECOLOGIST**

The faculty of the University of Mississippi Department of Biology invites applications for a tenure-track, nine-month appointment. Duties: Conduct research in specialty area; develop an extramurally funded research program; excel in undergraduate and graduate teaching, including introductory and specialty courses; direct graduate students; professional service; advise undergraduates. Research and teaching opportunities exist at the U.M. Biological Field Station. Qualifications: Doctoral degree; research experience and publications in plant ecology; evidence of ability to obtain extramural funding. Applications reviewed beginning May 1994, until position filled. Application must be postmarked on or before May 31, 1994. Salary: $20,000. Mail to: Dr. David E. McMillan, Department of Biology, University of Mississippi, University, MS 38677; Telephone: 662-815-4329. Women and minorities are particularly encouraged to apply. The University of Mississippi is an Affirmative Action/American with Disabilities Act/Equal Opportunity Employer.

**POSITIONS OPEN**

**ORTHOPAEDIC RESEARCH ASSISTANT PROFESSOR**

The Department of Orthopaedic Surgery is seeking applications for the position of Assistant Professor with at least 3 years of postdoctoral research experience to join the Musculoskeletal Research Laboratory. Candidates should have a funded research program in skeletal biology that includes cell biology. Specific focus is on cartilage and bone histomorphometry. Faculty rank will be determined by academic credentials and experience. Submit curriculum vitae and names of three references to: G. Paul DeRosa, M.D., Chairman, Department of Orthopaedic Surgery, Indiana University School of Medicine, 541 Clinical Research Drive, Room 1240, Indianapolis, IN 46222. Application deadline is May 20, 1994. Affirmative Action/Equal Opportunity Employer, M/F.

**ASSISTANT PROFESSOR HEMATOLOGY/ONCOLOGY**

The VA Medical Center and affiliated University of Arkansas for Medical Sciences/Arkansas Cancer Research Center are searching for a physician with demonstrated research and clinical expertise in Hematology/Oncology, multiple myeloma, and bone marrow transplantation for joint appointment with assistant professor rank. Significant clinical research background in cytokines and Phase II/III range in protocols and clinical trials desired. Applications should be directed to: Bart Barlogie, M.D., Director of Service (111J.R.), VA Medical Center, 4300 West 7th Street, Little Rock, AR 72208; Telephone: 501-660-2029; FAX: 501-660-2052. Equal Opportunity Employer.

**ASSISTANT PROFESSOR** in Vertebrate Biology

with interests in tropical biodiversity. FLORIDA IN- TERNATIONAL UNIVERSITY (FIU) seeks to fill a tenured-track position based at the North Miami campus to start in August 1994. The successful applicant will teach human anatomy and majors introductory biology, plus two other courses at their choice. Ph.D. and M.D. is required and postdoctoral experience preferred. To apply send curric- lum vitae, representative publications, and three letters of reference to: Dr. Gary Whittington, Chair, Department of Vertebrate Biology Search, Department of Biological Sciences, Florida International University, Miami, FL 33199; FAX: 305-348-2201. FIU is an Equal Access/Affirmative Action/Equal Opportunity Employer and a member of the State University System of Florida.

**RESEARCH MANAGER—BIOLOGICALS**

Kemin Industries, Inc., a leading manufacturer of animal feed ingredients, has an immediate opening in its Research and Development Department for a Research Manager who would oversee research on its digestive enzyme additives and edible antimicrobials. The Research Manager will report directly to the Director of R&D and will have principal responsibility for the invention of enzyme products and the ability to add animal feed additives as well as products to protect feeds from molds and bacterial contamination (e.g., Salmonella). Major job responsibilities include the management of R&D personnel, data analysis and interpretation, writing technical reports and peer-reviewed scientific publications, and laboratory responsibility for the performance of tests for the U.S., M.D., U.S.A. and Canada. A Ph.D. degree in biochemistry or microbiology is required. Preference will be given to those with previous industrial/supervisory experience and will be especially shown to those with an agricultural background. Job offer is conditional on passing a medical examination including a drug screen. No smoking is allowed on premises. Kemin Industries is an Equal Opportunity Employer. Please forward your resume along with the names of three references to: Dr. Rodney L. Ausich, Director of Research and Development, P.O. Box 70, Des Moines, IA 50301.
At Amgen, you’ll discover a research environment that emphasizes collaboration, intellectual honesty, scientific integrity, and a supportive culture. This unique approach has helped us grow into a global biotechnology leader in just thirteen years.

The Protein Chemistry Department seeks the following professionals to work on the purification and characterization of natural and recombinant proteins.

**RESEARCH SCIENTISTS**

- Requires a Ph.D. in Biochemistry, Biophysics, or a related field with 2-5 years’ postdoctoral experience in chromatography, biophysics, and electrophoretic techniques. Knowledge of FTIR spectroscopy is desirable for one of the positions. (Job Code: OA-SC-TA-001)

**RESEARCH ASSOCIATES**

- Requires a BS in Biochemistry or a related field and familiarity with chromatographic and electrophoretic techniques. (Job Code: OA-SC-TA-002)

At Amgen, you’ll find our approach to scientific research as rewarding as it is effective. We offer a highly competitive compensation and benefits package that includes a retirement and savings plan, an on-site fitness center, and three weeks’ vacation. Please FAX/mail your resume/c.v. to: FAX: (805) 447-1985. Amgen Inc., Staffing, Job Code (see above), Amgen Center, Thousand Oaks, CA 91320-1789. For additional information regarding Amgen’s recruitment process, please call (805) 447-4150. Principals only, please. EEO-Affirmative Action Employer M/F/D/N. We recognize that diverse perspectives are a key factor in the process of discovery.

**Protein Chemistry**

**SANDOZ CHAIR in NEUROSCIENCE
THE OHIO STATE UNIVERSITY MEDICAL CENTER**

The Neuroscience Program announces the continuation of its search for a senior investigator to assume the Sandoz Chair in the College of Medicine. We seek a highly qualified molecular or cellular neuroscientist (M.D. or Ph.D.) who will serve as an interface between strong basic and clinical neuroscience groups at Ohio State. This position is a fully endowed Chair; the successful candidate can expect to receive substantial space and a very generous start-up and research support package.

Neuroscience has been designated as a Center of Excellence in the Medical Center Strategic Plan. Neurobiotechnology is one of three major thrust areas in the University’s Biotechnology Program. Already in place are well funded programs in CNS neoplasia, neurotransmission and spinal cord repair, immunology, neuromuscular disease, psychiatric disorders, developmental neurobiology, autonomic, and enteric neurobiology, and molecular neurobiology. An interdisciplinary Ph.D. Program in Neuroscience, and a Medical Scientist Program (M.D./Ph.D.) provide campus-wide support for graduate education in neurobiology.

The Ohio State University is a comprehensive research University with all of the health science colleges located on the same campus with the Biotechnology Center and Colleges of Biological Sciences, Mathematical and Physical Sciences, and the Social and Behavioral Sciences. Opportunities for collaboration and interaction are extensive and diverse. The city of Columbus is the state capital and a major economic center which provides rich cultural and recreational opportunities to a metropolitan region of more than 1.4 million people.

Nominations are welcomed; applications should include a C.V., statement of research experience and interests and the names of three references, and should be sent to:

Michael S. Beattie, Ph.D.
Sandoz Chair in Neuroscience Search Committee
Department of Cell Biology, Neurobiology, and Anatomy
The Ohio State University Medical Center
333 West 10th Avenue
Columbus, Ohio 43210

Telephone: (614) 292-1781; e-mail: beattie.2@osu.edu

Review of applications will begin June 15, 1994, and will continue until the position is filled.

The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era Veterans, disabled veterans and the disabled are encouraged to apply.
JUDSON BRAUN CHAIR IN BIOLOGICAL PSYCHOLOGY Department of Psychiatry and Biobehavioral Sciences at UCLA seeks a senior research scientist to fill the Judson Braun Chair in Biological Psychiatry. The endowed professorship supports research activities of mental and emotional illness, with special attention to biological factors. Applicants should possess a record of substantial research, the ability to attract extramural funding, and demonstrated facility for attracting extramural funding. The successful candidate will be expected to play an integrative role between clinical and basic scientists within the Department. Former holder of the Braun Chair was Dr. Daniel X. Freedman. Please send curriculum vitae, a statement of research interests, and names and complete telephone numbers of three references to: Dr. L. Tischler, M.D., UCLA School of Medicine, Neuropsychiatric Institute, 760 Westwood Plaza, Los Angeles, CA 90024-1789. UCLA IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER.

FACULTY POSITION

Department of Psychiatry
University of California, Santa Barbara

The Department of Psychiatry at the University of California, Santa Barbara, invites applications for a tenure-track position available January 1, 1995, in the area of synthetic polymer chemistry. The Materials Department has a multidisciplinary focus on: macromolecular materials; electronic materials; materials processing; and catalysis and inorganic materials. Applicants should have a desire to pursue interdisciplinary research within the framework of the Department and in the context of the Research Laboratory's initiatives. Individuals are encouraged to apply who have interests in such areas as: synthesis of biopolymers; synthesis of conjugate and synthetic polymers; novel polymers for bio-electronics; synthesis of high performance polymers.

Responsibilities include teaching both undergraduate and graduate courses and developing a strong research program. A Ph.D. or an equivalent degree and evidence of excellence in research are required. Assistant or Associate Professor appointments may be made based on an outstanding record of research. Joint appointments with other Departments at UCSB are also possible.

To ensure full consideration, applications should be received by December 15, 1994. Candidates should send a resume containing teaching and research accomplishments and the names (not actual letter) of at least three references to: Professor David R. Clarke, Chair, Department of Psychiatry, University of California, Santa Barbara, CA 93106-0580.

An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS

THE DEPARTMENT OF CELL BIOLOGY, UMDNJ SCHOOLS OF OSTEOPHATHIC MEDICINE & SURGERY, invites applications from tenured-track faculty positions (open rank). Individuals with strong training in Cell Biology, Molecular Biology or Neurosciences are encouraged to apply. Preference will be given to applicants with research background and interests in protein biochemistry, lipid mediators, receptor regulation, signal transduction, and cytokine regulation, but serious consideration will be given to talented and highly motivated applicants working in other areas of cell biology. The successful candidate will be expected to develop an independent, extramurally funded research program and be prepared to participate in a vigorous program for teaching Osteopathic Medical Students. Applicants should submit: curriculum vitae, statement of future research interests and objectives and three letters of recommendation to: Professor Y.-K. Wong, Ph.D., Professor and Chairman, Department of Cell Biology, UMDNJ-School of Osteopathic Medicine, Stratford, NJ 08084. UMDNJ is an Affirmative Action/Equal Opportunity Employer, m/f/h/d, and a member of the University Health System of New Jersey.

BIOLOGY—CELL/MOLECULAR

Full-time, non-tenure-track faculty positions, begin September 15, 1994. Teach introductory majors and non-majors courses, cell, molecular, specialty courses, undergraduate and graduate. Ph.D. in cell biology is required. Preference given to candidates with a background in cell biology. Send curriculum vitae, 3 references, to: Dr. Sidney L. Beck, Department of Biological Sciences; DePaul University; 1160 West Belden, Chicago, IL 60614. DePaul is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

McGill University

Two positions available to study cell and molecular aspects of axonal growth. One position is to study integrin receptor interactions with the growth cone cytoskeleton. The postdoctoral fellow will study the characterization of a novel axon growth inhibitory molecule. Experience in cell biology, molecular biology, or protein chemistry is required. Send curriculum vitae, three letters of recommendation to: D. L. McKerracher, Centre for Research in Neuroscience, Montreal General Hospital, 1650 Cedar Avenue, Montreal, Quebec, Canada H3G 1A4.

POSTDOCTORAL POSITIONS

UNIVERSITY OF PENNSYLVANIA Department of Psychiatry

Faculty are being recruited for a new CENTER FOR EXPERIMENTAL THERAPEUTICS. A particular emphasis for initial recruitments is in the area of cardiovascular disease, particularly vascular biology and thrombosis. Faculty members will include the receptor biologist and enzymologist of systems relevant to cardiovascular disease, arachidonic acid, and related lipid metabolism; the chemist who studies the regulation of extracellular matrix, or an interest in renal tubular transport or vascular smooth muscle mechanisms. Faculty rank and salary will be commensurate with credentials. Interested applicants are requested to submit curriculum vitae, an indication of past and current research funding, a statement of research interests and the names of at least 3 research references.

Department of Psychiatry, University of Pennsylvania, Philadelphia, PA 19104-6084. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

Massachusetts Institute of Technology ENVIRONMENTAL CHEMIST

The Department of Civil and Environmental Engineering seeks an environmental chemist for a tenure-track FACULTY APPOINTMENT at a junior or senior level in the Ralph M. Parsons Laboratory. The candidate should have a strong background in the inorganic chemistry of natural waters. Specialization in such areas as metal and nutrient cycling, chemical-biotic interactions, ground and soil water chemistry, humic-metal interactions, photochemistry, or surface chemistry is welcome. The candidate should have an interest in multidisciplinary work and in collaborating with other faculty members, both within the Department and the greater M.I.T. community, on problems that involve the interaction of aquatic chemistry with fluid dynamics, hydrology, microbiology, soils remediation, ecology, and human health studies. The candidate should be capable of developing a strong research program, and teaching basic and advanced courses in the area of aquatic chemistry. Responsibilities will also include advising students and supervising thesis research. Applicants should send curriculum vitae, letters of reference, names and addresses of three referees, and a list of references to: Professor Harold F. Hemond, Faculty Search Committee, 48-419, Massachusetts Institute of Technology, Cambridge, MA 02139. M.I.T. is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

The postdoctoral fellow will be involved in a laboratory of research on the regulation of the gene expression of small genes involved in the control of cell differentiation. We are interested in: 1) the control of the activity of specific genes during differentiation, and 2) the role of small regulatory RNA. Salary available beginning in the Fall. Send curriculum vitae, three letters of recommendation, and names of three or more references to: Dr. M. J. Cho, School of Pharmacy, Beard Hall, C.B. 7360, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-7360. FAX: (919) 966-7747. (file: 90-1562) An Equal Opportunity/AA/Integrative Health University of North Carolina, Chapel Hill.

POSTDOCTORAL POSITIONS

INSTRUCTORS—BIOTECHNOLOGY


POSTDOCTORAL POSITIONS

For a two-year period immediately available for an olignoculeotide chemist with interest in membrane transport and understanding in various endocytic processes. Experience in methyloxanthine/PMA chemistry is desirable. Willingness to collaborate with cell biologists is essential. Send curriculum vitae and names of three references to: Dr. M. J. Cho, School of Pharmacy, Beard Hall, C.B. 7360, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-7360. FAX: (919) 966-7747. (file: 90-1562) An Equal Opportunity/AA/Integrative Health University of North Carolina, Chapel Hill.

POSTDOCTORAL POSITIONS

Applications are invited for tenure-track positions in the Department of Biophysics and Biophysics. Candidates must have a Ph.D. in Biophysics and postdoctoral training in an independent research program with a strong commitment to teaching. Special consideration will be given to candidates with a background in the investigation of structure, regulation of extracellular matrix, or an interest in renal tubular transport or vascular smooth muscle mechanisms. Faculty rank and salary will be commensurate with credentials. Interested candidates should have a curriculum vitae, an indication of past and current research funding, a statement of research interests and the names of at least 3 research references.

Department of Biophysics and Biophysics, University of Mississippi Medical Center, Jackson, MS 33216. Equal Opportunity Employer/AA/Int/D/4V.

JUNIOR FACULTY

TENURE-TRACK POSITION

Those with experience in molecular approaches applying computer technology to understand the pathogenesis of Alzheimer's Disease and Neurobiology should send curriculum vitae and references to: Caleb E. Finch, Ph.D., Chair, Search Committee, University of California, San Francisco, CA 94131. Interested applicants should have a curriculum vitae, an indication of past and current research funding, a statement of research interests and the names of at least 3 research references.

Applications are invited for a Junior Faculty position in the Department of Ophthalmology and Biophysics, University of Mississippi Medical Center, Jackson, MS 33216. Equal Opportunity Employer/AA/Int/D/4V.

INSTRUCTOR—BIOTECHNOLOGY


POSTDOCTORAL POSITION

Applications are invited for a postdoctoral position in the lab of Dr. P. Finell, College of Veterinary Medicine, Texas A&M University, College Station, TX 77843. 409-847-8652 (telephone); 409-847-8675 (FAX).

POSTDOCTORAL POSITIONS

Applications are invited for tenure-track positions in the Department of Biophysics and Biophysics. Candidates must have a Ph.D. in Biophysics and postdoctoral training in an independent research program with a strong commitment to teaching. Special consideration will be given to candidates with a background in the investigation of structure, regulation of extracellular matrix, or an interest in renal tubular transport or vascular smooth muscle mechanisms. Faculty rank and salary will be commensurate with credentials. Interested candidates should have a curriculum vitae, an indication of past and current research funding, a statement of research interests and the names of at least 3 research references.

Department of Biophysics and Biophysics, University of Mississippi Medical Center, Jackson, MS 33216. Equal Opportunity Employer/AA/Int/D/4V.

JUNIOR FACULTY

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Applications are invited for a Junior Faculty position in the Department of Ophthalmology and Biophysics, University of Mississippi Medical Center, Jackson, MS 33216. Equal Opportunity Employer/AA/Int/D/4V.
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Prm'ary research and stuippes development patients pharmacologyplus analyzingmenting, Kasarkis pharmacology and in theALS. The conference will focus on the role of SOD and free radicals in the central nervous system and in the pathogenesis of familial and sporadic ALS. The topics covered will include the structure and biochemistry of SOD, SOD mutations, SOD transgenic mice, the relationship of SOD to excitatory neurotoxins, SOD in neurodegeneration, and therapeutic approaches in ALS.

Organizers:
Raymond P. Roos, M.D., University of Chicago
Teepu Siddique, M.D., Northwestern University
John A. Tainer, Ph.D., The Scripps Research Institute

M. Aoki (Sendai, Japan)
J. Beckman (Birmingham, AL)
R.H. Brown (Boston, MA)
C.J. Epstein (San Francisco, CA)
D. Figlewicz (Rochester, NY)
I. Fridovich (Durham, NC)
E. D. Getzoff (La Jolla, CA)
Y. Groner (Rehovot, Israel)
M. Gurney (Chicago, IL)
R.A. Halliwell (London, UK)
E.J. Kasarskis (Lexington, KY)
S.J. Korsemeyer (St. Louis, MO)
N.G. Laing (W. Australia)
S. Marklund (Limea, Sweden)
J. McCord (Denver, CO)
M. Perciak-Vance (Durham, NC)
J.P. Philips (Guelph, ONT)
D.L. Price (Baltimore, MD)
J.D. Rothstein (Baltimore, MD)
N. Taniguchi (Osaka, Japan)
S. Tsuji (Niigata, Japan)
H. Utsumi (Fukuoka, Japan)
J. Valentine (Los Angeles, CA)
R.H. Weiss (St. Louis, MO)

For further information contact:
The University of Chicago, Center for CME
6019 South Kimbark, Box 129, Chicago, IL 60637
tel: 312-702-1056, fax: 312-702-1736

Cancer Prevention Fellowship Program

The Division of Cancer Prevention and Control (DCPC), NCI, is accepting applications for the Cancer Prevention Fellowship Program (CPFP). The purpose of this program is to train individuals from a multiplicity of health science disciplines in the field of cancer prevention and control. The program provides for: Master of Public Health training (at accredited university programs); Participation in the DCPC Cancer Prevention and Control Academic Summer Course (open to all physicians and scientists interested in learning the principles and practice of cancer prevention and control); Working at DCPC directly with individual preceptors on cancer prevention and control projects; Brief field assignments in cancer prevention and control programs at other institutions. Funding permitting, as many as ten Fellows will be accepted for up to three years of training, beginning July 1, 1995. Benefits include selected relocation and travel expenses, paid federal holidays, and paticipatory health insurance.

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

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

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

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

Douglas L. Weed, M.D., M.P.H., Ph.D.
Director
Cancer Prevention Fellowship Program
Division of Cancer Prevention and Control
National Cancer Institute
Executive Plaza South, T-41
Bethesda, MD 20892

Further Inquiries: Mrs. Barbara Redding
TELEPHONE (301) 496-8640
FAX (301) 402-4863

Deadline for receipt of applications: September 1, 1994

NIH is an Equal Opportunity Employer
TWO POSTDOCTORAL POSITIONS available immediately—one to study structure-function relationships in blood coagulation factors IX and VII and the second to study tissue factor pathway inhibitor gene regulation. Applicants should have strong background in protein chemistry and/or molecular biology. Since one of these positions may be supported by an NIH training grant, U.S. citizenship or permanent resident visa is required for that position. Submit curriculum vitae, a brief summary of prior research and three references to: S. Paul Bajaj, Ph.D., Saint Louis University Health Sciences Center, 3635 Vista Avenue, St. Louis, MO 63110. FAX: (314) 773-1167. St. Louis University is an Equal Opportunity Employer.

POSTDOCTORAL POSITION CANCER MOLECULAR IMMUNOLOGY

Position is available for a postdoctoral fellow interested in cytokine T cell responses to mutant onconeural products in tumors and acquired molecular mechanisms of escape from this response. We have an active program studying both animal and human systems, as well as a human therapeutic trial involving vaccination of cancer patients with peptides corresponding to mutant epitopes in their tumor antigens. A background in molecular or cellular immunology is preferred. Please send curriculum vitae, a letter describing your research experience and three references to: David Carbone, M.D., Ph.D., Simmons Cancer Center, University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas TX 75235-8593, Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

Available immediately to study antimicrobial mechanisms in broad coagulation factors IX and VII. Experience in protein chemistry and molecular biology required. Send curriculum vitae and three references to: Dr. Frank Oppenheim, Boston University Medical Center Campus, 100 East Newton Street, Boston, MA 02118. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available immediately to study the molecular mechanisms that inhibit the terminal differentiated cardic muscle cell from re-entering the cell cycle and dividing. Studies involve regulation of the cell cycle and tumor suppressor genes. Experience in cellular and molecular biology preferred. Send curriculum vitae and 3 letters of reference to: William C. Claycomb, Ph.D., Department of Biochemistry and Molecular Biology, LSU Medical Center, 1901 Perdido Street, New Orleans, LA 70112. Telephone (504) 586-4737, FAX (504) 568-7649. LSU is an Equal Opportunity/Affirmative Action Employer.

ASSOCIATE

Applications are invited for a POSTDOCTORAL POSITION as an Associate to work in the laboratory of Dr. Merchant, whose current research involves studies of Transcriptional mechanisms of growth in the gastrointestinal tract. Qualified candidates should possess either an M.D. or Ph.D., or both, in molecular biology or biochemistry. Preference in subcloning, DNA-protein interactions, e.g., gel shift assays, footprinting, methylation interference, and cell transfections is required. Please forward curriculum vitae and three letters of recommendation to: Dr. Merchant, University of Michigan, MSRB II Room 4544, Department 817, 1150 West Medical Center Drive, Ann Arbor, MI 48109-0600. An Equal Opportunity Employer.

BROWN UNIVERSITY

DIVISION OF BIOLOGY AND MEDICINE

Position available for individual interested in areas of protein structure-function, gene structure and regulation, protein-nucleic acid interactions, or molecular mechanisms of recombination. Previous experience with (or desire learning) biochemistry, molecular biology, DNA cloning, genetics or in vitro systems. Please send résumé with desired starting date and list of three references to: Dr. Julian Randy, Brown University, Box G-3360, Providence, RI 02912. Brown University is an Equal Opportunity/Affirmative Action Employer.
SR. RESEARCH SCIENTIST - FERMENTATION MICROBIOLOGIST

Experienced fermentation microbiologist for development and scale-up of bacterial enzyme fermentations. Will lead a team of 4-6 Ph.D. and BS Microbiologists in the testing of prototype production bacteria and the development of improved strains and fermentations. Will be responsible for the development of in-house fermentation capacity (small scale experimental fermentation and recovery equipment) and the transfer of the technology to production.

Required Qualifications

1. Experience with:
   • Classical strain improvement methods.
   • Lab Scale fermentation techniques.
   • Scale-up of fermentation to commercial levels.
   • Media optimization programs.
   • Computer aided experimental design.
   • Concepts and application of RNA technology.
   • Culture screening methods.

2. Ph.D. in microbial physiology/microbiology.

3. 5-10 years experience.

4. Supervisory experience.

5. Must be willing to travel.

RESEARCH SCIENTIST - MICROBIOLOGIST

This person will spearhead an interdisciplinary research and development effort to develop a program for the desulfurization of specific refinery streams. Needs to be able to develop an independent research program, formulate an in-depth research and experimental plan and execute it. One direct report initially with part-time assignments from process research, analytical chemistry, microbiology and molecular biology.

Required Qualifications

1. Ph.D. with 2-5 years of experience or no Ph.D. with extensive, current experience.

2. Background in microbiology and strain isolation, scale up and process development.

3. Familiar with molecular genetics and classical routes of strain improvement.

4. Project management skills.

5. Must be able to use excellent communication skills in a multidisciplinary team effort.

Salaries commensurate with experience. Excellent company benefits. Energy BioSystems is an equal opportunity employer. Please send resume along with a cover letter identifying which position you are applying for, to:

Manager, Human Resources
Energy BioSystems Corporation
4200 Research Forest Drive
The Woodlands, TX 77381

No Phone Calls/No Recruiters

National Institutes of Health
National Institute of Child Health and Human Development
Division of Intramural Research

Chief Developmental Endocrinology Branch

The National Institute of Child Health and Human Development is recruiting for the key position of Chief of the Developmental Endocrinology Branch, Division of Intramural Research. Applicants must have an M.D. or an equivalent degree and experience in research in the fields of clinical, cellular, and molecular endocrinology.

The Chief, Developmental Endocrinology Branch, will have the major responsibility for administering a program in clinical and basic research. Specifically, the incumbent 1) conducts research in the area of his/her choice (within the broad framework of endocrine research and 2) administers eight independent research groups focused on developmental endocrinology, medical and pediatric endocrinology, endocrine physiology, gynecologic research, reproductive biology, endocrine growth factors, and glycobiology.

Applicants must have an established record of excellence in the field of endocrine research and must specifically provide evidence of their capacity to meet the following criteria:

1) Ability to supervise and coordinate a large and highly specialized clinical and laboratory program for the investigation of human endocrine disorders;

2) Knowledge of advanced aspects of cellular and molecular endocrinology, as well as clinical research;

3) Ability to conduct a personal research program of high impact.

The base salary ranges up to $91,029, depending on qualifications. Applicants will also be eligible for a physician's allowance up to $20,000 as well as other bonuses and awards (with a current maximum of $148,400).

Please submit curriculum vitae and bibliography by June 30, 1994 to:

Dr. Kevin Catt
Search Committee Chair
National Institutes of Health
Building 49, Room 6A36
9000 Rockville Pike
Bethesda, MD 20892

Under the Affirmative Employment Program, minorities, women and persons with disabilities that meet the eligibility criteria are especially encouraged to apply.

NIH is an Equal Opportunity Employer
RESEARCH SPECIALIST
(Pollen Cryopreservation)

ICI Seeds is continuing to expand its breeding and biotechnology center located in Slater, Iowa. A vacancy has opened in the area of Applied Plant Physiology to join a team developing techniques to identify and manipulate agronomically important genes in maize. The successful candidate will be expected to assist in the development and eventual management of a long term storage system for maize pollen. Preference will be given to those applicants with a strong background in plant biology, botany, plant breeding, agronomy or plant physiology. The successful candidate will be expected to work both individually, and as part of a multidisciplinary research team.

Qualifications: BS/MS degree preferably in Biology, Plant Physiology, Agronomy or Plant Breeding.

Salary: This is a full-time salaried position with full company benefits. Compensation will be commensurate with experience and qualifications. Interested applicants should send a complete resume to: Dr. John A. Greaves, ICI Seeds, Research Department, 2369 330th Street, Slater, Iowa. E.O.E.

Scientist

Somatogen, a biopharmaceutical company currently engaged in clinical trials of a recombinant human hemoglobin, has an exciting opportunity available in our Process Sciences Group. This is a technically challenging, senior leadership position reporting to the Director of Process Sciences. Responsibilities will include management of E. coli strain development program to enhance expression of recombinant hemoglobin using state-of-the-art Genetic and Biochemical approaches. Requires a Ph.D. in Microbiology, Biochemistry, Genetics, Molecular Biology, Microbial Physiology or a related field plus a minimum of 5 years of relevant post-doctoral industrial experience, or academic experience beyond post-doctoral studies.

A competitive salary, relocation and benefits package complement this offer. Interested candidates should submit their resume to:

SOMATOGEN
Dept. 709
2545 Central Avenue
Boulder, CO 80301

Somatogen is an equal opportunity employer

New York University

DENTAL SCIENTIST
ORAL MEDICINE
& PATHOLOGY

New York University College of Dentistry is inviting applications for a full-time tenure track position in the Division of Basic Sciences. Applicants should possess a dental degree and a doctorate in basic science as well as postdoctoral research training using molecular techniques and advanced training in either oral medicine and/or oral pathology. The candidate chosen will be expected to develop an active, externally funded, dental research program as well as participate in the teaching of oral medicine and/or pathology.

Academic rank and salary will be commensurate with credentials and experience. Please send curriculum vitae and letter of interest to: Barry R. Rifkin, D.D.S., Ph.D., Head, Division of Basic Sciences, New York University College of Dentistry, 535 East 64th Street, 8th Floor, New York, NY 10065. NYU encourages applications from women and members of minority groups.

Faculty Position

Gene Transfer-Immunotherapy
University of Miami School of Medicine

The Department of Microbiology and Immunology and the Sylvester Comprehensive Cancer Center invite applications for two tenure track faculty positions, one Assistant Professor and/or Associate Professor level. Candidates are expected to develop a strong program in basic research in gene transfers, virology, apoptosis, gene regulation, gene therapy or related areas applicable to our cancer programs. We offer integration into a stimulating, research oriented faculty in immunology and microbiology and participation in an existing funded gene therapy program conducted together with the Division of Oncology under the umbrella of the Sylvester Comprehensive Cancer Center. All applicants who wish to be considered for the position at the level of Associate Professor should have an established, funded research program.

Interested applicants should send a current Curriculum Vitae, a statement describing research achievements and future research goals, and names and addresses of three references to:

Eckhard R. Podack, M.D., Ph.D.
Chairman
Search Committee
Department of Microbiology and Immunology
University of Miami School of Medicine
P.O. Box 016680 (R-138)
Miami, FL 33101

The University of Miami is an Equal Opportunity/
Affirmative Action Employer.
Postdoctoral Position
Stanford Biochemistry Department

The Department of Biochemistry is seeking a Postdoctoral Fellow to investigate the use of oligonucleotide arrays and sequencing by hybridization to increase the accuracy of conventional linear sequencing. The project will be carried out as a collaboration between Affymetrix and the Stanford DNA Sequencing and Technology Center. The primary work environment will be at Stanford University with Dr. Ronald W. Davis, although the project will also involve close interaction with the scientists and engineers at Affymetrix.

The Center consists of an interdisciplinary team of 25 scientists and engineers committed to improving efficiency of sequencing and sequence analysis. Presently the group is focusing on finishing the sequence of yeast chromosome V and initiating the sequence of chromosome IV.

Qualifications include: The ideal candidate will have a wide ranging interest in biochemistry and the development of technology, and experience in the biochemistry or physical chemistry of nucleic acids. Must work effectively as a team member and enjoy interaction with a diverse group of dedicated scientists and engineers. Must comply with government regulations and university policies and procedures regarding health and safety regulations. Send curriculum vitae and references to: Ronald W. Davis, Ph.D., Stanford Center for DNA Sequence and Technology, Department of Biochemistry, 855 California Avenue, Room 173, Palo Alto, CA 94304.

Science At Synergen

Synergen, Inc., a research based biopharmaceutical company focused on the discovery, development, and production of protein-based human pharmaceuticals for the treatment of serious human diseases, seeks the following professionals:

Postdoctoral Fellow - Pharmacology

You will develop new gene-therapy related methodologies, using whole animal systems, for the use of neurotrophic factors in the treatment of neurodegenerative diseases. Requirements include a Ph.D. in neuroscience, experience with rodent neurosurgical techniques, brain neurochemical analysis, including the catecholamines, and behavioral testing.

Scientist or Postdoctoral Fellow - Toxicology

You will investigate the actions of therapeutic cytokine inhibitors on innate and acquired immune function in lab animals and humans. Requirements include a Ph.D. in pharmacology, toxicology, and/or immunology, with experience in immune function assays in rodents, host resistance models, and cytokine biology. Experience with cell culture, drug development and neurobehavioral toxicology a plus.

Scientist - Biochemistry

You will develop, or participate in, a variety of projects that will further our drug development efforts. Requirements include a Ph.D. in Biochemistry, and 2-3 years postdoctoral experience in the isolation of native proteins, and in the purifications of recombinant proteins. Tissue culture experience is helpful.

Synergen offers a competitive compensation package, generous benefits, and an open, non-traditional workplace. Please send your resume to: Human Resources Dept., Box DM, Synergen, Inc., 1885 33rd Street, Boulder, CO 80301. We are an Equal Opportunity Employer.

ECOLOGIST
LANDSCAPE ECOLOGIST
WATERSHED MODELER

ManTech Environmental Technology, Inc. is recruiting three senior-level scientists, Ecologist, Landscape Ecologist, and Watershed Modeler, to join an interdisciplinary team which will provide technical and scientific support to the multi-agency Pacific Northwest Ecosystem Management Research Program. This Program will develop and demonstrate ecological risk assessment approaches and methods in watersheds and ecoregions of the Pacific Northwest to generate the information and tools needed for the management of long-term sustainable use of the region's natural resources.

Using a holistic landscape approach and considering complex ecosystem interactions, uses and stressors, the team will develop: watershed and ecoregion-scale models; methods to characterize regional aquatic biological and environmental diversity; a synoptic approach for assessing ecological conditions at watershed and ecoregion scales; landscape classification systems for watershed and ecoregion applications; decision support systems.

Minimum qualifications include: Ph.D. degree or equivalent experience in ecology, environmental statistics or closely aligned discipline; 2-5 years' applied ecological research experience at watershed, landscape and/or regional scales. The Ecologist position also requires 2 years' experience in project leadership.

Interested individuals should contact the Human Resources Department for a more detailed job description, qualification statement and application procedures. Initial review of applications will begin May 18, 1994 and the positions will remain open until June 10, 1994.

PRINCIPAL & VICE-CHANCELLOR

The Principal of UMIST, Professor H C A Hankins, FEng, will retire in August 1995. UMIST is seeking to appoint as his successor an individual of outstanding calibre who will provide strategic leadership in developing UMIST’s existing reputation and taking it forward into the next century.

UMIST is one of the UK’s major research-based universities specialising in engineering, science, technology, management and related disciplines. It has well developed links with industry and commerce both for research and continuing education and is a major provider of qualified graduates for industry and commerce at the Bachelor, Master and Doctoral levels. UMIST has a strong international reputation and a long-standing tradition of attracting high quality students from the UK and from a wide variety of overseas countries.

Men and women interested in being considered for the post or who wish to suggest names for consideration are invited to write in confidence, by no later than 27th May 1994, to Mr J B Heron, Chairman of Council, c/o the Secretary and Registrar, UMIST, PO Box 88, Manchester M60 1QD. Please quote reference VC/58/5.

Further information may be obtained from the Secretary and Registrar, Mr P C C Stephenson, telephone: 061 200 3990, fax: 061 200 4008.
Research & Development Engineer II
Stanford Biochemistry Department

We are seeking an engineer to develop instrumentation for the Stanford Sequencing and Technology Center within the Department of Biochemistry. This position involves developing methods and instruments for the automation of large-scale sequencing of DNA. The engineer will be involved in the design specifications of both the hardware and software of the instruments and will work closely with other members of an interdisciplinary group, including molecular biologists and other engineers. The candidate will be expected to take a lead and independent role in instrument specification, design, and implementation. Finally, the candidate will be expected to interact with outside members of the Human Genome Community by attending conference meetings.

Qualifications include: BS/MS in Electrical Engineering, Mechanical Engineering, Chemical Engineering, Applied Physics or related field. We are seeking an engineer with a broad range of interests and areas of expertise. Knowledge in mechanical design, motion control and robotics, and an understanding of fluidic systems is highly desirable. Proficiency in C and familiarity with the UNIX and Macintosh computer environment is highly desirable. Demonstration of completed projects involving the development of instrumentation is required. A good foundation in physics and chemical engineering is desirable. Experience in mechanical design, motion control and robotics, and an understanding of fluidic systems is highly desirable. Demonstrated ability to work independently and to take initiative is essential. Must comply with government regulations and university policies and procedures regarding health and safety procedures. Send curriculum vitae and references to: Ronald W. Davis, Ph.D., Stanford Center for DNA Sequence and Technology, Department of Biochemistry, 855 California Avenue, Room 173, Palo Alto, CA 94304.

Pharmacologist/Scientist

NeoRx Corporation develops targeted biopharmaceuticals that detect and treat human diseases with an initial focus on cancer.

We currently have an opening for an experienced scientist who will design, execute, and interpret in vivo experiments. The individual will perform animal experiments using AAALAS approved methods and techniques plus provide scientific insight into biological results based on an understanding of pharmacokinetics, chemistry, and experimental oncology.

The selected candidate will have:
- a university degree, preferably Ph.D., in a life science such as pharmacology, biology, or biochemistry;
- demonstrated ability to design, execute, and analyze in vivo pharmacology experiments using animal models; and
- at least two years experience working with radioactivity.

Special consideration will be given to those candidates with experience in oncology research, especially using monoclonal antibodies to target drugs to tumors.

For consideration, forward resume and a one page cover letter to:
Human Resources
NeoRx Corporation
410 West Harrison Street
Seattle, Washington 98119-4007

We are an equal opportunity employer.

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Research Position

NYU Medical Center, one of the nation's leading research institutions, has a postdoctoral position available in Protein Crystallography at the Skirball Institute of Biomolecular Medicine. You'll work in the laboratory of Dr. Rashmi Hegde studying proteins involved in the regulation of transcription and replication in papillomaviruses.

The preferred candidate will have a background in molecular biology and experience working with proteins and nucleic acids. Prior experience in protein crystallography is desired but not required.

We offer an excellent salary commensurate with experience. Send c.v. and the names of three references to William Kelley, Human Resources Dept., Area - SIBM, NYU Medical Center, 550 First Avenue, New York, NY 10016. CVs must be received by May 30th. EOE, M/F.
FACULTY POSITION IN RADIATION BIOLOGY
University of Florida
College of Medicine

The Department of Radiation Oncology in conjunction with the University of Florida Cancer Center is seeking highly qualified applicants for a tenure track position at the level of Assistant/Associate or Full Professor. Preference will be given to investigators specializing in radiation biology with experience in apoptosis or molecular repair mechanisms as well as a strong interest in developing interdisciplinary research projects. The successful candidate will assist in teaching a course in Radiation Biology and also supervise graduate research projects. As a member of the Radiation Oncology Department, the individual will attend clinical conferences and endeavor to link relevant research to new cancer therapies. The appointee will have excellent laboratory facilities, access to molecular biology core facilities, a competitive salary and an attractive start-up package. Candidates should have a Ph.D. or M.D./Ph.D. degree, at least three years of post-doctoral training and a record of accomplishments indicating potential for developing a strong, independent research program. The anticipated start date is 12-1-94. Applicants should provide a brief statement of research interests and plans, curriculum vitae, bibliography and three letters of recommendation by June 15, 1994 to:

Gail Zavelson, Administrator
Health Science Center
P.O. Box 100277
Gainesville, Florida 32610-0277

The University of Florida is an Equal Opportunity/Affirmative Action Employer and specifically encourages applications from qualified women and minorities.

RESEARCH OPPORTUNITIES IN ANALYTICAL BIOCHEMISTRY

The Analytical Biochemistry Group is seeking applicants for our ongoing program of crop improvement. Pioneer offers competitive salaries, excellent facilities and a highly cooperative research environment.

RESEARCH ASSOCIATE/PROTEIN ANALYSIS (JOB #1390-A-MEYER)—This position will join a laboratory that is responsible for analysis of transgene expression in transgenic plants. The successful candidate will be interacting with several research groups and will participate in the planning and implementation of experiments. EDUCATION/EXPERIENCE: MS degree in molecular biology, biochemistry, or related field (or BS degree plus 2 years of relevant experience) is required. Experience in protein biochemistry/analysis (including immunocassays) is desired and experience with analysis of transgenic plants and statistical analysis is preferable.

SENIOR RESEARCH ASSOCIATE, NUCLEIC ACID ANALYSIS (JOB #1386J)—Primary responsibilities of this position will be to work with other researchers to determine the appropriate nucleic acid analysis for transgenic plants from various projects. This person will conduct the needed techniques, supervise research associates involved in the same types of analysis, and communicate the results. Trouble-shooting and development/testing of new techniques is also important. EDUCATION/EXPERIENCE: MS degree or equivalent in molecular biology, biochemistry, or related field plus 2 years of relevant research experience are required. Applicants should have experience in nucleic acid analysis (Southern’s, PCR, RNA analysis), preferably in transgenic plants, along with experience with computers and statistical analysis. Strong communication skills are essential, and supervisory experience is preferred.

Applications received by May 25, 1994 will be assured of consideration. However, applications will be considered until the positions are filled.

Pioneer Hi-Bred International, Inc. is an Equal Opportunity employer. Please send TWO complete sets of resume/application information for each position for which you are applying. Indicate in your correspondence the JOB #, and the names, addresses and telephone numbers of three references to:

PIONEER HI-BRED INTERNATIONAL, INC.

Trait and Technology Development
Analytical Biochemistry
Attn: Dawn M. Meyer
JOB # (Please indicate)
7300 NW 82nd Ave., P.O. Box 1004
Johnston, IA 50131-1004

NORTHERN ARIZONA UNIVERSITY
DEPARTMENT OF BIOLOGICAL SCIENCES
DEPARTMENT CHAIR

The Department of Biological Sciences at Northern Arizona University is initiating a search for a Chair. Applications are invited and nominations are solicited for this position. Candidates are sought who have superior records of teaching, research and grant support, and have demonstrated leadership and administrative experience and ability. The successful candidate will be expected to maintain a research program and contribute to the teaching program of the department. Candidates must hold a doctoral degree and qualify for the academic rank of Full Professor with tenure. Research specialty is open and should be complementary with the goals of the department. Salary, rank, and support will be competitive.

Northern Arizona University has approximately 18,500 students. The department consists of 38 faculty members with a strong commitment to excellence in education and scholarship. Undergraduate programs include biology, botany, microbiology, and zoology. Graduate offerings include the M.S., M.A.T., and Ph.D. in biology. Review of applications will begin 1 Oct. 1994 and will continue until the position is filled. Starting date is negotiable.

Applications should include current resume, concise statement of professional goals and philosophy, and names, addresses and phone numbers of three referees. Send to:

BIOLOGY CHAIR SEARCH
Office of the Dean
College of Arts and Sciences
Box 5821
Northern Arizona University
Flagstaff AZ 86011

Northern Arizona University is an Equal Opportunity/Affirmative Action Employer.

EXECUTIVE OFFICER
Institute of Medicine

The Institute of Medicine (IOM) is a national institution which addresses matters affecting the advancement of health science and education and the improvement of health care, in conjunction with the National Academy of Sciences (NAS) and the National Research Council (NRC). The IOM is a major resource of expertise and analysis of issues and problems in these areas. It has a staff of approximately 150, including 75 professionals supporting the work of its volunteer committees and national membership of approximately 1,000.

The Executive Officer implements the policies of IOM’s elected officials and the NRC through management of all IOM operations, including scientific, financial, administrative, and membership matters. Through coordination and supervision of Division Directors, the Executive Officer manages IOM’s human resources, identifies emerging problems and opportunities for policy analyses, responds to public and private requests for studies, enforces IOM and NRC policies, and ensures compliance with contracts.

Applicants should have a M.D./Ph.D. or equivalent, preferably in a medical or health science field, and at least 10 years of highly substantive related experience, or M.A./M.S./M.B.A./M.P.A. or equivalent and approximately 15 years of experience. Qualifications also include recognized expertise in relevant areas of health care or medicine, demonstrated effectiveness in management of major programs of research or policy analyses, and demonstrated oral and written communication ability with staff and a broad constituency of research, government, academic, and committee members.

Applicants are invited to submit a CV/resume in confidence to: Director of Personnel and Appointments, GR 146 - EO (S), National Research Council - Institute of Medicine, 2101 Constitution Avenue, NW, Washington, DC 20418. EOE. Resumes should be received by June 15, 1994.
POSTDOCTORAL POSITIONS in molecular-cellular biology and drug discovery available immediately. Challenging working environment and competitive salaries. Send curriculum vitae and three references to: James W. Larrick, M.D., Ph.D., Palo Alto Institute of Molecular Medicine, 2462 Wyndotte Street, Mountain View, CA 94043. FAX: 415-851-3959.

KEELE UNIVERSITY Department of Communication and Neuroscience POSTDOCTORAL RESEARCH FELLOW Vacancies (4/94) Neurophysiologist, ideally with postdoctoral experience of mammalian visual physiology and application of computer technology, for SERC-funded investigations of spatial characteristics of visual cortical suppression under the direction of Dr. P. Hammod. Duration: three years commencing 1 July 1994 or after. Salary up to £15,186, according to age, qualifications and experience, together with National Insurance and USS benefits. Please write for application forms and further particulars to the Personnel Department, Keele University, Keele, Staffordshire, ST5 5BG, England, or FAX your request (0782) 858471. Closing date of applications: 18 May 1994.

AN EQUAL OPPORTUNITIES EMPLOYER.

POSTDOCTORAL FELLOWSHIP Position available for an M.D. or Ph.D. to study the pathogenesis of virus-induced demyelination as a model of multiple sclerosis. Research projects involve investigations of the pathogenesis of Theiler's virus infection and the role of Class I and Class II-MHC-restricted immune responses. Related studies utilize the generation of transgenic mice. Send curriculum vitae to: Moses Rodrigues, M.D., Department of Immunology, Mayo Clinic, Guggenheim 4th Floor, Rochester, MN 55905. Mayo Foundation is an Affirmative Action and Equal Opportunity Educator and Employer.

POSTDOCTORAL FELLOWSHIP at Mayo Clinic. Seeking applicants for two-year ComACC-approved fellowship directed toward qualified individuals (Ph.D. or M.D. required) pursuing career in clinical or basic research. Individuals completing the program are eligible for certification by the American Board of Clinical Chemistry. Applications on file by October 31, 1994, will be considered for appointment beginning in July 1995. Contact: Mary F. Burritt, Ph.D., Division of Clinical Biochemistry, Mayo Clinic, Rochester, MN 55905, for more information. Mayo Foundation is an Affirmative Action and Equal Opportunity Educator and Employer.

POSTDOCTORAL FELLOWSHIP in MOLECULAR ECOLOGY OF THE HUMAN GUT A 2-year fellowship position in the Division of Infectious Diseases at Duke University is available starting summer 1994. The Research Institute uses molecular methods to identify unculturable pathogens and to study the composition of human colonic flora. Send resume to: Dr. Ken Wiley, Research Institute, Medical Center, 508 Fulton Street, Durham, NC 27705. E-mail: wilson003@dukeme.duke.edu. FAX: (919) 286-6895.

RESEARCH FELLOW with a Ph.D. and/or M.D. with specialization in systems and organ cardiovascular physiology, trained in animal surgery and data acquisition systems an asset. The person will be involved in research projects for the Department of Thoracic and Cardiovascular Surgery and will be required to develop an independent research program. Position to begin July 1, 1994. Send letter of application, curriculum vitae, three references and two letters of recommendation to: Lynn B. McGrath, M.D., Chairman, Department of Thoracic and Cardiovascular Surgery, Medical Center, 508 Fulton Street, Durham, NC 27705. E-mail: wilson003@dukeme.duke.edu. FAX: (919) 286-6895.

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIP Position available for an M.D. or Ph.D. to study promotion of remyelination in the central nervous system. Research projects involve investigations of the immunopathogenesis of virus-induced demyelination as a model of multiple sclerosis. The candidate will participate in the characterization of monoclonal antibodies that promote remyelination. A good background in glial biology, immunology, or neurobiology is essential. Send curriculum vitae to: Moses Rodrigues, M.D., Department of Immunology, Mayo Clinic, Guggenheim 4th Floor, Rochester, MN 55905. Mayo Foundation is an Affirmative Action and Equal Opportunity Educator and Employer.

RESEARCH FELLOW with a Ph.D. and/or M.D., or equivalent degree in the field of medical biology with background and training in morphology. Experience with immunocytochemistry, in situ hybridization, electron microscopy, and molecular biology is preferred. The selected candidate will join an active morphological research team conducting research on the cardiovascular system. Strong communication skills are essential. Position will commence in mid-June. Please send curriculum vitae, cover letter indicating research interests, three current publications, names and addresses and telephone numbers of three references: C. David Iannuzo, Ph.D., Director, Deborah Research Institute, Trenton/Fin Mill Roads, Browns Mills, NJ 08015-1799. An Equal Opportunity Employer.

RESEARCH FELLOW IN TANDEM MASS SPECTROMETRY CLINICAL PHARMACOLOGY REQUIRED A postdoctoral fellow is required to participate in a number of clinical pharmacology and drug metabolism projects utilizing state-of-the-art mass spectrometry, and on-line HPLC-MS and capillary electrophoresis-MS, and tandem mass spectrometry. The candidate should have a strong background in tandem mass spectrometry, an Ion Trap-MS, and a matrix-assisted LD-TOF instrument. Qualifications necessary include either a Ph.D. or M.D.; experience in analytical techniques such as HPLC, CE, and MS would be of benefit. Must be a U.S. citizen or permanent resident to apply. Please contact: Dr. Stephen Naylor, Biomedical Mass Spectrometry Facility, Guggenheim, CL, C009B, Mayo Clinic, Rochester, MN 55905, USA. Mayo Foundation is an Affirmative Action and Equal Opportunity Educator and Employer.

POSTDOCTORAL ASSOCIATE MCLAUGHLIN RESEARCH INSTITUTE Position for molecular geneticist to study mouse models for neurodegenerative diseases. Potential topics, depending on interest and experience, include genetic mapping and analysis of neurologic mutations, and transgenic modeling. The Institute is housed in a spacious new building that includes a large mouse colony and trangenic facility. Send curriculum vitae with names and addresses of three references to: George A. Carlson, Ph.D., Mclaughlin Research Institute, 1520 23rd Street South, Great Falls, MT 59405. An Equal Opportunity/ Affirmative Action Employer.

POSTDOCTORAL ASSOCIATE, DEPARTMENT OF BIOCHEMISTRY, UNIVERSITY OF WASHINGTON Position available for postdoctoral fellow with emphasis on plant propagation via tissue culture techniques. Lab experience essential with exposure to the development of somatic embryogenesis methods. Strong written and oral communication skills. Demonstrate ability to plan experiments following good techniques and laboratory work habits. Computer literacy and ability to work accurately with research data. Strong safety ethic. Experience using immunochemical stains to evaluate protocol or developmental aspects of somatic embryogenesis experiments. Enjoy planning and analyzing experiments with SAS software.

Please send cover letter and resume to: May 31 1994, to: Research Associate, Company, 94385, CH 1126, Tacoma, WA 98477. Equal Opportunity Employer/ld.

POSTDOCTORAL/RESEARCH ASSOCIATE A postdoctoral fellowship is available immediately for a molecular/cell biologist with recent Ph.D./M.D. degree to work as part of an interdisciplinary team investigating the molecular mechanism(s) of human cancer, (prostate in particular). Applicant should have experience in molecular cloning techniques, PCR, gene expression, and DNA-protein interaction study. Send letter of interest and curriculum vitae will be expected. Fazul Sarkar, Department of Pathology, Wayne State University, 9374 Scott Hall, Detroit, MI 48201. Equal Opportunity Employer/Affirmative Action.

RESEARCH ASSOCIATE POSITIONS IN SIGNAL TRANSDUCTION Research Associate positions are available now to study kinase cascades in growth factor signaling. Experience and interest in protein kinases, protein phosphatases, Ras, lipids, and/or signal transduction preferred for one position; background in signaling and molecular biology for the other. Initial application by FAX with statement of interest, 3 references, and curriculum vitae to: 804/ 982-3830. Tom Sturgill, M.D.-Ph.D., Markey Center for Signal Transduction, Box 419, University of Virginia Health Sciences Center, Charlottesville, VA 22908. An Equal Opportunity Employer.

The Department of Neurology at the University of Rochester is recruiting a tenure-track SCIENTIST with major interest in molecular medicine/gene therapy. M.D., Ph.D., or M.S. degree preferred. Individuals may apply. The University of Rochester is an Equal Opportunity Employer. Inquiries to: Leon G. Epstein, M.D., Division of Child Neurology, University of Rochester Medical Center, 610 Elmwood Avenue, Box 631, Rochester, NY 14642.

CENTRIFUGATION SCIENTIST Beckman Instruments, Inc., the world’s leading producer of centrifuges, is seeking a research scientist to help develop new instrumentation based upon centrifugation. Identify the optical and physical properties of centrifugal fields for separating or manipulating macromolecules and cells, perform exploratory research to validate these concepts and support the marketing effort with applications expertise. A Ph.D. 3 to 5 years of experience in molecular or cell biological techniques, excellent interpersonal skills, and the ability to establish external collaborations in addition to performing in-house research required. For consideration, please send or FAX your resume to: Staffing, Beckman Instruments, Inc., 1060 Page Mill Road, Palo Alto, CA 94304-1526. Equal Opportunity Employer. Principals only, please.

SCIENTIST—Research hematologist. To work on a challenging sample preparation project. Small, fast-moving company, planning to expand a project in automated cytochemistry. Looking for a highly trained and well-qualified scientist with at least five years of postdoctoral experience in two or more of the following fields: Microscopic Hematology, FISH, DNA/Protein staining, Cytochemistry, Cytoenzymology. A very focused project will lead to future opportunities for more independent product innovation. We offer competitive salaries and benefits. Send letter of interest and resume to: Ruth White, Applied Imaging Corporation, 2380 Walsh Avenue, Building B, Santa Clara, CA 95051.

WEYERHAUESSER COMPANY DEVELOPMENTAL BIOLOGIST Weyerhaeuser Strategic Biological Sciences is looking for a Developmental Biologist.

Requirements: Ph.D. in developmental: biology, botany, biochemistry, or molecular biology, with emphasis on plant propagation via tissue culture techniques. Lab experience essential with exposure to the development of somatic embryogenesis methods. Strong written and oral communication skills. Demonstrate ability to plan experiments following good technique and laboratory work habits. Computer literacy and ability to work accurately with research data. Strong safety ethic. Experience using immunochemical stains to evaluate protocol or developmental aspects of somatic embryogenesis experiments. Enjoy planning and analyzing experiments with SAS software.


SCIENCE • VOL. 264 • 6 MAY 1994
FACULTY POSITION  
DEPARTMENT OF PHARMACOLOGY  
AND TOXICOLOGY  
UNIVERSITY OF UTAH

Applications are invited for a tenure-track position in the Department of Pharmacology and Toxicology at the Assistant Professor level. Applicants must have a doctoral degree, significant postdoctoral research experience, and demonstrated ability to be productive in an academic setting; salary will be commensurate with experience. Current areas of strength in the department include neuropharmacology, neurotoxicology, human and biochemical toxicology, drug metabolism, cardiovascular pharmacology, molecular pharmacology and molecular biology. We are seeking a candidate who either has expertise in one of these fields or can augment the department's areas of expertise. Successful applicants will be expected to develop a strong, independent research program with external funding as well as participate in teaching at both graduate and professional levels. The department particularly encourages applications from women and minorities for this position.

Candidates should submit a letter of application, a brief statement of research objectives, curriculum vitae, and at least three letters of recommendation. Please submit responses to Douglas E. Rollins, M.D., Ph.D., Search Committee Chair, Department of Pharmacology and Toxicology, 112 Skaggs Hall, University of Utah, Salt Lake City, UT 84112. (801) 581-5117. Applications should be submitted by July 1, 1994, but later applications may be considered if no suitable candidates have been identified by the deadline. The University of Utah is an Equal Opportunity/Affirmative Action Employer.

DEAN & DIRECTOR  
COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES  
THE UNIVERSITY OF GEORGIA

The University of Georgia seeks the application or nomination of persons qualified to provide leadership as Dean and Director to further enhance the national prominence of the College of Agricultural and Environmental Sciences. The College offers the full range of academic degrees in agricultural and environmental sciences at the undergraduate and graduate levels and provides state, regional, national and international research and extension programs in agriculture. The Dean and Director is responsible for (a) the leadership of these programs; (b) cooperative relations with other schools and colleges in the University; other educational institutions, public and commercial agricultural organizations and enterprises, and public officials; and (c) all budget authority of the College.

Qualifications: The Dean and Director should have an earned doctorate and at least one degree from an accredited school or college of agriculture; significant accomplishments in teaching, research, or extension; demonstrated leadership ability; and successful experience with the public and commercial sectors associated with agriculture, and administration of agriculturally related activities.

Salary: Commensurate with background and experience.

All applications or nominations received by June 15, 1994, are assured of full consideration.

Deadline for application or nominations to be received: June 15, 1994.

Send letter of application, including curriculum vita and names and addresses of five references, or letters of nomination including names and complete addresses of nominees to: Dr. Arnett C. Mace, Jr., Chair, Search Committee; c/o Office of the Dean; Daniel R. Warnell School of Forest Resources; The University of Georgia; Athens, Georgia 30602-1213; Phone: 706-542-4741; FAX: 706-542-8386. The University of Georgia is an Equal Opportunity/Affirmative Action Institution.

STAFF SCIENTISTS  
CELL BIOLOGY

Stratogene is expanding its program in the area of cell biology. Candidates should have a Ph.D. and a significant publication record in one of the following fields: signal transduction, cell cycle, programmed cell death, or cellular differentiation.

Stratogene has over 200 employees and is located in a very attractive part of La Jolla, California. The company is known for its innovative, high quality products for cutting edge research. An excellent salary, bonus, and benefits package is being offered. Candidates interested in joining a highly successful, progressive company with room to grow should submit resumes to:

Stratogene  
Atn: Professional Staffing-SSC  
11099 N. Torrey Pines Road  
La Jolla, CA 92037

BIOLOGIST  
University of Evansville

The University of Evansville invites applicants for a tenure-track faculty position as an Assistant Professor to begin August, 1994. Applicants should have a strong commitment to teaching and the independent university tradition. We seek a biologist well-acquainted with modern biology to teach introductory biology and zoology for majors, a non-majors biology course, evolution and an upper level course in the candidate's specialty, and develop an active undergraduate research program. In addition, the candidate will serve as a biology student advisor and engage in professional development and University service. A Ph.D. is required and teaching experience is expected. Pay will be commensurate with education and experience.

Applicants should send curriculum vitae, official transcripts, a statement describing their commitment to undergraduate teaching, and three letters of reference to: Karen Ott, Chair, Department of Biology, University of Evansville, Evansville, IN 47722. Applications must be received by May 31, 1994.

The University of Evansville is an independent, church-related, selective admissions university located in a city of 135,000 in southwestern Indiana. It offers a comprehensive program of instruction including liberal arts, science, engineering, business, nursing and education. Enrollment numbers 2,400 full-time students. The University also includes a major campus in England, Harlaxton College.

The University of Evansville operates under a non-discriminatory policy with regard to race, color, age, religion, handicap and national origin.

Postdoctoral Position  
Stanford Biochemistry Department

The Department of Biochemistry is seeking a Postdoctoral Fellow to investigate the use of oligonucleotide arrays and sequencing by hybridization to increase the accuracy of conventional linear sequencing. The project will be carried out as a collaboration between Affymetrix and the Stanford DNA Sequencing and Technology Center. The primary work environment will be at Stanford University with Dr. Ronald W. Davis, although the project will also involve close interaction with the scientists and engineers at Affymetrix.

The Center consists of an interdisciplinary team of 25 scientists and engineers committed to improving efficiency of sequencing and sequence analysis. Presently the group is focusing on finishing the sequence of yeast chromosome V and initiating the sequence of chromosome IV.

Qualifications include: The ideal candidate will have a wide ranging interest in biochemistry and the development of technology, and experience in the biochemistry or physical chemistry of nucleic acids. Must work effectively as a team member and enjoy interaction with a diverse group of dedicated scientists and engineers. Must comply with government regulations and university policies and procedures regarding health and safety procedures. Send curriculum vitae and references to: Ronald W. Davis, Ph.D., Stanford Center for DNA Sequence and Technology, Department of Biochemistry, 855 California Avenue, Room 173, Palo Alto, CA 94304.
POSITIONS OPEN

BIOLOGY LABORATORIAN  New 12-month, staff position. Salary low 30's. Oversee teaching labs, coordinate with faculty, help design lab exercises, supervise TA's, stockroom, purchasing; serve as safety officer, etc. Teach 4 quarter-courses per year and lab sections as appropriate and needed. Doctorate and teaching experience preferred. Send letter, curriculum vitae, 3 references, to: Dr. S. L. Beck; Department of Biological Sciences; DePaul University; 1036 West Belden; Chicago, IL 60614. Equal Opportunity/Affirmative Action Employer.

ANNOUNCEMENTS

PRE-PROPOSALS—Deadline: 1 August 1994. International Foundation for Ethical Research (IFER) has grants available for research into alternatives to the use of live animals in research, testing and teaching. Projects must take into account the three R's: Reduction, Restriction, and Replacement plus a fourth R: Responsibility. For information and format write: IFER, 83 West Jackson Boulevard, Chicago, IL 60604, or call: 312-427-6025.

COURSES AND TRAINING

APPLIED MOLECULAR BIOLOGY

The University of Maryland Baltimore County is accepting applications for its unique 2-year M.S. Program in Applied Molecular Biology. Through 3 hands-on intensive laboratory courses, research internships off and on campus, and 6 companion lecture courses, this comprehensive program prepares students for research positions in industry or academia. Information and applications: Department of Biological Sciences, University of Maryland; Baltimore, MD 21228-5398. Telephone: (410) 455-3669.

WORKSHOP ON MOLECULAR EVOLUTION

August 7-19, 1994, plus extended special topics session August 21-28

A series of lectures and discussions exploring multiple approaches to molecular evolution, with a computer laboratory for phylogenetic and sequence analysis. Current topics in molecular evolution including the theoretical basis for comparative sequence analysis and phylogenetic tree construction will be addressed. Enrollment limited to 60 students.

DIRECTOR: Mitchell Sogin, Marine Biological Laboratory.

FACULTY: Dan Davison, University of Houston; Joseph Felsenstein, University of Washington; Walter Fitch, University of California, Irvine; George Fox, University of Houston; Robin Gutell, University of Colorado; David Hills, University of Colorado; Rick Hudson, University of California, Irvine; Laura Landweber, Harvard University; David Maddison, University of Arizona; Saira Milan, University of California, Santa Cruz; Roger Milkman, University of Iowa; Stephen O'Brien, National Cancer Institute; Gary Olsen, University of Illinois; Norman Pace, Indiana University; Peg Riley, Yale University; Monica Riley, Marine Biological Laboratory; Terry Speed, University of California, Berkeley; David Swoford, Smithsonian Institution; Bruce Walsh, University of Arizona. TUTION: $675 (including meals and board). APPLICATION DEADLINE: June 1, 1994. For information and application forms contact: Admissions Coordinator, Marine Biological Laboratory, Woods Hole, MA 02543; Telephone: (508) 548-3705; Internet: admissions@mbi.edu.

MEETINGS

PROTEIN STABILITY CONFERENCE

Presented by the University of Colorado School of Pharmacy on July 17-20, 1994, in Breckenridge, Colorado. Plenary lectures and posters will be given on theory, applications and analysis of protein/peptide structural and chemical stability. Contact: John Carpenter or Mark Manning; Telephone: 303-270-5055, FAX: 303-270-6281, E-Mail: Carpenter.J1@Apothecary.hsc.colorado.edu.

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