Tuesday, 10

**ASSISTANT PROFESSOR (TENURE-TRACK)**

**MICROBIOLOGY AND IMMUNOLOGY**

Medical College of Ohio

We invite applications for a tenure-track, full-time FACULTY POSITION. Applicants should have a doctoral degree, postdoctoral experience, and a record of research productivity. The successful candidate is expected to establish a strong research program in the areas of immunology and microbiology. We are particularly interested in, but not limited to, a research program that characterizes molecular targets for antimicrobial (mycobacterial, bacterial, parasitic, viral) agents. Competitive salary, start-up funds, and externally funded research will be provided. Applicants should send a statement of research goals with a representative reprint, a curriculum vitae, and three letters of recommendation to: Gary T. Cole, Ph.D., Chairman, Department of Microbiology and Immunology, Medical College of Ohio, Toledo, OH 43699-0008. Deadline is December 31, 1996. Visit our home page at http://www.mco.edu/80/micro/index.html. A affirmative Action/Equal Employment Opportunity Employer.

The Department of Biological Sciences at Benedictine University is seeking a broadly trained environmental biologist/ecologist with a strong commitment to undergraduate and graduate education in a tenure-track position as assistant professor in the Environmental Biology Program beginning fall semester 1997. Applicants must have Ph.D., strong research record, and commitment to quality teaching, and will be expected to play a pivotal role in a department that encourages dialogue between biological and cultural anthropology. Send curriculum vitae, description of research and teaching interests, letter of recommendation, and three letters of recommendation, and all transcripts to: Dr. Al Martin, Department of Biological Sciences, Benedictine University, 5700 College Road, Lisle, IL 60532. Email: amartin@benu.edu. Completed applications will be evaluated as received until the position is filled. Women and minorities are especially encouraged to apply.

**ASSISTANT PROFESSOR**

**BIOLOGICAL ANTHROPOLOGY**

Emory University, Atlanta, Georgia

Department of Anthropology

Emory University announces an ASSISTANT PROFESSOR, biological anthropology, tenure-track position beginning fall 1997. Applicants must have Ph.D., strong research record, and commitment to quality teaching, and will be expected to play a pivotal role in a department that encourages dialogue between biological and cultural anthropology. Send curriculum vitae, description of research and teaching interests, and names of three referees to: Dr. George Armelagos, Emory University, Department of Anthropology, 1554 Clifton Road, Atlanta, GA 30322. Applications reviewed beginning November 1, 1996. Emory University is an Equal Opportunity/Affirmative Action Employer.

**ASSISTANT PROFESSOR**

**BIOLOGY/FACULTY POSITION**

Penn State Erie, Behrend College.

Tenure-track assistant professor position in organizational biology for fall 1997. Applicants must have a strong commitment to undergraduate education, including teaching animal development, vertebrate anatomy, and introductory biology courses, with research interests in an area of developmental biology. The successful candidate is expected to develop an externally funded research program involving undergraduates. Ph.D. required; postdoctoral and teaching experience desirable. Behrend is a four-year and graduate college offering the B.S. in biology with the Penn State system. Application deadline is January 10, 1997. Send resume, transcripts, and brief descriptions of teaching and research interests, and arrange that three letters of reference be sent to: Dr. Roger Knacke, Division of Science, Department BIOL-S, The Pennsylvania State University at Erie, Erie, PA 16563-0203, An Affirmative Action/Equal Opportunity Employer.

**HUMAN ANATOMY AND PHYSIOLOGY ASSISTANT PROFESSOR**

**TENURE-TRACK POSITION**

Southern Oregon State College (SOSC), Ashland, OR.

For position description, requirements, salary, and other particulars, contact http://www.sosc.osu.edu/biology/jobs.htm or write: HAP Department of Biology, Southern Oregon College (SOSC), Ashland, OR 97520. Telephone: 541-552-6341. SOSC is an Affirmative Action/Equal Opportunity Employer committed to developing of an inclusive multicultural community.

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For rate and deadline information on display classified advertisements, Email: science_displayads@aaas.org

**BETHANY RITCHTE**

Recruitment Display Advertising
Phone: (202) 326-6541
FAX: (202) 289-6742
Email: science_displayads@aaas.org

**JANICE CROWLEY**

Recruitment Advertising Manager
Phone: (212) 496-7704
FAX: (202) 289-6742

Debbie Cummings
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Submit double-spaced typewritten copy. Do not include any abbreviations. SCIENCE will edit and typeset the classified according to SCIENCE guidelines. Include billing information and desired publication date. Available categories: Positions Available, Openings, Announcement, Courses or Training, Services. SCIENCE cannot provide proofs of typeset line ads. Line advertisements are not commissible.

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For line advertising deadlines, call Eric Banks. Telephone: (202) 326-6555; (202) 289-6742. Email: science_classifieds@aaas.org

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SCIENCE Global Career Network: Unless otherwise instructed, every classified advertisement submitted for publication in SCIENCE is automatically posted on SCIENCE's on-line classified advertising service, SCIENCE Global Career Network, at no additional charge. SCIENCE Global Career Network address: http://www.sciencemag.org

Mall, FAX or Email materials to: SCIENCE Classified Advertising
1200 New York Avenue, N.W., Room 911
Washington, DC 20005
FAX: 202-289-6742
Email: science_classifieds@aaas.org (please include your telephone number in Email)

SCIENCE reserves the right, at its discretion, to edit or decline to publish advertisements submitted to it.
SIGNAL TRANSDUCTION POSITION

DNAX Research Institute, located near Stanford University, has an opening for a Staff Scientist in the Department of Cellular Signaling. Candidates should hold either a Ph.D. and/or M.D. degree and have completed postdoctoral training and, preferably, a period as an independent investigator.

The Institute conducts research in a variety of areas of molecular and cellular biology with an emphasis on immunology hemopoiesis and oncology. We invite applicants whose research interests could take advantage of these DNAX-established strengths. We are particularly interested in individuals with expertise in the following areas: Apoptosis, Protein Phosphatases, Cytokine-regulated signaling or Lipid signaling. Applicants with closely related interests may apply.

The Department of Cellular Signaling presently comprises five research groups with a focus on signaling by membrane and cytoplasmic protein kinases, regulation of the cell cycle by cyclin-dependent kinases and regulation of cytokine gene expression. We are looking for a creative individual who can contribute innovative science to this productive research program and who would enjoy strong interactions with colleagues in other DNAX departments, namely Immunology, Human Immunology and Molecular Biology.

The successful candidate will be expected to establish an independent research program in their area of interest and will have the opportunity to conduct basic research in the absence of teaching and grant writing responsibilities. DNAX scientists work in an academically-styled environment complimented by a strong and international postdoctoral program.

Qualified applicants should send a curriculum vitae, the names of three references and a one-page statement of research interest to: Human Resources Department, DNAX Research Institute, 901 California Avenue, Palo Alto, CA 94304-1104. DNAX is an equal opportunity employer, m/f/d/v.

ALANEX Corporation, a rapidly growing San Diego-based drug discovery company, currently has several openings for talented professionals to join our dynamic team:

MOLECULAR BIOLOGIST
As a team-oriented molecular biologist with some supervisory experience, you will be responsible for establishing a new laboratory. We will rely on you to work closely with pharmacologists and medicinal chemists to find new ways to accelerate the drug discovery process. Responsibilities include the cloning and expression of targets for new and existing projects and the development of new assay systems to determine the activity of novel compounds, particularly via high-throughput screening. You must possess a PhD in Molecular Biology and 2-5 years of post-doctoral training. Experience in cloning receptors, especially G-protein coupled receptors, is required. Some industry experience is preferred.

BIOCHEMIST
We are also seeking a Biochemist to augment our dedicated team. The ideal candidate will be a PhD Biochemist with 1-3 years of relevant experience. You must possess a background in one or more of the following: enzymology/kinetics, signal transduction, protein purification, or assay development.

We offer competitive salaries and an excellent benefits package. If you are interested in discovering challenging opportunities, please send your resume to: ALANEX Corporation, Human Resources, Dept. SCI.10.11, 3550 General Atomics Ct., San Diego, CA 92121-1194, or email us at h.resources@alanex.com. We are proud to be an equal opportunity employer.

EMORY UNIVERSITY
Dean of Emory College and Vice President for Arts and Sciences
Emory University seeks an outstanding scholar and educator to serve as Dean of Emory College and Vice President for Arts and Sciences. The Dean is responsible for the academic and administrative leadership of the College and reports to the Provost; additionally, as Vice President for Arts and Sciences, the Dean is a member of the President’s staff, serving as an advocate for the Arts and Sciences within the University and in the wider community.

Emory is committed to continuing its growth as a major research institute with a leading undergraduate college. We seek a candidate with a record of demonstrated achievement in envisioning and realizing innovative educational programs at the highest level of excellence. The successful candidate will be both an accomplished scholar and someone with a clear grasp of the range of problems and opportunities in higher education generally. Ability to manage an academic organization and to work constructively and effectively with colleagues is also essential.

Emory College currently enrolls approximately 4,700 undergraduates, with a faculty of 571 teaching in 25 departments and in the Graduate School of Arts and Sciences. We are actively committed to enhancing our academic stature and are in an excellent position to achieve ambitious goals.

Inquiries, nominations, and applications should be submitted to:
Robert A. Paul, Charles Howard Candler Professor
Chair, Dean of Emory College Search Committee
404-727-4225
c/o Office of the Provost
Emory University
Atlanta, Georgia 30322

To assist us with this search, the Emory College Dean Search Committee has engaged the services of a consultant, Paula Carabelli, of the firm Witt/Kieffer, Ford, Hedeman & Lloyd, 714-851-5070 (phone), 714-851-2412 (fax), to whom inquiries may also be directed.

Applications should include a current curriculum vitae; the names, positions, and phone numbers of five references who will be contacted only with candidate’s approval; and a two-page letter suggesting ideas about opportunities and new directions in liberal arts education and scholarship over the next decade, and describing the candidate’s relevant experience. Screening will begin immediately and continue until an appointment is made, preferably in the early Spring of 1997. All communications will be treated confidentially.
POSTDOCTORAL FELLOWS

THE R.W. JOHNSON
PHARMACEUTICAL RESEARCH INSTITUTE
a Johnson & Johnson company

The R.W. Johnson Pharmaceutical Research Institute (PRI) is an organization within Johnson & Johnson dedicated to discovering and developing new therapeutics. The research program at the PRI Lajolla site is focused primarily on immunology and neurobiology with a heavy emphasis on differential gene expression and bioinformatics. We are currently seeking highly-motivated, first-rate biological scientists to join the postdoctoral program.

This basic research program was designed by the vice president of research, Dr. Per A. Peterson, to complement the ongoing drug target discovery efforts. Postdoctoral scientists are expected to pursue fundamental scientific questions, carry out high quality research and publish their findings in top-rated scientific journals. We offer excellent research facilities, including outstanding biocomputing power with access to private gene databases as well as excellent services for DNA and peptide sequencing and synthesis. The local environment includes many other biotechnology companies making this location truly outstanding for the pursuit of science (not to mention the wonderful weather). Fellowships are available in the following areas:

MOLECULAR IMMUNOLOGY
M.R. Jackson, L. Karlsson, A. Brunmark and Y. Yang
Cell biology and biochemistry of antigen processing and presentation by MHC class I and class II molecules.

IMMUNE ESCAPE BY PATHOGENS
K. Frueh
Molecular and cell biological aspects of viral and bacterial immune evasion mechanisms.

MOLECULAR NEUROBIOLOGY
T. Lovenberg and M. G. Erlander
Pharmacological and physiological studies of novel CNS molecules with particular emphasis on the use of differential gene expression technology.

T-CELL ACTIVATION AND DIFFERENTIATION
Z. Cai and W.P. Fung-Leung
Identification and characterization of the molecular requirements for T-cell activation and differentiation and dissection of the downstream signaling events. Generation of transgenic and knockout mice to study immune function.

BIOINFORMATICS
M. Noordewier, J. Wan
Computational analysis of differential gene expression. Development and implementation of query language and software tools for database mining and sequencing analysis.

MEDICAL INFORMATICS
T. Haverty
Evaluation of databases for medical applications of novel genes. MD required.

Further details of the research programs by these investigators are available at http://go-explore.com/prilajolla.

Postdoctoral fellowships are available for a period of two years based on acceptable performance. Starting salary is $36,500 with benefits and relocation available. If you are interested in applying for a fellowship please indicate area of interest, brief summary of current research and CV to: Human Resources, Attn: L. Krenwinkel, 3535 General Atomics Court, Suite 100, San Diego, CA 92121. Equal opportunity employer.

Johnson & Johnson
AlphaGene is a rapidly growing biotechnology company founded by scientists from Harvard Medical School. The Company is developing high quality innovative gene libraries, ultra high-speed DNA sequencing, high-throughput functional screening systems, and advanced bioinformatics and computational biology tools.

AlphaGene is recruiting results-oriented molecular biologists for the following positions:

**Scientists/Senior Scientists**

Candidates must possess a Ph.D. degree in molecular biology with extensive (3-5 years) experience in cloning, DNA sequencing, and expression of heterologous genes in prokaryotic and eukaryotic cells. Experience in the synthesis of synthetic PCR, site-directed mutagenesis, and genetics is highly desirable. Scientific creativity, commitment to organizational goals, communication skills, ability to work as a member of a team, and achievement focus are musts.

This opportunity provides an environment of excellence for both personal and professional growth. AlphaGene offers a competitive salary and benefits package. We are local in the greater Boston area, amidst strong academic institutions and a growing community of biotechnology companies. Qualified candidates are requested to submit, in confidence, a cover letter, their curriculum vitae, and two references.

**Director of Immunology**

We are seeking an experienced science professional with 5+ years of increasing industry management responsibility for the research, product development and production of immunobiological reagents. This candidate must possess a Ph.D in Immunology or related life science and be a well-published, recognized leader in this field. The ideal candidate will be a strongly self-motivated individual driven to succeed while using business acumen, leadership skills, and teamwork to assist our company in achieving its goals and objectives.

**Director of Molecular Biology**

As the leader of our Molecular Biology and Protein Chemistry groups, you will guide the company’s basic research into novel, biologically active proteins, as well as lead a scientific staff in the production and quality control of our current line of cytokine and cell adhesion molecules and other recombinant DNA-derived proteins. In addition to a Ph.D in Molecular or Cellular Biology and familiarity with the latest molecular techniques, you must have 5+ years’ industry experience with increasing responsibilities in the scientific management of molecular and cell biology products. Strong publication history, leadership skills and excellent references are a must.

**Director of Marketing**

This marketing professional will have a BS/MS in Immunology or related science and at least 4+ years’ experience in biotechnology product management and marketing to the biomedical research market. You will be responsible for developing and implementing the company’s strategic marketing plan, including market research and related reports. Leading a small but growing support staff, you will direct product support for new and existing products, including advertising, trade show activities, and field sales support materials. Some travel required.

**Glycoscience Research Award:**

Neose Technologies, Inc. announces a funding program to foster innovative research into functions and biosynthesis of complex carbohydrates. Two grant awards, each not to exceed $75,000 per year in direct costs, will be made annually to applicants who are full-time, tenure-track staff members at academic or other non-profit institutions. Preference will be shown to applicants who have had less than six years of federal research support. Grants will be awarded without restrictions. The only requirement asked of each awardee is the favor of a research progress seminar at Neose. Completed applications must be received by January 1, 1997. Send requests for application information via email to neose@aol.com or via regular mail to: GRANT Program, Neose Technologies, Inc., 102 Witmer Road, Horsham, PA 19044, USA.
Howard Hughes Medical Institute

Postdoctoral Research Fellowships for Physicians

1997 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 academic or nonprofit research institutions, including but not limited to Hughes laboratories.

Fellowship Terms

- Three years of support
- Full-time fundamental research
- $40,000–$60,000 annual stipend, effective September 1997
- $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 1987
- 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 for application; U.S. citizens may study abroad, but others must study in the United States

Schedule

- Application deadline: December 16, 1996
- Awards announced: July 1997
- Fellowships start: September 1, 1997–September 1, 1998

1997 Program Announcements and Applications

Howard Hughes Medical Institute
Office of Grants and Special Programs
Department CC97
4000 Jones Bridge Road
Chevy Chase, MD 20815-6789, United States of America
Telephone (301) 215-8889
Fax (301) 215-8888
E-mail <fellows@hq.hhmi.org>
http://www.hhmi.org/grants/graduate/start.htm

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.
**BATES COLLEGE**

**LEWISTON, MAINE**

**ASSISTANT PROFESSOR — ENVIRONMENTAL TOXICOLOGY**

The Department of Biology at Bates College, a selective liberal arts college of 1600 students, has a tenure track Assistant Professor position open for an environmental toxicologist beginning in September of 1997.

Our toxicologist will become the ninth full-time faculty member in biology and have responsibilities for participating in the department's core curriculum and for teaching introductory environmental toxicology and additional courses in her/his area of expertise. In addition, she or he will be expected to conduct an active research program involving Bates undergraduates. Candidates whose approach to environmental toxicology includes competence in epidemiology/public health and embryology/teratology will be given preference. The department encourages applications from candidates whose research interests involve the health effects of environmental toxins at the tissue or single organism level of biological organization. A Ph.D. is required and postdoctoral research training is desirable.

Bates College is located in southern Maine, 2.5 hours from Boston, in the city of Lewiston, known for its Franco-American cultural influence and proximity to scenic mountains and beautiful coastline. Since its founding in 1855, the college has been coeducational and has enrolled students of religious, ethnic, and racial minorities. It has maintained a tradition of inclusiveness in college social activities without sororities or fraternities. The institution has an accomplished faculty from a wide range of disciplines teaching bright and enthusiastic students. In the last decade, five new interdisciplinary programs have been instituted at Bates. The college views research as a method of teaching and financially supports student/faculty research collaboration. Additional institutional information is available on line at http://www.bates.edu.

Applicants should provide a cover letter indicating teaching philosophy and experience, research interests, curriculum vitae, and three letters of recommendation by November 12, 1996 to the:

Toxicology Search Committee
Department of Biology
o/o Secretarial Services
Bates College
7 Lane Hall
2 Andrews Road
Lewiston, ME 04240

Bates College values a diverse college community and seeks to ensure equal opportunity through a continuing and effective Affirmative Action Program.

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**FACULTY POSITION IN VERTEBRATE GENETICS**

The Department of Physiology

UCSF

Applications are invited for a faculty position in vertebrate genetics and its application in mammalian physiology and toxicology. Preference will be given to candidates at Assistant Professor (tenure track) level, although all levels will be considered. Ideal candidates will use genetics to investigate physiological questions at the level of cells, organs, or systems. The successful candidate will play a role in the Biomedical Sciences Graduate Program and may also participate in a new Human Genetics Program, the PBS Graduate Program in Genetics, and/or a new UCSF Cancer Center. Significant research accomplishments, ability to maintain a rigorous research program, and commitment to excellence in education are required.

Please submit a letter of interest with curriculum vitae, summary of current and proposed research work, and key publications or preprints, and arrange to have at least 3 letters of recommendation sent to:

Vertebrate Geneticist Search, Attn.: D. Blumer, Dept. of Physiology, Box 0444, 513 Parnassus Avenue, Rm. S-762, University of California, San Francisco, CA 94143-0444.

All materials should arrive by December 15, 1996 to ensure full consideration. UCSF is an Equal Opportunity/Affirmative Action Employer.

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**Assistant Professors, Biology**

The University of Portland invites applications for two tenure track assistant professor appointments in biology to begin Fall 1997. We seek a molecular geneticist and vertebrate biologist who are committed to combining teaching and research activities. The University of Portland is a Catholic comprehensive university with 2000 undergraduate students, with a reputation for quality teaching. A Ph.D. is required; applicants must possess a strong commitment to teaching and are expected to develop a research program that fosters undergraduate research activities. The Biology Department teaches courses for the School of Nursing and non-science majors as well as for its 200 majors. Teaching responsibilities for the molecular geneticist include an upper division molecular genetics course and a health related microbiology course. We seek a vertebrate biologist with a specialty in non-human vertebrates and interests in teaching general vertebrate courses such as evolution, ecology, and animal behavior or physiology. Send a letter of application stating the position of interest, a curriculum vitae, evidence of teaching effectiveness, description of research program, copies of transcripts (undergraduate and graduate), and 3 letters of recommendation to: Search Committee Chair, University of Portland, 5000 N. Willamette Blvd., Portland, OR 97203-5798. Closing date: December 13, 1996. The University of Portland is an Affirmative Action/Equal Opportunity Employer.

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**CHAIR**

Department of Biomedical Sciences

University of South Alabama

Applications are invited for the position of Chairperson of Biomedical Sciences. Biomedical Sciences is an undergraduate Department whose unique mission is to provide a strong undergraduate basic medical sciences degree program for premedical and pre-Ph.D. students. The program also provides service teaching for other health professions students. Successful applicants will have an earned doctorate in either physiology or pharmacology and must (1) have a distinguished record in teaching and in research; (2) have proven leadership capability and administrative skills; (3) have strong interpersonal skills including the ability to communicate effectively with internal and external constituencies; and (4) have a strong commitment to undergraduate education in basic medical sciences.

Application deadline: November 15, 1996.

Send letter, c.v., and 3 letters of reference to: Dr. Daniel E. Sellers, Associate Dean, College of Allied Health Professions, 1500 University Commons, University of South Alabama, Mobile, AL 36688.

The University of South Alabama is an EEOC Affirmative Action Employer. M/F/D.

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The Department of Microbiology and Molecular Genetics and the Department of Medicine at the University of California, Irvine are jointly seeking candidates for tenure or associate professor in immunology/public health. The latter position is an NIH pre-Ph.D. or M.D. position. Board eligibility in infectious diseases is required. The successful candidate will have strong teaching and clinical responsibilities but will have considerable time available for accomplishing research goals and participating in research-related activities.

Please send curriculum vitae, summary of research interests, and names of three references to:

Dr. Alan G. Barbour
Search Committee Chair
Department of Microbiology and Molecular Genetics
College of Medicine
University of California
Irvine, CA 92697-4025

The University of California at Irvine is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.
NIH Has A New Address.

The National Institutes of Health has introduced a new web site. Now, the latest news about clinical and research training opportunities at NIH can be accessed by visiting us at http://helix.nih.gov:8001/oe/

At the site, you can quickly obtain information regarding clinical and postdoctoral training. Review the NIH tenure-track openings. Take a look at the NIH Postdoctoral Research Fellowship Opportunities Catalog which chronicles research being conducted in all NIH laboratories. You can even apply electronically for positions.

All from the convenience of your keyboard.

Plus, the web site links to all NIH institute and laboratory home pages, provides a calendar of events, and offers links to many other areas.

We used to ask you to call us or send your curriculum vitae. Now, the best way to find out about world class opportunities at NIH is through the world wide web.

National Institutes Of Health
Office Of Education
http://helix.nih.gov:8001/oe/

The NIH is an Equal Opportunity Employer

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<th>Society for Integrative and Comparative Biology</th>
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<td><strong>Albuquerque, New Mexico 1996</strong></td>
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<td><strong>Society for Integrative and Comparative Biology</strong></td>
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<td>(formerly the American Society of Zoologists)</td>
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<td>With the American Microscopical Society, Animal Behavior Society and The Crustacean Society</td>
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<td><strong>1996 Annual Meeting</strong></td>
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<th>Don’t Miss These Exciting Symposia!</th>
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<td><strong>Animal Behavior: Integration of Proximate and Ultimate Causation</strong></td>
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<td>Major historic approaches to behavior concern proximate (how) and ultimate (why) questions.</td>
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<tr>
<td><strong>Responses of Terrestrial Invertebrates to Variation in Temperature and Water Availability: Molecular, Organismal and Evolutionary Approaches</strong></td>
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<td>Explore how terrestrial invertebrates cope with thermal and hydric stresses.</td>
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<tr>
<td><strong>Evolution of Development: Patterns and Process</strong></td>
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<td>This symposium examines development in generating biological diversity.</td>
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<td><strong>Developmental Endocrinology of Non-Mammalian Vertebrates</strong></td>
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<td>Hormonal control of embryonic and larval development is featured, as well as amphibian metamorphosis and sex determination.</td>
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<tr>
<td><strong>A Tribute to Stephen A. Wainwright: Mechanical Design in Organisms</strong></td>
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<td>This series of contributed paper sessions feature short talks by people who have been influenced by Wainwright.</td>
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<td><strong>Muscle Properties and Organismal Function: Shifting Paradigms</strong></td>
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<td>The emerging paradigm in muscle function will be explored from a comparative perspective.</td>
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<td><strong>The Biology of Lipids: Integration of Structure and Function</strong></td>
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<td>Lipids as structural components of cells and organisms, lipid metabolism and transport, and lipids in regulating biological processes.</td>
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For more information contact:
Society for Integrative and Comparative Biology
401 North Michigan Avenue • Chicago, IL 60611-4267
312/527-6697 • 800/955-1236 • Fax 312/245-1085
e-mail: SICB@sba.com • http://SICB.berkeley.edu/SICB/SICB.html
**Medicine At The Core Of Life**

Few biotechnology companies can offer you the promise and excitement of Gilead Sciences. We are a leader in the discovery and development of a new class of broad spectrum antiviral therapeutics that will provide powerful new treatments for CMV retinitis, HIV and other viruses. Here, you’ll be a part of a company that takes pride in its achievements, knowing that patients may benefit from the products we create.

**TOXICOLOGIST**

Working effectively with CROs and Gilead Scientists, you will support internal and external pre-clinical toxicology development programs. Responsibilities will include monitoring/coordinating externally-contracted GLP and non-GLP studies as well as acting as study director for non-GLP toxicology/research studies conducted in the Gilead Sciences vivarium. This opportunity requires a Ph.D. in Toxicology or a related field, hands-on experience in the design, conduct and interpretation of animal toxicology studies, and good computer and written/verbal communications skills. A minimum of 2 years’ experience as a study director in a GLP-compliant facility is desired; A.B.T. certification would be a plus.

At Gilead, we are committed to developing important treatments for a wide range of viral diseases, including AIDS. As you will discover, we are committed to opportunity as we are to scientific achievement. To learn more, please send or fax your C.V/resume to: Human Resources, Gilead Sciences, Inc., 353 Lakeside Drive, Foster City, CA 94404, fax (415) 573-4800. We are proud to be an equal opportunity employer.

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**AMERICAN SOCIETY FOR MICROBIOLOGY AND NATIONAL CENTER FOR INFECTIOUS DISEASES 1997 POSTDOCTORAL RESEARCH ASSOCIATES PROGRAM**

Up to eight associate positions will be awarded by the American Society for Microbiology for full-time research in infectious diseases which cause significant public health problems. Associates will perform research in residence at the National Center for Infectious Diseases (NCID) which is headquartered at the Centers for Disease Control and Prevention (CDC) in Atlanta, GA. In addition to Atlanta, NCID operates laboratories in Ft. Collins, CO, Anchorage, AK, and San Juan, Puerto Rico.

Eligible fields of study include:

- Bacterial and Mycotic Diseases
- Viral and Rickettsial Infections
- Neoplastic Infections
- HIV/AIDS
- Vector-borne Infectious Diseases
- Sexually Transmitted Diseases
- Parasitic Diseases

The associate positions are limited to individuals who either earned their doctorate degree (Ph.D., Sc.D., M.D., D.V.M., or D.D.S.) or have completed a primary residency after May 1994. Exceptions may be made for those with more experience. All qualified applicants are eligible to apply. While citizens of other countries who have a full command of the English language will be considered, preference will be given to qualified U.S. citizens and permanent residents. Qualified applicants will receive consideration without regard to race, color, age, sex, or national origin. Diversity among associates is encouraged.

The appointment deadline is December 1, 1996. The Postdoctoral Research Program is administered by the American Society for Microbiology. All inquiries regarding this program should be addressed to: ASM/NCID Postdoctoral Research Program, American Society for Microbiology; 1325 Massachusetts Avenue, N.W., Washington, D.C. 20005; Fax: (202) 942-9329; E-mail: TrainingInformation@asmusa.org. The booklet and application is available on ASM’s home page at http://www.asmusa.org/educat/out/Doc.htm.

**ASM CDC/NCID**

**AMERICAN SOCIETY FOR MICROBIOLOGY CENTERS FOR DISEASE CONTROL AND PREVENTION NATIONAL CENTER FOR INFECTIOUS DISEASES**

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**UNIVERSITY OF MIAMI SCHOOL OF MEDICINE**

**BIOCHEMISTRY AND MOLECULAR BIOLOGY**

Tenure Track Faculty Position in Structural Biology

As part of an ongoing expansion, the Department of Biochemistry and Molecular Biology invites applications for a faculty position in the area of structural biology. Although emphasis will be on a junior faculty position, we will consider superior applicants at all levels. We seek an individual with training and research interests bearing on macromolecular structure. The successful applicant will be expected to develop an independent research program utilizing biochemical, biophysical, and molecular biological techniques to address a significant biological problem at the structural level. Generous start-up packages and laboratory space are available to initiate the research program.

Applicants should have a doctoral degree and relevant postdoctoral experience. Demonstrated excellence in research and clear indications of an ability to initiate a strong research program are essential. Candidates should also be able to function effectively as lecturers and in more informal teaching situations at all levels.

Interested individuals should send a complete curriculum vitae, at least three letters of recommendation, a brief description of previous research experience and future research plans, and reprints of most significant work to: Dr. Murray Deutscher, Faculty Search, University of Miami School of Medicine, P.O. Box 016129, Miami, FL 33101-6129.

Review will begin immediately and continue until the position is filled.

*The University of Miami is an affirmative action/equal opportunity employer.*

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**MEHARRY MEDICAL COLLEGE SCHOOL OF MEDICINE**

Research Centers in Minority Institutions (RCMI) and the Department of Biochemistry

Faculty positions are available in 1996-97 at the Assistant Professor, Associate Professor or Professor levels in the area of cell signaling which has been targeted for expansion at the College. Initial funding for these positions is provided by an NIH-funded RCMI program at the College and support from the School of Medicine.

Recruitment of four individuals is expected, in an effort to develop a critical mass of investigators studying cell signaling at the institution. We are seeking scientists who merit primary appointment in the department of biochemistry. Joint appointments in clinical or other basic sciences departments are expected. Preference will be given to applicants who have an interest that complements one of our clinical science departments. Selected individuals must have potential or demonstrated competence in the use of molecular biological or biophysical approaches to conducting research in cellular signaling and must also be capable of, and committed to making significant contributions to the teaching and administrative functions of the appointing department(s). Successful applicants will be expected to develop/maintain a funded research program of high quality and to substantially participate in the graduate and professional (medical, dental, and applied health) school teaching programs of the department of biochemistry or other appointing department(s). They will also be required to participate in the ongoing development of molecular neuroscience at the College. Applicants should send curriculum vitae, a statement on teaching interests, names of four individuals who may be contacted for reference, and a summary (not exceeding four pages) of potential research project(s) to either: Fred Jones, Ph.D., RCMI Program Director, and Vice President for Research, or John E. Arradondo, M.D., M.P.H., Dean, School of Medicine, (both at) Meharry Medical College, 1005 D.B. Todd Blvd., Nashville, TN 37208. Applications will be evaluated by the search committee appropriate for the targeted area of cell signaling as well as by the appointing department(s). Meharry Medical College is an Equal Opportunity/Affirmative Action Employer.
Insight
scientific discovery

Glaxo Wellcome, the world’s largest pharmaceutical company, continues to reinforce its commitment to pioneering research and development efforts that respond to the existing and emerging needs of the global community. To explore new challenges in healthcare research, bring your expertise to our team in one of the following openings at our Corporate Headquarters located in Research Triangle Park, N.C.

SR. SCIENTIST/RESEARCH INVESTIGATOR

As a key member of our BioMet Research Department, you will provide direction and support to our team, establish procedures for absorption/transport studies, in vitro drug metabolism studies, high-throughput screening and analysis, and assist in interpreting data from these studies.

Requires a BS degree with a minimum of 5 years relevant experience; or an MS degree with a minimum of 3 years relevant experience; or a Ph.D. with relevant experience in pharmacology or a related discipline. Candidate must have skills related to bioanalysis and drug metabolism which include specialization with membrane transport systems (i.e. Caco-2 cell culture), in vitro drug metabolism systems and enzymology. Candidate must be independent, highly motivated, an innovative thinker, possess good communication skills and a demonstrated ability to work well with others in a team setting. Refer to Job # ASC2129-1 on all resumes.

SR. SCIENTIST/RESEARCH INVESTIGATOR

As a key member of our Oligomer Development Department, this individual will develop targeted carriers for intracellular delivery of antisense oligonucleotides. Other duties will include: synthesizing peptides and oligonucleotides and their covalent conjugates with polymers, lipids, membrane fusogens and targeting ligands; characterizing oligomers and derivatives by physical chemical techniques and bioassays; evaluating cellular uptake, intracellular localization and specific inhibition of target mRNA and protein expression; and developing stable formulations for systemic administration to support preclinical studies in vivo disease models. As an active project team participant, this individual will expedite the timely development and registration of biotechnology products as human therapeutics.

This position requires a BS/BA in Chemistry or Biochemistry with a minimum of 5 years relevant experience, or a Master’s with 3 years experience; or a Ph.D. with relevant laboratory experience. Experience/working knowledge of solid-phase peptide and oligonucleotide synthesis, synthesis and characterization of covalent conjugates, formulation/delivery of oligo- or polymeric nucleotides, and liposome formulations are preferred. Candidate must have excellent communication and interpersonal skills and the ability to work independently and as part of a team. Refer to Job # ASC2017-2 on all resumes.

Our leadership is reflected in excellent salaries and a comprehensive benefits package. For confidential consideration, send your resume, which must include position title/job number and salary history, to: Human Resources Department, Glaxo Wellcome, P.O. Box 13398, Research Triangle Park, NC 27709. (No Phone Calls or Agency Referrals, Please.) An Equal Opportunity Employer M/F/D/V.
PROFESSOR OF IMMUNOPATHOLOGY

The Department of Pathology at Harvard Medical School is seeking to fill the Edward Mallinckrodt, Jr. Professor of Immunopathology. Candidates should be dynamic, creative scientists whose commitment to immunology is demonstrated by their scientific accomplishments and international reputation. The successful candidate is expected to participate in the training of graduate students enrolled in the Center on Immunology, the Program in Biological and Biomedical Sciences, and the medical student teaching programs of the Department of Pathology. The candidate is expected to direct a vigorous research program in immunology, recently constructed laboratory space is available on the Quadrangle within the Department of Pathology at Harvard Medical School.

Candidates should send a curriculum vitae and statement of research interests to: Mallinckrodt Search Committee, c/o Dr. Peter M. Howley, Harvard Medical School, 200 Longwood Avenue, Building D2, Room 2240, Boston, MA 02115. Harvard Medical School is an Affirmative Action/Equal Employment Employer. Qualified female and minority candidates are encouraged to apply.

ANIMAL PHYSIOLOGIST

The Department of Biology, Santa Clara University, invites applications for a tenure-track ASSISTANT PROFESSOR position beginning September 1, 1997 for an animal physiologist working at the animal, cellular, or molecular level. Qualifications include a Ph.D. and at least two years of postdoctoral experience. Previous teaching experience preferred. Responsibilities include teaching physiology at the lower- and upper-division levels and an upper-division laboratory course in the candidate’s area of expertise. The successful candidate will also be required to develop a strong research program that includes undergraduate participation. The Department of Biology is within the undergraduate College of Arts and Sciences at Santa Clara University. The University stresses a strong liberal arts curriculum and seeks to create a learning environment that encourages rigorous inquiry and creative imagination. Excellence in both teaching and research is expected.

Applications should submit 1) curriculum vitae, 2) three letters of recommendation, and 3) a concise statement of future teaching and research plans by November 1, 1996 to: Chair, Search Committee, Department of Biology, Santa Clara University, Santa Clara, CA 95053. Santa Clara University, a Jesuit institution, is an Equal Opportunity/ Affirmative Action Employer and welcomes applications from women and persons of color.

FACULTY POSITION

Behavioral Neuroscience/Neuropsychology

Applications are invited for a tenure-track position at the ASSISTANT PROFESSOR level, pending state funding. The specific area of specialization is open and includes research on physiological, neural, or behavioral systems. Preference will be given to candidates who have a strong background in and nationally recognized research. Application deadline is December 1, 1996. Send curriculum vitae, three references, and a research statement to: Dr. Phillip Gaskell, Search Committee, Department of Psychology, The University of Memphis, Memphis, TN 38152. Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

WINE STATE UNIVERSITY

Chemical Engineering Materials Engineering

Wayne State University, Department of Chemical Engineering and Materials Science, invites applications for a FACULTY POSITION. This position is associated with the Center for Automotive Processing Control and Reliability (CAREPAC). A research scientist in this cross-disciplinary research between Wayne State University engineering/science faculty and industrial partners in automotive manufacturing and supplier companies, with emphasis on developing prototypes and analyzing automotive materials analysis capabilities. Rank, tenure status, and salary commensurate with credentials. Qualifications include Ph.D. in chemical engineering or materials science and engineering and a commitment to undergraduate and graduate teaching. Candidates for a tenured full professor position should be accomplished researchers with an outstanding record of research funding and scholarly publications. Applicants for a junior faculty position have the potential for developing an externally funded research program that would lead to national recognition. All research areas will be considered, but preference will be given to candidates whose research areas relate to automotive materials analysis. Substantial funding will be available for start-up. Preferred starting date is September 1, 1997. Please send a curriculum vitae, statement of research plans, and names of three references to: Professor Esin Gulani, Chair, Chemical Engineering and Materials Science Wayne State University Detroit, MI 48202 Telephone: 313-577-3767 Email: egulani@chem1 eng.wayne.edu

The deadline for receipt of applications is December 23, 1996. Wayne State University is an Equal Opportunity/ Affirmative Action Employer.

ASSOCIATE PROFESSOR of Biological Chemistry at Finch UH/Chicago Medical School: Tenure-track appointment in the area of protein structure/function including mechanistic, spectroscopic, or other physical biochemical approaches including structural, growth factors, binding proteins, etc. Candidates must have an established, independent research program. Excellent research environment and modern facilities are located in a pleasant North Shore suburb. Send curriculum vitae, names of references, description of research, and statement of current funding to: Dr. K. E. Neet, Chairman, Department of Biological Chemistry, Finch UH/Chicago Medical School, 3333 Green Bay Road, Chicago, IL 60004. An Equal Opportunity/Affirmative Action Employer.

ANIMAL PHYSIOLOGIST POSITION

The Department of Biology at Davidson College invites applications for a tenure-track ASSISTANT PROFESSOR position in animal physiology. Teaching responsibilities include comparative animal physiology and introductory biology. Research program involving undergraduates expected. Start-up funds available. Appointment begins August 1, 1997. Interested persons should send their curriculum vitae, teaching and research statements, selected reprints, and three letters of reference to: Dr. Vernon Miller, Case, Department of Biology, David- son College, P.O. Box 1719, Davidson, NC 28036 by December 1, 1996. http://www.davidson.edu/ academic/biology/job.html. An Equal Opportunity/Affirmative Action Employer; women and minorities encouraged to apply.

BIOLOGY POSITIONS

The Point Loma Nazarene College (PLNC) Biology Department seeks two FACULTY members to start in August 1997. One position is a middle level teaching specialist in animal physiology, cell biology, or neurobiology. Candidates must have a strong commitment to excellence in teaching and research. PLNC is a Christian liberal arts college in the heart of the urban complex in San Diego. We welcome a letter of application, curriculum vitae, and a statement of personal faith regarding your commitment to teaching at a Christian college. Applicants should send a letter to: Dr. George C. Alpert, President, Point Loma Nazarene College, 3900 Lomaland Drive, San Diego, CA 92106. Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

HUMAN/MAMMALIAN GENETICS

As part of a continued expansion in human and mammalian genetics, the Laboratory of Genetics, University of Wisconsin-Madison (http://www.wisc.edu/genetics/), seeks to hire an ASSISTANT PROFESSOR. Candidates should possess an M.D. and/or Ph.D. degree and direct an active research program in human or mammalian genetics. Joint appointments with appropriate clinical departments are possible for M.D. applicants. Please send curriculum vitae, a statement of research interests, and representative reprints or preprints, and arrange to have three letters of recommendation sent to: Human Genetics Search Committee, c/o Dr. William Dove, 118 Genetics, 445 Henry Mall, Madison, WI 53706. Application deadline is November 30, 1996.

The University of Wisconsin-Madison is an Affirmative Action Employer. Women are especially encouraged to apply. Unless confidentiality is requested in writing, information regarding the applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

MICROBIOLOGIST

The Department of Biology at the University of Northern Iowa invites applications for a tenure-track ASSIS- TANT PROFESSOR position effective August 1997. The individual will teach microbiology and virology, share in the teaching of general education courses, and develop a research program in virology or another area of microbiology that uses modern molecular techniques. The Department expects effectiveness in both teaching and research. The applicant’s research program should invite participation by Master’s and undergraduate students. Ph.D. is required. A brief statement (no more than three pages) describing teaching and postdoctoral research experience is desired.

Applications must be received by January 10, 1997 to be given full consideration. Please submit a curriculum vitae, transcripts, and a statement of interest and goals for both teaching and research, and have three letters of reference sent to: Dr. James Jurgenson Chair, Search Committee Department of Biology University of Northern Iowa Cedar Falls, IA 50614-0421 Phone: 319-273-7125

The University of Northern Iowa is an inclusive academic community, hospitable to all. It is an Equal Opportunity Employer and Educator with a comprehensive plan for Affirmative Action. The Department encourages applications from minority persons, women, Vietnam era veterans, and disabled persons.

ECOLOGIST AND DEVELOPMENTAL BIOLOGIST

Two TENURE-TRACK ASSISTANT or ASSOCIATE positions to begin September 1997. 1) Ecologist: including teaching in evolution and systematics, field experience, marine biology background advantageous. 2) Developmental biologist, teaching cell biology and histology in comparative anatomy and embryology. Research start-up funds available for both positions. Small liberal arts college with broad range of undergraduate courses and specialized courses through M.S. level. 360 acre campus on North Shore of Long Island presents a rural setting within an hour of Manhattan. Please send curriculum vitae, supporting publications, and names of at least three references to: Search Committee, Department of Biology, Long Island University, C.W. Post Campus, Brookville, NY 11548. Application review cycle will begin December 15, 1996. Equal Opportunity Employer.

FACULTY POSITION IN GASTROENTEROLOGY

The Department of Medicine in Michigan State University College of Human Medicine is seeking a qualified full-time ASSISTANT/ASSOCIATE PROFESSOR, Board-certified/eligible in Gastroenterology, as fourth member of Gastrointestinal (GI) Section. Responsibilities include teaching medical students, residents, and faculty fellows, as well as patient care and scholarly activity. Many opportunities for research, including collaboration in liver toxicology and clinical epidemiology. Applications due November 15, 1996. Please call (517) 355-1157 or before. Address inquiries with a copy of curriculum vitae to: Joel Kupersmith, M.D., Professor and Chairper- son, Department of Medicine, Michigan State College of Human Medicine, 330 Clinical Science Building, Michigan State University, East Lansing, MI 48824-1315. Please refer to position HM1001. Michigan State University is an Affirmative Action/Equal Opportunity Institution.
BIOPHYSICAL FACULTY POSITIONS

The University of Texas Medical Branch
Galveston, Texas

In continuing development of Structural Biology at the University of Texas Medical Branch, we are pleased to announce two tenure-track faculty openings at the Assistant Professor level.

NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY

We seek candidates with strong backgrounds in NMR spectroscopy who make extensive use of NMR to solve important biological problems. Successful candidates are to establish independent research program that may involve determinations of macromolecular structures and/or innovative application of NMR spectroscopy in the study of biological macromolecules. The NMR facility at UTMB consists of new 400, 600 and 750 MHz Varian Spectrometers housed in a newly renovated building.

BIOPHYSICAL CHEMISTRY

Candidates with strong backgrounds and expertise in biophysical chemistry are sought. The successful candidate must establish an independent research program to investigate an important biological problem that involves macromolecular interactions. Center facilities include analytical ultracentrifugation, electro-spray mass spectrometry and dynamic light scattering apparatus.

Candidates for both positions must have outstanding potential in research with a record and stature in their field of expertise. They are expected to attract funding from national agencies and to fully participate in teaching and service with the Department of Human Biological Chemistry and Genetics. Affiliations with The Sealy Center for Structural Biology, other UTMB Centers and relevant Departments are possible.

Structural Biology currently consists of 10 biophysical faculty members in areas of NMR spectroscopy, x-ray crystallography, computational biology, and biophysical chemistry. Facilities in areas of NMR spectroscopy, computation, x-ray crystallography, and biophysical chemistry are directed by Drs. David Gorenstein, Werner Braun, Robert O. Fox and James Lee, respectively. Structural Biology received financial support from UTMB and endowed support from The Sealy Center for Structural Biology. Facilities consist of a newly renovated building and additional laboratories, along with excellent computational, NMR, crystallographic, and biophysical equipment.

Applications should include a complete curriculum vitae, a description of research interests and names and addresses of at least three references. Review of applications will begin October 15 and continue until the positions are filled. Applications should be addressed to:

Dr. James C. Lee
Structural Biology Search Committee
Department of Human Biological Chemistry and Genetics
and
The Sealy Center for Structural Biology
University of Texas Medical Branch
Galveston, Texas 77555-1055

UTMB is an EO/AA Employer M/F/D/V

NRC is a dynamic, nationwide R&D organization committed to helping Canada realize its potential as an innovative and competitive nation. Combining our strengths – outstanding people, core science expertise and information, research programs focused on key technologies and technology diffusion – with those of industrial and academic partners, we foster Canada’s emerging national system of innovation.

You can make a difference at NRC!

Research Officer
Plant Biotechnology Institute (PBI)
Saskatoon, Saskatchewan

Your Challenge

You will carry out independent research within an integrated cereal biotechnology group to develop genetic transformation methodologies to produce wheat and barley transgenics with improved agronomic performances and/or value-added traits. You will also oversee the development of novel technologies to enhance the group’s transgenic wheat and barley capability. In addition, you will participate in project planning and reporting, create research and development interactions with outside collaborators including industry, and manage financial, human and physical resources associated with a research laboratory.

Your Credentials

You must have a Ph.D. in a specialization related to plant biotechnology. The position requires knowledge of the principles and methodologies of genetics, physiology, biochemistry and molecular biology of plants, as well as good understanding of in vitro plant culture and the production and assessment of transgenic plants. Knowledge of biotechnology in relation to crop improvement is also needed. The ideal candidate will have research expertise in (i) in vitro regeneration and genetic transformation of crop plants; (ii) analysis and inheritance of transgenes in transgenics; (iii) isolation and characterization of genes from plants; and (iv) construction of gene expression vectors to insert genes of interest in to target crop species. Experience in cereal biotechnology research will be an added advantage. The position also requires very good interpersonal skills, excellent skill in written and oral communication and ability to work effectively in a group environment. Knowledge of English is essential.

Salary range. Commensurate with qualifications. Relocation costs may be negotiable.

An enhanced reliability check will be conducted.

To explore this opportunity, send your application by November 15, 1996, indicating reference number PB-96-035C, to: Recruitment and Staffing Group, National Research Council Canada, Montreal Road, Building M-58, Ottawa, Ontario K1A 0R6.

NRC is an equal opportunity employer.

Vous pouvez obtenir ces renseignements en français.
PLANT SYSTEMATIST

Hope College seeks a broadly trained botanist for a tenure-track position at the ASSISTANT PROFESSOR level. The successful candidate will develop a vigorous research program with active participation by undergraduate students. While the particular research area is open, we seek someone who uses modern systematics techniques to address evolutionary or ecological questions of fundamental significance. She or he will teach a course in vascular plant systematics, an introductory course at the organisational or population level, and an additional course in his or her area of expertise.

Hope College is a distinguished liberal arts college with an enrollment of 2,200 students and a faculty of 180. The college maintains a strong tradition of "teaching through research" in the sciences. The Department of Biology has thirteen full-time and three part-time faculty, and is well-equipped to maintain its commitment to a broad program in biology. Hope College is affiliated with the Reformed Church in America.

Qualified applicants should arrange to have a curriculum vitae, transcripts, statements of research interests and teaching philosophy/competencies, and three letters of recommendation sent to:

Dr. Christopher Barney, Chair
Department of Biology
Hope College
35 East 12th Street
Holland, MI 49422-9000

Applications received by 8 November 1996 will be assured full consideration. Additional information about Hope College is available through the college's home page, http://www.hope.edu

Hope College complies with all legal requirements prohibiting discrimination in employment. Women and persons of color are strongly encouraged to apply.

PROFESSOR AND CHAIR
PHYSIOLOGY AND BIOPHYSICS

School of Medicine and Biomedical Sciences, State University of New York (SUNY) at Buffalo. This Department has been recently formed through amalgamation of the Physiology and Biophysics departments and has close ties to SUNY's major investment in structural biology. The successful candidate will have an internationally recognized record of achievement in research, as well as a commitment to professional, graduate, and undergraduate programs in genetics and related professions. Previous administrative experience is desirable. Candidates should have a Ph.D., M.D., D.V.M., or equivalent degree. Salary, laboratory space, and other resources are negotiable. The successful candidate will develop a lab based on his or her research interests, and the names and addresses of three references.

Send a curriculum vitae, statements of research interests and educational interests, and the names and addresses of three references to:

Dr. H. John Boardman, Chair
Search Committee Chair
School of Medicine and Biomedical Sciences
SUNY at Buffalo
Box 1, 138 Farber Hall
Buffalo, NY 14214

Deadline for receipt of applications is December 31, 1996. SUNY is an Affirmative Action/Equal Opportunity Employer. Women and minority applicants are particularly encouraged to apply.

TENURE-TRACK FACULTY POSITION
Department of Microbiology and Immunology
SUNY Health Science Center at Syracuse

The Department of Microbiology and Immunology at the SUNY Health Science Center at Syracuse invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. Competitive applicants will have a Ph.D. degree or equivalent, postdoctoral experience, and a record of innovative research productivity. Salary, teaching load, and start-up funds are negotiable. Applicants must commit to both independent research activity and to teaching both basic and clinical course work. Preference will be given to individuals with experience in molecular microbiology. Applications are to be submitted with a letter of interest, curriculum vitae, and a list of three references. The SUNY Health Science Center at Syracuse is an Equal Opportunity/Affirmative Action Employer.

VISITING FACULTY POSITION
BIOLGY

New Mexico Institute of Mining and Technology seeks a MICROBIOLOGIST for a one-year, non-renewable position. Responsibilities include teaching introductory microbiology, botany, cell biology, and general biology. Submit curriculum vitae, three letters of reference, and a statement of teaching interests and goals by November 15, 1996. Send all materials to Dr. William K. Huber, Department of Biological Sciences, New Mexico Institute of Mining and Technology, Socorro, NM 87801.

New Mexico Institute of Mining and Technology is an Equal Opportunity/Affirmative Action Employer.

INVERTEBRATE ECOLOGIST

We invite applications for a tenure-track ASSISTANT PROFESSOR position, to begin in August 1997. Applicants should have a Ph.D., and postdoctoral experience is preferred. The successful candidate will develop an active extramurally funded research program; a focus on insect communities is preferred. Departmental research is strongly interdisciplinary, including immunogenetics, molecular biology, plant microbe and plant-plant interactions, community ecology, and ecosystem dynamics. Other responsibilities include directing graduate students, serving on committees, teaching an introductory zoology, environmental science, or ecology class; and developing an advanced graduate course. Applicants must submit a curriculum vitae and statement of research and teaching interests, and have three letters of recommendation sent to arrive by November 8, 1996, to:

Ecology Search Committee
Department of Biological Sciences
Texas Tech University
Lubbock, TX 79409-3131

Texas Tech University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

Human/Mammalian Genetics. The Rowe Program in Molecular Medicine and Human Genetics at the University of California, Davis, is soliciting applications for mammalian geneticists. This program is centered on development of techniques defining genetic basis and mammalian models of human disease. These tenured positions are at the ASSISTANT PROFESSOR level. Higher level appointments considered for unusually qualified candidates. Applicants should have a Ph.D. in biochemistry and/or molecular genetics, strong publication record, and well-defined research goals. Letters of interest, curriculum vitae, synopsis of research interests and future plans, and three letters of recommendation should be forwarded to:

Dr. Michael F. Seldin, Chair
Rowe Program Search Committee
Department of Biological Sciences
University of California
Davis, CA 95616

Applicants will be considered for the position until after June 30, 1997. The University of California is an Equal Opportunity/Affirmative Action Employer.

BIOCHEMISTRY—VASSAR COLLEGE

Applications are invited for a tenure-track ASSISTANT PROFESSOR of Chemistry to begin September 1997. Teaching responsibilities include general chemistry and advanced biochemistry lecture and laboratory courses. Vassar offers an interdisciplinary major in biochemistry and an AB degree in biochemistry with a research component. The candidate will develop a research program in cellular or molecular biochemistry. The teaching load is 4 courses per year. Salary is competitive. Applicants should send a curriculum vitae, a statement of teaching philosophy, and three letters of recommendation by December 1, 1996, to:

Dr. James W. L. Buckley
Chair of the Biochemistry Search Committee
Vassar College
Poughkeepsie, NY 12601

Vassar College is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR
Endowed Chair Position in NMR Spectroscopy
University of Notre Dame

The College of Science of the University of Notre Dame is seeking candidates for an ENDOWED CHAIR position in NMR spectroscopy as applied to problems in the life sciences. The appointment will be made in the Department of Chemistry and not in the Department of Biochemistry. The successful candidate will have demonstrated excellence in scientific research and a strong commitment to teaching. Application materials should include a curriculum vitae, statement of research interests, and three letters of recommendation. Applications are due before January 15, 1997 to:

Professor Anthony S. Ferro, Chair
Search Committee
Department of Chemistry
University of Notre Dame
Notre Dame, IN 46556

The University of Notre Dame is an Affirmative Action/Employer.

TWO ASSISTANT PROFESSOR FACULTY POSITIONS
University of Wisconsin—Green Bay
Department of Human Biology

Two TENURE-TRACK positions in an interdisciplinary department: 1) Microbiology with emphases in virology, immunology, or molecular biology; and 2) Reproductive and Developmental Biology with emphases in endocrinology or aging. The successful candidate will demonstrate potential for excellence in teaching and ability to establish a research program and to guide undergraduate research. Normal teaching load is 21 credits per year. Review of applications will begin on December 16, 1996 and positions will remain open until filled. Please send letter of interest, curriculum vitae, list of publications, names and addresses of three references, and three letters of reference to:

Professor Richard H. Gage, Chair
Department of Biology
University of Wisconsin—Green Bay
2420 University Avenue
Green Bay, WI 54311

Unless confidentiality is requested in writing, information regarding the applicants will be released upon request. Finalists cannot be guaranteed confidentiality. University of Wisconsin—Green Bay is an Affirmative Action/Employer. Minority candidates and women are encouraged to apply.
The Research presentation mapping using imaging techniques focused the Section’s mission.

For epilepsy, low ductral psychological handicap from a pointment, continue zures.

Clinical Staff, Texas. National Space research development Opportunities. Education and outreach Internet at http://www.jsc.nasa.gov/bd2/

Robert A. Kennedy, V.P. for Research and Assoc. Provost for Graduate Studies Texas A&M University 312 Administration Building, College Station, TX 77843-1112 409-845-8585 E-mail: hr@admin.tamu.edu

Texas A&M University

General Responsibilities

The Director is responsible for all aspects of the NSBRI, including the research plan, promotion, vitality and integrity of the research program, interface with NASA, and staffing, as well as public relations, education and outreach activities. The Director will report to the Executive Vice President and Provost of Texas A&M University.

Criteria/Qualifications

The Director should have: demonstrated expertise and experience leading and managing a research institute; a national and international reputation in biomedical research; excellent interpersonal skills; experience in developing and implementing a comprehensive research plan; experience with life science space research; and an understanding of and experience in extramural research and business development. Candidates must have a PhD and/or MD and qualify for a tenured academic appointment in one of the colleges at Texas A&M University. In addition, the candidate should have teaching experience, especially at the graduate level, and research and technology development experience in the private sector.

ANIMAL DRUG SAFETY

PROJECT MANAGER

Hoffmann-La Roche, a major force in the field of international Animal Health and Nutrition, has recently expanded its animal drug portfolio. As part of an aggressive plan to further strengthen our position as a world leader, we are inviting applications for the position of Project Manager in the Animal Health Preclinical Development Group.

The successful candidate will be responsible for planning and managing drug safety research programs to support worldwide registration of animal health drugs. The research will focus on the evaluation of the Toxicity and environmental impact of new animal drugs and will involve extensive international collaboration with external researchers and consultants.

The ideal candidate will possess a Ph.D. in toxicology, pathology, pharmacology or related field with a minimum of five years directly related industrial or academic experience. Strong communication and presentation skills and the ability to work in a multi-discipline team environment are essential. Experience in performing studies to GLP standards and in dealing with regulatory agencies is highly desirable. This position will involve overseas travel.

We offer a competitive salary and progressive benefits package. To apply, please send resume and salary requirements to: Human Resources Department 95050, Roche Vitamins and Fine Chemicals, 45 Eisenhower Drive, Paramus, New Jersey 07652, USA. We are an equal opportunity employer.
COLUMBIA UNIVERSITY ASSISTANT PROFESSOR
Department of Pharmacology

Applications are invited for two tenure-track positions at the ASSISTANT PROFESSOR level in the Department of Pharmacology. Successful candidates are expected to establish independent research programs that utilize contemporary techniques. The research areas of interest include, but are not limited to, receptor-mediated signal transduction, the cytokine network, and regulation of ion channels. Applicants must have completed postdoctoral research required. Candidates should submit their curriculum vitae, a brief statement of research interests and future plans, and the names of three references to: Dr. Daniel Goldberg, Search Committee, Department of Pharmacology, Columbia University, 630 West 168th Street, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.

The Department of Biology at Illinois Wesleyan University has a tenure-track opening at the ASSISTANT PROFESSOR level in Molecular Genetics. The candidate is expected to have a Ph.D. in molecular biology and an interest in research involving cell biology, development, and comparative genomics. The successful candidate is expected to have a publication record and must demonstrate the potential to establish an independent research program. Applications are especially encouraged from women and minority candidates. To apply, please send a letter of application, curriculum vitae, and three letters of recommendation to: Brian H. Craske, Department of Biology, Illinois Wesleyan University, Bloomington, IL 61702-2900. Consideration of applications will begin on November 1, 1996 and continue until the position is filled. Illinois Wesleyan has an Equal Opportunity/Affirmative Action Employer.

Assistant Professor

Eastern Oregon State College seeks to fill a position in biology at the ASSISTANT PROFESSOR level. The successful candidate will teach human anatomy and physiology, histology, and general biology. Applications are especially encouraged from women and minority candidates. To apply, send a letter of application, curriculum vitae, and three letters of recommendation to: President, Eastern Oregon State College, La Grande, OR 97850-2899. Deadline: November 30, 1996. EOE M/F/H.

Assistant Associate Professor

Applications are invited for a two-year appointment. The candidate will be responsible for teaching, conducting research with reference to the new faculty position, serving on various committees, working effectively with predominantly minority students, and participating in ongoing departmental recruitment efforts. The candidate must have a Ph.D. in a relevant discipline. The initial term is two years, the renewal to be based on program effectiveness. The annual salary is $28,000. Please send a letter of application, curriculum vitae, and the names and addresses of three references to: Dr. John Rinehart, Chair, Search Committee, Idaho State University, Pocatello, ID 83209-6005. The Idaho State University is an Equal Opportunity/Affirmative Action Employer.

Assistant Professor—Biology

The Department of Biology at Eastern Oregon State College invites applications for the position of Assistant Professor. The successful candidate will be expected to participate in the university’s dual enrollment program, which serves high school students. The candidate should have a Ph.D. in biology, with a strong research background. The annual salary is $30,000. Please send a letter of application, curriculum vitae, and the names and addresses of three references to: Dr. Roger L. Johnson, Chair, Search Committee, Biological Sciences, Eastern Oregon State College, Dechutes-Deschutes Lake, OR 97739. The Oregon State University is an Equal Opportunity/Affirmative Action Employer.

Assistant Associate Professor—Biology

The Department of Biology at Oklahoma State University invites applications for the position of Assistant Associate Professor. The successful candidate will be expected to participate in the university’s dual enrollment program, which serves high school students. The candidate should have a Ph.D. in biology, with a strong research background. The annual salary is $30,000. Please send a letter of application, curriculum vitae, and the names and addresses of three references to: Dr. Roger L. Johnson, Chair, Search Committee, Biological Sciences, Eastern Oregon State College, Dechutes-Deschutes Lake, OR 97739. The Oregon State University is an Equal Opportunity/Affirmative Action Employer.

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Assistant Professor—Biology

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THE UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
An Initiative In Molecular, Cellular, and Physiological Biology
Three Positions at the Assistant, Associate, or Full Professor Level

These positions represent the first in a series of hires to be made during the next five years.

Developmental Biology (Position #1)
The Department of Cell and Structural Biology encourages scientists with interests in the molecular, cellular, and genetic basis of development to apply. The successful applicant will join a young, developing department with groups studying development in Drosophila, C. elegans, Xenopus, chick, and mouse model systems.

Microbial Diversity (Position #2)
The Department of Microbiology invites applicants with research interests in the physiology, biochemistry, or molecular genetics of prokaryotic microorganisms that further expand the Department's breadth of microbial diversity to apply. Extensive interdepartmental interactions exist in microbial and eukaryotic cell and molecular biology, immunology, developmental biology, evolution, biochemistry, and biophysics.

Physiology (Position #3)
The Department of Molecular and Integrative Physiology invites applicants with interests in integrative physiological issues, especially adaptational physiology, who also have a good command of diverse modern biological approaches, including molecular techniques, to apply. The appointee will join a strong department with broad interests and expertise in molecular, cellular, and systems/integrative physiology.

All three positions are full-time, tenure track. The starting date for all positions is August 1997. The successful candidates, at the Assistant Professor level, are expected to develop a vigorous and independently funded research program. A Ph.D. with postdoctoral experience is required. Applicants with qualifications that merit higher level appointments will also be considered but such appointments will require evidence of outstanding research accomplishments including extramural funding and national recognition. Applicants at all levels would be expected to contribute to undergraduate/graduate teaching. Substantial start-up funds and laboratory facilities will be provided. Salary commensurate with experience. Applicants should submit a statement describing their research interests and plans, curriculum vitae, and list of publications, and should arrange for three letters of reference to be sent to:

Position #: ---
Ann Zielinski, Search Coordinator
B107 Chemical & Life Sciences Laboratory
601 S. Goodwin Ave.
Urbana, IL 61801
(217) 333-4469

(Please indicate position number in cover letter as well.)

To ensure full consideration, applications should be received by December 1, 1996. Interviews may be conducted before the closing date, but no final decisions will be made before that time.

The University of Illinois at Urbana-Champaign offers an outstanding and exciting academic research environment including a Biotechnology Center providing subsidized state-of-the-art services in: hybridoma production, DNA and peptide synthesis, DNA sequencing, flow cytometry, electron microscopy, X-ray crystallography, and computer analyses.

The University of Illinois is an Affirmative Action, Equal Opportunity Employer.

DEKALB Genetics Corporation
Research Associate

DEKALB Genetics Corporation is an international researcher, producer, and marketer of agricultural seed. Product research and development are the foundation of our business.

DNA Markers Group seeks a well-organized scientist with experience in the development and implementation of high throughput assays. The successful candidate will assist in the development of a high throughput DNA marker system.

All applicants should have an M.S. in biological sciences and be well-versed in molecular biology techniques with experience operating robotic liquid handling devices. Knowledge in genetic analyses is preferred.

The successful candidate will be located at DEKALB’s biotechnology research facility in Mystic, CT. DEKALB offers competitive compensation, an attractive benefits package, and an outstanding working environment.

Send resume and the names, addresses, and phone numbers of three professional references to Human Resources, DEKALB Genetics Corporation, 62 Maritime Drive, Mystic, CT 06355-1958.
NEUROSCIENCE/MRI FACULTY POSITIONS
University of Kentucky Medical Center

The Department of Anatomy and Neurobiology and the Sanders Brown Center on Aging invite applications for two tenure-track positions in neuroscience with an emphasis on using magnetic resonance imaging (MRI) or spectroscopy. These positions are at the assistant or associate professor level, depending on experience and qualifications. Successful candidates will show exceptional promise for establishing independent, research-oriented programs in the areas of stroke, aging of the nervous system, and/or neurodegenerative diseases. The Research MRI Center has a research dedicated 1.5 T Siemens VISION unit with high performance gradient and a 1.5 T GE Signa 4.7 T Varian Imaging/Spectroscopy system. Applicants should have a Ph.D. or M.D., or equivalent degree. Applications should be made at the assistant or associate professor level, and the names and addresses of three references should be sent to: Dr. Robert B. Brown, Chair, Search Committee, Department of Anatomy and Neurobiology, Sanders Brown Center on Aging, University Medical Center M1224, Lexington, KY 40536-0084. The University of Kentucky is an Equal Opportunity Employer.

FACULTY POSITION
Biochemistry and Biophysics
University of California, San Francisco

The Department of Biochemistry and Biophysics, University of California, San Francisco, offers a tenure-track ASSISTANT PROFESSOR position. The Department is working in modern biology, including cell biology, development, biological structure, genetics, and biochemistry. Applicants working in modern biology, including cell biology, development, biological structure, genetics, and biochemistry will be considered. Candidates should have a Ph.D. or M.D. and be expected to establish a research program and to be a top quality teacher in graduate/professional school courses. By October 30, 1996, submit a curriculum vitae, summary of research accomplishments, statement of research plans, major publications, and a letter of recommendation from a colleague. Women and minorities are encouraged to apply.

Animal Physiologist, ASSISTANT PROFESSOR, tenure-track, anticipated fall 1997, to teach human physiology and an advanced upper-level physiology course and contribute to introductory biology. Ph.D. required. Teaching and postdoctoral research experience desirable. Successful candidate will participate in undergraduate courses in development of teaching and research opportunities, and will contribute to this effort. Applications are especially encouraged from candidates whose research focuses on developmental biology using a variety of techniques. Candidates will be contacted as a joint appointment for dual-career couples. Please forward a letter of application with curriculum vitae, transcripts, statement of teaching and research interests, and representative publications by November 8, 1996 and arrange to have three letters of recommendation sent as quickly as possible to: Dr. Barbara Hoopes, Chair, Search Committee, Department of Biology, Colgate University, Hamilton, NY 13346-1398. Women and minorities are especially encouraged to apply. Colgate University is an Equal Opportunity/Affirmative Action Employer.

DEVELOPMENTAL MOLECULAR BIOLOGIST
Tenure-track ASSISTANT PROFESSOR position starting July 1997. Ph.D. required. Teaching and postdoctoral research experience desirable. Successful candidate will participate in undergraduate courses in development of teaching and research opportunities, and will contribute to this effort. Applications are especially encouraged from candidates whose research focuses on developmental biology using a variety of techniques. Candidates will be contacted as a joint appointment for dual-career couples. Please forward a letter of application with curriculum vitae, transcripts, statement of teaching and research interests, and representative publications by November 8, 1996 and arrange to have three letters of recommendation sent as quickly as possible to: Dr. Barbara Hoopes, Chair, Search Committee, Department of Biology, Colgate University, Hamilton, NY 13346-1398. Women and minorities are especially encouraged to apply. Colgate University is an Equal Opportunity/Affirmative Action Employer.
The Van Andel Institute
Director of Nutrition Research Institute

The Van Andel Nutrition Research Institute invites applications for the position of Director of an Institute based on "nutrient influence on gene expression." The Director should be an active researcher with the leadership skills to recruit and interact with a team of five to ten senior researchers.

State of the Art Facilities — Guaranteed Multimillion Dollar Operational Budget

University Appointment — Excellent Compensation and Benefits

VANRI will provide funds for personal and laboratory relocation expenses

For confidential consideration, please submit your C.V. and a letter stating the reasons for your interest in leading this Institute.

Van Andel Research Institute (VANRI)
201 Monroe Ave., N.W., Suite 400
Grand Rapids, MI 49503
Tel: 616-235-8242
Fax: 616-235-8245

Tenure Track Computer Science Faculty Coordinator for Computer Concepts and Uses

Salem State College is seeking to fill a tenure track position in Computer Science for the fall of 1997. Responsibilities include coordination, development and teaching of computer concepts and uses; and computer-related service level courses; network administration; and advising students. Required qualifications include an earned doctorate (ABD considered); experience teaching college level computer concepts and uses courses and service-level computer-related courses; experience in curriculum development in the areas of (a) computer concepts and uses, and (b) computer-based training at the college level. Preferred are a doctorate in Computer Education and/or formal computer science course work; extensive academic and/or industrial experience in stated disciplines and in network design and management (ideally in an academic environment); experience in coordinating multi-section, multi-instructor courses. All faculty are expected to serve as role models and mentors for a diverse student body. Preferred are persons with experience in and commitment to working in a multicultural, multiracial environment with students of diverse backgrounds and learning styles. Salary is competitive and commensurate with education and experience. Position is advertised pending funding. Application review will begin December 1, 1996. Please send applications immediately.

To apply, send letter of application specifying department and position for which you are applying, resume, appropriate transcripts and three letters of reference to: Office of Equal Opportunity and Human Rights, Salem State College, 352 Lafayette St., Salem, MA 01970.

If applying for more than one position, a separate package must be submitted for each. Single applications for more than one position will not be considered.

SALEM STATE COLLEGE IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER. PERSONS OF COLOR, WOMEN AND PERSONS WITH DISABILITIES ARE STRONGLY URGED TO APPLY.

FACULTY POSITION IN BIOCHEMISTRY AND MOLECULAR BIOLOGY
THE UNIVERSITY OF CHICAGO

The Department of Biochemistry and Molecular Biology at The University of Chicago invites applications and nominations for a tenure-track position at the rank of Assistant Professor. We seek candidates with a record of outstanding research and a strong potential to build an effective research program in the structure and function of proteins and nucleic acids or macromolecular assemblies. Those who anticipate using the Advanced Photon Source at Argonne National Laboratory are especially encouraged to apply. Successful candidates will be expected to teach in our departmental program. Applications should include a complete curriculum vitae, a full list of publications, a summary of past research, a plan for future research, and letters of reference from at least three individuals who know the candidate's work well. Please submit complete applications and nominations by December 15, 1996 to:

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

The University of Chicago is an Affirmative Action/Equal Opportunity Employer.
UNIVERSITY OF LOUISVILLE

Dean of the College of Arts and Sciences
The University of Louisville seeks applications and nominations for the position of Dean of the College of Arts and Sciences. As a state university in Kentucky's largest city, the University of Louisville offers graduate, baccalaureate, and associate degrees in over 170 fields of study through 13 schools and colleges. The University currently enrolls 22,000 students, 10,000 of whom matriculate in the College of Arts and Sciences.

Providing a comprehensive liberal arts education, the College of Arts and Sciences includes 20 departments in the core academic disciplines, as well as a variety of interdisciplinary programs offered through the Division of Humanities, the Division of Social Sciences and the Division of Natural Sciences. With a full-time faculty of 300, the College offers 42 undergraduate major programs and 31 graduate degrees.

The Dean is the Chief Academic and Administrative Officer of the College of Arts and Sciences and reports directly to the Provost. The Dean ensures the academic integrity of all educational programs, encourages excellence in teaching, fosters research, creative professional activity and collegiality, oversees the fiscal well-being of the unit, and is responsible for alumni relations and the solicitation of major gifts for the College.

Candidates must qualify for a tenured appointment in one of the disciplines within the College and possess prior administrative experience as well as a record of significant achievement in teaching and professional activity. Commitment to academic excellence in the context of innovative efforts to meet the challenges and opportunities of higher education in an urban center is essential. The University of Louisville is an equal opportunity, affirmative action employer. Women and minorities are especially encouraged to apply.

Applications are requested by December 15, 1996. Review of applications will begin immediately with a goal of campus visits for the finalists in late February 1997. The appointment will be effective July 1997. Applications should include a letter of interest, providing information about the candidate's qualifications and vision for the College, a resume, as well as names and addresses of 6 individuals willing to provide references. Please send applications to:

Professor Mary Hawksworth, Chair
Arts and Sciences Dean Search Committee
c/o Office of the Provost
University of Louisville
Louisville, KY 40292

EMINENT SCHOLAR — ENDOWED CHAIR
Associate Director: Institute of Molecular Medicine and Genetics, Medical College of Georgia.

The Institute of Molecular Medicine is a newly formed component of the Medical College of Georgia. It has the mission of developing an integrated program that particularly emphasizes research in cell signaling, molecular immunology, gene regulation, and developmental biology. A program in neuro-oncology is under development in conjunction with the division of Neurosurgery. The Institute occupies a new 80,000 square foot research building that is fully equipped for modern medical research. Institute resources include transgenic mouse and zebrafish facilities; a molecular biology core; video imaging with both confocal and electron microscopy; and cytometry. Additional facilities, including a monoclonal antibody production core, are available on the University of Georgia at Athens campus.

The Medical College of Georgia is now seeking an Associate Director who will assume a major leadership position in the Institute as well as pursue an independent research program. Substantial resources have been reserved to support this latter program. This position is at the academic rank of Professor and is supported by a fully endowed chair for an Eminent Scholar. Priority will be given to applicants who can relate basic research to clinical problems and, therefore, an M.D. or M.D./Ph.D. degree(s) will be a definite asset, but not an absolute requirement.

Reply with CV, letter of interest, description of research and teaching activities to:
Howard Rasmussen, M.D., Ph.D., Chair
Search Committee, Institute of Molecular Medicine and Genetics, Medical College of Georgia, Augusta, GA 30912-2697. The Medical College of Georgia is an affirmative action, equal opportunity employer. We invite applications or nominations of women and racial minorities.

Dean, College of Ocean and Fishery Sciences
UNIVERSITY OF WASHINGTON
Applications and nominations are invited for the position of Dean, College of Ocean and Fishery Sciences. The University of Washington is the largest public university in the northwest region, with an orientation toward undergraduate and graduate education and research. The College of Ocean and Fishery Sciences comprises five of the major units of the University in the marine and fresh water sciences. These include the Schools of Fisheries, Oceanography and Marine Affairs, the Applied Physics Laboratory, and the Washington Sea Grant Program. The College is one of the largest of its kind in the United States. In 1996, it had an enrollment of 190 undergraduate and 270 graduate students, a faculty of 190, and a total research and instruction budget of $42 million. As a part of its teaching and research mission, the College manages UNOLS research vessels, maintains several freshwater and marine research facilities, and is planning construction of major new buildings for Oceanography and Fisheries to be completed by 2000. The College also anticipates a growing role in the expansion of the University's undergraduate environmental education program.

Desired qualifications of the Dean include an earned doctorate, an established reputation as a basic or applied scientist, a strong commitment to teaching, and proven skills in leading a complex multidisciplinary organization. The Dean should also be able to represent the College to a variety of professional and community organizations. Salary is open and negotiable.

Deadline for nominations and applications: December 15, 1996
Anticipated starting date: July 1, 1997
Nominations or applications with resumes should be sent to:
Dean Allen D. Glenn, Chair, Advisory Committee
Dean of the College of Ocean and Fishery Sciences
University of Washington
222 Miller Hall, Box 353600
Seattle, Washington 98195-3600

Attention: Ms. Maggie Patterson

The University of Washington is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. The University is an Equal Opportunity/Affirmative Action employer.

Department of Molecular Microbiology and Immunology
BROWN UNIVERSITY
FACULTY POSITION IN IMMUNOLOGY
A full-time faculty position is open for an Assistant Professor (tenure-track) with research interests in immunology, using mouse models, to study immune responses to microbial infections in vivo and/or in vivo lymphocyte development and function. Final selection will be based on the candidate's qualifications and vision for the College, a resume, as well as names and addresses of 6 individuals willing to provide references. Please send applications to:
Professor Mary Hawksworth, Chair
Arts and Sciences Dean Search Committee
c/o Office of the Provost
University of Louisville
Louisville, KY 40292

We encourage qualified women and minority candidates.
Brown University is an equal opportunity/affirmative action employer.
NEW BASIC SCIENCE POSITION
UNIVERSITY OF SOUTHERN CALIFORNIA
A SEARCH FOR AN ASSISTANT OR ASSOCIATE PROFESSOR SPONSORED BY THE DEPARTMENT OF ORTHOPEDIC SURGERY

The Institute for Genetic Medicine and the Department of Orthopedic Surgery are seeking candidates with special research interests in molecular biology and genetics as they relate to human disease to develop an independent research program. The successful candidate will have a joint appointment in an appropriate basic science department of the School of Medicine. Candidates with a wide range of interests will be considered, including research activities involving development of models for human genetic disease, development of gene transfer vehicles including viruses and genetically engineered cells, and the molecular genetics and biology of stem cells and cytokines. Candidates whose research interests relate to problems of bone infection, inflammation, growth, or regeneration will be given special consideration. Clinically based or translational research could be an important component of the candidate's research program. The faculty appointee must have a Ph.D. or M.D. degree and will be expected to interact with orthopedic surgical faculty and fellows in addition to developing an independent research program and participating in both medical and graduate student teaching programs. Faculty members will be housed within the new Institute for Genetic Medicine research facility. Candidates eligible for an associate professorial appointment should demonstrate evidence of sustained extramural funding.

The University of Southern California and its Medical School have made a major commitment to building a program in gene therapy and genetic medicine. The faculty members will play a major role in defining the future expansion of the Institute for Genetic Medicine.

Candidates should send their curriculum vitae and bibliography and a statement of research and teaching interests, including a description of how their activities would interface with an orthopedic surgery research program. Send these materials and arrange to have three letters of reference sent to Laurence H. Kedes, M.D., Executive Director, Institute for Genetic Medicine, University of Southern California, 2011 Zonal Avenue, HMR413, Los Angeles, CA 90033.

Developmental Neurobiology Position at PENN

Applications are invited for a tenure track faculty position in the area of Developmental Neurobiology at the University of Pennsylvania School of Medicine. Promising researchers using vertebrate systems to study inductive or trophic interactions, pattern formation, cell fate determination, synaptic specificity, or any other fundamental developmental process in the nervous system are encouraged to apply. Generous startup funds are available. Candidates must hold the M.D., Ph.D., or both degrees. The appointment will be made in the Department of Neuroscience or Neurology, as appropriate. Applicants should send a CV, a brief statement of research interests, and have at least two letters of recommendation sent to:

Chair/Developmental Neurobiology Search Committee
215 Stemmier Hall
Philadelphia, PA 19104-6074

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER
WOMEN AND MINORITIES ARE ENCOURAGED TO APPLY.
LABORATORY SUPERVISOR
MOLECULAR DIAGNOSTICS

The Department of Pathology/Clinical Laboratories at Duke University Medical Center and Health System is currently seeking candidates for the position of laboratory SUPERVISOR, Molecular Diagnostics. The successful candidate will hold a Ph.D. degree in a clinical laboratory science or basic science, and will have a background in the application of molecular diagnostics principles to test development and implementation in clinical laboratory settings.

The laboratory supervisor will be responsible for the ongoing clinical laboratory operations and will work with faculty in new test development. Applicants should have a solid base in molecular diagnostics and be certified in clinical laboratory science by a nationally recognized agency or have experience working in a molecular diagnostic laboratory.

Applicants should submit current curriculum vitae with names and addresses of four references to: Laboratory Supervisor Search, Gordon C. Edwards, Ph.D., Executive Director, Clinical Laboratories, Department of Pathology, Duke University Medical Center and Health System, Durham, NC 27710. Duke University is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE
UNIVERSITY OF VIRGINIA
Experimental High Energy Physics

The University of Virginia High Energy Physics group is seeking qualified applicants for a RESEARCH ASSOCIATE position to work on the physics of CP violation. In the short term, this work will focus on the KTEV experiment at Fermi National Accelerator Laboratory, and, on a longer timeline, on the LHC experiments at CERN. This position is now open. The successful candidate is expected to play an important role in the KTEV experiment, including the search for CP violation in the kaon sector and the measurement of CP violation in the more massive hadron sector. The position may also include work on the LHC experiments and the future of KTEV.

Applicants are encouraged to apply for both positions. Please send a CV and names of three references to: COX@UVAHEP, physics.virginia.edu.

CHIEF, SCIENTIFIC REVIEW OFFICE
National Institute on Aging, GS 601-602.5

The National Institute on Aging (NIA), National Institutes of Health (NIH), Public Health Service, is seeking a CHIEF for the Scientific Review Office (GS 601/602.5, $73,486 to $95,381). Applicants are invited from candidates with demonstrated strong scientific, management, and administrative skills. Experience with peer review of health research grant applications is essential. Breadth of knowledge, principles, and practices related to the scientific fields of aging research is desirable.

U.S. citizenship is required. Send a résumé and/or the Optional Application Form (OF-122) or the Federal Employment (SF-171) to: Christine Hartz, NIA Personnel Office, Building 31, Room 2C01, 31 Center Drive MSC 2292, Bethesda, MD 20892-2292, Telephone: 301-496-5347. To receive a faxed copy of the complete vacancy announcement, call 1-800-728-5627, ID Number 1215.

NIH is an Equal Opportunity Employer.
Pharmacopeia is a dynamic biopharmaceutical company that applies novel encoding technology to chemical combinatorial synthesis enabling production of large and diverse libraries of low molecular weight chemical compounds for use in drug screening and optimization programs. Pharmacopeia has exciting research opportunities in our expanding company for:

**BIOLOGISTS**
Seeking PhD level Molecular Biologists, Biochemists, Enzymologists, and Cell Biologists. Candidates should have at least 3 years of post-doctoral experience and a strong commitment to independent research. Experience in ion channel receptors, intracellular signal transduction and implementation of high-throughput screens particularly desired.

**SYNTHETIC/BIOCONJUGATE CHEMIST**
Seeking a PhD level organic chemist with experience in multistep synthesis. Candidates should have post-doctoral experience and a strong commitment to innovative research at the interface between chemistry and biology. Experience with using fluorescent molecules to label biologically-active receptor ligands and enzyme substrates is particularly desirable.

Pharmacopeia is located in Princeton, NJ, an area known for its excellent educational and cultural environment. We offer a highly competitive salary and benefits package including a stock option plan. Qualifed individuals should send a cover letter and resume to:

Pharmacopeia
Attn: Human Resources, Job Code B-I
101 College Road East, Princeton, NJ 08540
Fax: 609-452-2434

**UNIVERSITY OF WOODS HOLE**
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 month appointments with a stipend of $37,000 per year, a modest research budget and eligibility for group health insurance. Recipients are encouraged to pursue their own research interest in association with resident staff. Completed applications must be received by January 17, 1997 for the 1997-98 awards. Awards will be announced in March. Write for application forms to: Dean of Graduate Studies, MS #31 Woods Hole Oceanographic Institution Woods Hole, MA 02543-1541
Or call (508) 289-2219 or e-mail lcampbell@whoi.edu

**DEPARTMENT OF ENERGY**
**OFFICE OF HEALTH AND ENVIRONMENTAL RESEARCH**

Alexander Hollaender Distinguished Postdoctoral Fellowship Program

Research Opportunities in Energy-Related Life, Biomedical, and Environmental Sciences including Human Genome and Global Change

- Research in OHER-sponsored programs
- Tenable at various laboratories
- Stipends $37,500
- Doctoral degree received after April 30, 1995
- U.S. citizens or PRA eligible

Information and applications: Hollaender Postdoctoral Fellowships Education and Training Division Oak Ridge Institute for Science and Education P.O. Box 117 Oak Ridge, TN 37831-0117 (423) 576-9975

Deadline January 15, 1997

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Pharmacopeia

**Biology Faculty**

Salem State College is seeking to fill two tenure track positions and one temporary position in Biology for the fall of 1997. All faculty are expected to serve as role models and mentors for a diverse student body. Preferred are persons with experience in and/or commitment to working in a multicultural, multifaceted environment with students of diverse backgrounds and learning styles. Salary is competitive and commensurate with education and experience. Positions are advertised pending funding.

**Anatomy and Physiology (Tenure Track)** - Responsibilities include teaching general biology and courses in human anatomy and physiology for students in healthcare-related majors as well as non-majors; advising students interested in pursuing graduate degrees in such healthcare-related fields as physical therapy. Required qualifications include a Ph.D. in Biology, and two years of successful full-time college level teaching of both lectures and laboratories at an accredited institution. Preferred are two years of successful full-time college teaching in anatomy and physiology as well as general biology and experience advising students pursuing healthcare-related fields.

**Fish Biologist/Aquaculture (Tenure Track)** - Responsibilities include teaching general biology; developing upper division course(s) in fish biology (marine and freshwater) and marine vertebrate biology applicable to the Marine Biology concentration and Aquaculture programs; assisting in the development of new program(s) in Aquaculture; supervising independent projects by students in this area; advising students in any new Aquaculture program as well as existing Marine Biology program. Required qualifications include a Ph.D. in Biology or a related field and a minimum of two years of full-time successful college teaching of lectures and laboratories at an accredited institution. Preferred are two or more years of successful teaching of courses in general biology, fish biology and/or marine vertebrates, and aquaculture.

**Cell and Molecular (One year temporary position)** - Responsibilities include teaching general biology, developing upper division course(s) in molecular biology; assisting in possible development of new concentration in Cell and Molecular Biology; supervising independent projects by students in this area; and general student advising. Required qualifications include a Ph.D. in Biology or a related field; a minimum of two years of full-time successful college level teaching of lectures and laboratories at an accredited institution; and demonstrated experience using molecular biological techniques. Preferred are a minimum of two years of successful full-time college level teaching of courses in general biology, molecular and cell biology.

Application review will begin December 1, 1996. Please send applications immediately.

To apply, send letter of application specifying department and position for which you are applying, resume, appropriate transcripts and three letters of reference to: Office of Equal Opportunity and Human Rights, Salem State College, 352 Lafayette St., Salem, MA 01970.

If applying for more than one position, a separate package must be submitted for each. Single applications for more than one position will not be considered.

Salem State College is an Equal Opportunity/Affirmative Action Employer. Persons of color, women and persons with disabilities are strongly urged to apply.
POSTDOCTORAL MOLECULAR BIOLOGY POSITION

The position is available to study virologic and immunologic responses to human immunodeficiency virus in the SHARP Program, an NIH-supported training program at the University of Pittsburgh. Candidates should have a recent Ph.D. or equivalent, experience in molecular virology and/or immunology, and interest in studies of AIDS pathogenesis. Candidates must be American citizens or possess an immigrant visa. Send curriculum vitae and a letter of interest to: Charles R. Rinaldo, Ph.D., Director, SHARP Program, A-416 Crabtree Hall, University of Pittsburgh, Pittsburgh, PA 15261. FAX: 412-624-4953; Email: rinaldo@pitt.edu

POSTDOCTORAL RESEARCH ASSOCIATE

Candidates are sought by the Massachusetts General Hospital (MGH) Cancer Center to examine the function of neurofibromin. Applicants should have a background in molecular and cellular immunology with direct experience in recombinant DNA techniques, the study of lymphocyte activation, and the reconstitution of immunodeficient mice. Please send curriculum vitae and names and addresses of three referees to: Elin Woodger, MGH Cancer Center, Building 149, 135th Street, Charlestown, MA 02129-2060

POSTDOCTORAL POSITION

Available immediately to study molecular mechanisms of leukocyte chemoattractant receptor regulation. Experience in cellular/molecular biology is essential. Please send curriculum vitae and a statement of research interest to: Hydar Ali, Ph.D., Ralph Snyderman, M.D., Duke University Medical Center, Department of Medicine, Room 201C, MSRB II, Box 3680, Research Drive, Durham, NC 27710-3680. Email: mcdude@duke.edu. No applications will be accepted by an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

Applications are invited for one to two postdoctoral positions in the Laboratory of Neurosciences at the University of California, San Diego. Fellowship stipends are $27,000 per year, plus $1000 expenses. Beginning as early as January 1997, normally a one-year appointment. Projects involve the application of modern genetic and molecular techniques to understand the development, function and structure of the nervous system. Interested applicants should e-mail Dr. Mihai Okanoya at Mok@ucsd.edu. For further information, contact Dr. Mihai Okanoya, Laboratory of Neurosciences, UCSD, 9500 Gilman Drive, La Jolla, CA 92037. E-mail: mok@ucsd.edu

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POSTDOCTORAL POSITION IN SYSTEMATICS

Appropriate fields: anthropology, aquatic biology, botany, diatoms, entomology, geology, herpetology, ichthyology, invertebrate zoology, mammalogy, ornithology, and paleontology. Monthly stipend of $1800 for the first five years. Tax exempt. Applications should be received by 30 May 1996. Address: Barry Rich, Department of Biology, Stanford University, Stanford, CA 94305. Send a letter of application, a resume, and names of three references to Barry Rich.

THE NEUROSCIENCES INSTITUTE

We have postdoctoral positions available in the Institute for Brain Development. Current research projects focus on the development and function of synapses using molecular, cell biological, and fluorescence imaging techniques. Applications are encouraged from individuals with experience in molecular, cellular, and molecular biology. Send curriculum vitae, statement of research interests, and names of three references to Dr. Olaf Sporns, The Neurosciences Institute, 10604 John J. Hopkins Drive, San Diego, CA 92121. FAX: 619-626-2099.
POSTDOCTORAL POSITION

TPB and TAF

Structure-Function Studies

An NIH-funded POSTDOCTORAL POSITION is available to examine the role of the TATA-Box Binding Protein TPB and its associated factors (TAFs) in transcription initiation complex formation in Saccharomyces cerevisiae (see J. Biol. Chem., 269:23135; 269:28335; Proc. Natl. Acad. Sci. USA, 92:8224; Biochemistry, 34:8005; Nature, 383:188). We are currently using a combination of biochemical, genetic, and biophysical methods to study the interactions of these proteins with TPB, DNA, and other transcription factors. Interested parties should send a curriculum vitae and arrange to have three letters of reference sent directly to:

Dr. Tony Weil
Department of Molecular Physiology and Biophysics
Vanderbilt University School of Medicine
Nashville, TN 37232-0615
FAX: 615-322-7236
Email: tony.well@mcmail.vanderbilt.edu

Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE

The University of Florida Department of Biochemistry and Molecular Biology has a postdoctoral training position with a research affiliation to the laboratory of Professor Leonard Gortner. The laboratory is studying roles of glutamine amide transfer enzymes. This position will conduct independent research on the mechanism of asparagine synthetase. The research must include experience in the kinetics of multisubstrate enzymes, data analysis techniques, protein purification, protein blotting, and column chromatography. Basic molecular biology skills including PCR, DNA sequencing, and gene expression would be desirable.

Send curriculum vitae, statement of interest, and three letters of recommendation to: Sheldon M. Schugar, Professor and Program Director, ICBR, University of Florida, Box 110580, Gainesville, FL 32611-0580.

POSTDOCTORAL POSITION

Growth Factor Signal Transduction

POSTDOCTORAL RESEARCH FELLOW position immediately available. Candidates should have a Ph.D. and/or M.D. and a strong background in molecular and cellular biology. Experience preferred in studying the mechanisms of PDGF-stimulated transcription of immediate-early genes (see MCB, 12:5288; MCB, 15:315; JBC, 271:17417). Projects involve gene cloning, DNA transfections, and RNA amplification. Send curriculum vitae, summary of research experience, and names and telephone numbers of three references to: Dr. Robert Froster, M.D., Ph.D., Department of Microbiology, Room 8-512, 630 West 168th Street, New York, NY 10032. Affirmative Action/Equal Employment Opportunity.

POSTDOCTORAL POSITIONS

Endocrine Transgenic Mouse Research

POSTDOCTORAL positions are available immediately in the Departments of Physiology and Biochemistry to work on transgenic mice that overexpress IGFBP 1 and/or IGFBP-3 knockout mice and expression of estrogen receptor variants in transgenic mice. Applicants should have a Ph.D., M.D., or equivalent and experience in molecular biology. Preference will be given to applicants with previous research experience in the IGF or estrogen receptor field. Suitable candidates should send their curriculum vitae to: Dr. L. Murphy, University of Manitoba, Department of Physiology, Room 455, 730 William Avenue, Winnipeg, Manitoba R3E 3T7, Canada. FAX: 204-774-7751.

POSTDOCTORAL POSITION available for basic experimental work on the protein folding problem. Research involves investigating conformational preferences of amino acids to form a functional protein in a functionally active form in a solvent. Starting date is after November 15, 1996, and is flexible. Ph.D. required; experience with beta structures, circular dichroism, and computers desirable. For full consideration apply by November 15, 1996; position shall remain open until filled. Send curriculum vitae and arrange for three letters of reference to be sent to: Prof. W. Curtis Johnson, Biochemistry and Biophysics, 2011 ALS Building, Oregon State University, Corvallis, OR 97331-7305. Telephone: 541-737-4511. Oregon State University is an Affirmative Action/Equal Employment Opportunity Employer and is responsive to dual-career needs.

POSTDOCTORAL FELLOWSHIP in molecular biology available immediately for work on signal transduction and protein chemistry of bone cells involving MAP kinase. Salary and benefits competitive. Send letter of interest, curriculum vitae, and names and addresses of three references to: Dr. Lan, Min. Met. Lab., P.O. Box 7210, Loma Linda, CA 92354.
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BUILD YOUR OWN ELISA
WITH MATCHED ANTIBODY PAIRS

R&D Systems is pleased to introduce matched antibody pairs for construction of two-site immunoassays. Each pair has been tested for its ability to "sandwich" successfully. The capture antibody is usually a monoclonal antibody. The detection antibody is an antigen-affinity purified goat polyclonal. Both antibodies are purified and tested in the same strict standards as all R&D Systems' reagents.

MONOCLONAL ANTIBODY

Our monoclonal antibodies are purified by protein A affinity chromatography. Many are also suitable for neutralization of bioactivity and western blot applications.

PAIRS ARE AVAILABLE FOR THE FOLLOWING HUMAN ANALYTES

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LIMITATIONS

A basic understanding of immunoassay development is required for the successful use of these reagents in immunoassays. The protocol provided is for demonstration purposes only. The type of enzyme and substrate and the concentrations of capture/detection antibodies used can be varied to create an immunoassay with different sensitivity and dynamic range.

BIOTINYLATED POLyclonal ANTIBODY

Our polyclonal antibodies are antigen affinity purified and biotin conjugated. These antibodies contain little or no non-specific immunoglobulin. Many of our biotinylated antibodies have been found to be suitable for western blot and immunohistochemistry applications.

For more information on our Matched Antibody Pairs or additional cytokine reagents, visit our website or telephone us.

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4-10 The Quadrant, Barton Lane
Abingdon, OX14 3YS, UK.
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LIMITATIONS