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MathType is an equation editing software product for Windows 95, 98, 2000, Me, NT, and XP that creates mathematical equations for documents. Users build equations by using templates and then filling in the slots. This version of MathType allows equations to be placed

in documents created by object linking and embedding (OLE) supporting applications. It also produces these equations as Windows metafiles (WMF), EncapsulatedPostScript (EPS), and Graphics Interchange Format (GIF) files. The equations may be converted to TeX, LaTeX, AMS-TeX, AMS-LaTeX, MathML 1.0, and MathML 2.0 code.

Upon entering the program, the user is greeted with a main screen containing the toolbar, the symbol palettes, the template palettes, and large and small tabbed bars. Further, these tabbed bars are conveniently grouped under headings such as algebra, derivatives, statistics, matrices, sets, trigonometry, and geometry. By pressing the appropriate tab, the user can access a number of standard mathematical symbols complete with appropriate subscripts and superscripts. For example, the statistics tab contains not only the commonly encountered summation series representations, but also the often-used general formula for testing the difference of means. Each of these automatic symbols can be edited and, thus, they are capable of any customization. The symbol palettes are even more complete and offer a wide range of the most frequently encountered notations. Each choice in the palette represents a class of symbols; e.g., the integral button, when pressed, reveals 27 types of single, double, and triple integrals with and without limits of integration and closed surface integrals. The toolbar may be floated, docked, or hidden altogether, and even the button size is adjustable.

Users create equations on the main screen, which contains a blank spot with a blinking insertion point. At this position, a user clicks a button to insert a pre-programmed symbol or begins typing in the expression from the keyboard. Errors are erased with the backspace or delete key, depending on position. Pressing "enter" starts a new line. MathType precisely determines the correct spacing of items in equations, freeing the user of the frustration of manually attempting to do this. A Text feature is also available for the insertion of text with standard spacing into the equation. Keyboard shortcuts and customizable buttons speed the creation of equations. Tutorials in the manual help introduce users to basic functions of constructing equations, creating Web pages, and using fonts and styles.

Probably the most important new feature of this version is the ability to create Web pages from Word documents containing equations. This is especially handy in conjunction with MathType's new MathZoom feature that can be used to enlarge hard-to-read features. On the wish list for future versions would be access to more standard formulas, such as those for the distributions of common statistics. Fortunately, these can be created by users in the current version and saved for future use.

—John A. Wass

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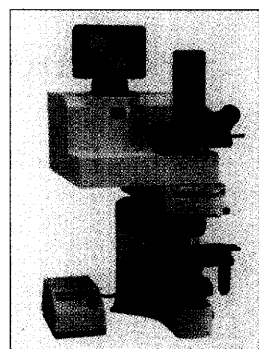
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CONTINUED ON PAGE 875

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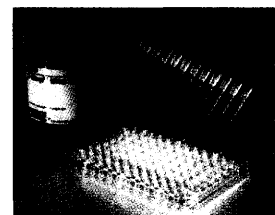
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Faculty Positions

Growing Opportunities in the Biosciences BY MIKE MAY



GENOME SEQUENCING AND RELATED TECHNIQUES IGNITE GROWTH IN RESEARCH AND ALSO CREATE MORE FACULTY POSITIONS. THIS ARTICLE PROVIDES AN OVERVIEW OF THE ACADEMIC JOB MARKET AND HELPFUL HINTS FROM THREE FACULTY MEMBERS AT MAJOR RESEARCH UNIVERSITIES.

From the beginning of graduate school, many students dream of capturing the right faculty position. At the same time, students also see how competitive such jobs can be. The most successful job candidates carry impressive credentials—from where they did postdoctoral work to a list of renowned journals that publish their research. The question is: How do you get hired? As this article will explain, outstanding research, a flexible arsenal of techniques, and meeting the right people along the way can lead you to a great job. Fortunately, new techniques in bioscience are increasing the number of faculty positions at many universities.

In large part, getting the best faculty position that you can demands work. That work revolves around your research, as well as other areas. For example, you should work at landing a prestigious postdoctoral position. You should also expand your capabilities—learning new techniques at every opportunity. You can even work to generate a wide network of acquaintances in science. With such efforts, you could lead the pack on a short list of your dreams.

To give you a better understanding of today's academic job market and how to enhance your odds of joining the faculty ranks, this article provides three inside perspectives. Read on, and you might find just the tip that you need.

AMES, Iowa: When asked about filling recent positions, Alan Myers, professor and chair in the Department of Biochemistry, Biophysics, and Molecular Biology at Iowa State University, said, "The number of applicants has been decreasing over the last three years." Although Myers doesn't know what is causing the decrease, he and his colleagues still expect very strong candidates. To make the short list, Myers prefers candidates with postdoctoral experience in a well-known laboratory and publications in the most highly regarded journals. He said, "Candidates who already have received competitive grants from a federal agency are particularly appealing." For minimum requirements, he pointed to postdoctoral experience, publications, and fundable research ideas. Despite the falling numbers of applicants, Myers said, "There are usually a lot of well-qualified people."

When Myers and his colleagues put on a search, the entire process takes about six months—from running advertisements to completing the details in a new faculty member's contract. Near the end, about

- **Iowa State University**
- **Pennsylvania State University**
- **University of California at Santa Barbara**

five candidates visit the campus to give two talks: One presentation is a research seminar, and the other is a discussion with faculty about research plans. Myers called the interview period a "grueling two days—full-time."

Interdisciplinary skills can enhance a candidate's potential. Myers said, "We seek faculty with expertise in a broad number of technical areas. Anyone who will be successful in the future will be taking an interdisciplinary approach." Myers also suggested that research programs investigating the molecular

mechanisms of biological function will be highly sought after over the next decade.

In the near future, Myers expects even more jobs for potential faculty members. He said, "I think the molecular biosciences will grow with new questions opening up." Nevertheless, he added: "Reduced public funding will impact universities that rely heavily on state funding." He pointed out severe state budget cuts in Iowa over the last two years. Then, he added: "So funds could be tight for a couple years. In my area, it is expensive to hire new people, because of the costly start-up packages that are required." He hopes for a revived market in about two to three years.

Someone interested in a faculty position can improve his or her odds of being competitive all along, Myers said, by seeking a postdoctoral lab with a history of publishing in high-impact journals. He also said, "Train yourself broadly, and be flexible in your approach to questions. Take what's out there and learn to exploit it."

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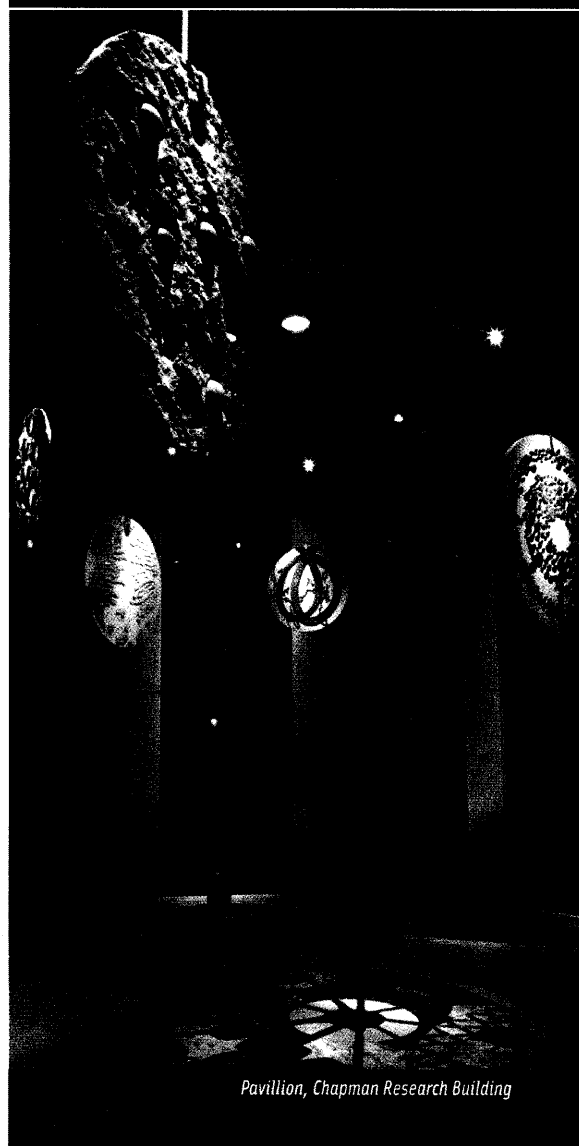
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tioned that search committees "pursue personal contacts that encourage highly qualified candidates to apply for a specific job." So you will benefit from going to meetings and getting your name in a wide collection of hats. In the end, though, your success will come down to reaching a single goal—excellence. Fedoroff said, "The first quality for getting hired is excellence. It is also the second and third most important quality."

UNIVERSITY PARK, Pennsylvania: Academia rarely rewards mediocrity. Nina Fedoroff, Willaman Professor of Life Sciences and director of the Life Sciences Consortium and the Biotechnology Institute at Pennsylvania State University, said, "We basically look for excellence—a wonderful publishing history, and a candidate who has been in excellent labs." She added, however, that the number of publications is not the only criterion. Search committees also look at the number of authors on papers, and the journals in which they were published.

In some cases, you could benefit from broad experience. Fedoroff said, "The Life Sciences Consortium is very supportive of interdisciplinary research." On the other hand, she added that some departments prefer individuals who can add depth in a very specific area. According to Fedoroff, though, doctoral and postdoctoral students should take a broad view of their future. She said, "There are other ways—beyond being a faculty member—to make a living with a Ph.D. I encourage doctoral and postdoctoral students to resist focusing only on being a faculty member."

When asked if job candidates should understand industry well enough to teach students the interpersonal skills that it demands, she said, "That's a tough one." Fedoroff and her colleagues recognize that some of their students will go to industry. Consequently, they provide experience that emphasizes interpersonal skills. Nevertheless, Fedoroff added: "We don't really expect such skills from biology faculty. I doubt that a marked emphasis on preparing students for industry has penetrated as far in the life sciences as it has in other disciplines, such as chemistry." She also doubted that a candidate's ability to train students in the interpersonal skills required in industry would impact a search committee's decision.

For those who are determined to find a faculty position, Fedoroff says the required skills have not changed. She encourages potential faculty members to generate outstanding work, be aggressive, and to network. The last skill can prove especially valuable. Fedoroff even men-



ALISON BUTLER

SANTA BARBARA, California: At the University of California at Santa Barbara (UCSB), a faculty job draws hundreds of applicants. To make it to the top of such a mountain of candidates, Alison Butler, professor of chemistry and biochemistry, expects "evidence of academic excellence at excellent institutions, and candidates who have worked with outstanding people and been productive." She also

indicated the value of selecting exciting research problems and being able to communicate your ideas.

Butler pointed out: "Often, the most exciting research ideas are in the interdisciplinary realm, while teaching can still be in fairly traditional areas, including inorganic and organic chemistry, biochemistry, and so on. But even these demarcations are changing, so developing breadth—or interdisciplinary capabilities—can be useful." Increasingly, Butler stated, faculty positions are interdisciplinary by nature, such as a faculty opening in biomaterials, metallobiochemistry, or bioinorganic chemistry.

Butler said, "UCSB has many more positions in biosciences and bioengineering than ever before." In fact, increasing biosciences is a campus priority for this university. Moreover, the upcoming jobs stretch across the country. For example, "Employment Outlook 2002" in the 12 November 2001 issue of *Chemical & Engineering News* stated: "From California to Massachusetts and Wisconsin to Texas, departments of chemistry, biochemistry, and chemical engineering are looking for junior faculty."

To get one of these jobs, Butler said, "You must be dedicated to your work, and love it." She also suggested "getting to know the leaders in your field by attending the smaller, more focused meetings, such as Gordon Research Conferences or NATO Advanced Study Institutes, which prove a great opportunity to discuss your research ideas. That is exactly what I did."

To be the best of the best, she suggested staying focused on something that really intrigues you. She said, "Today's funding opportunities are extremely diverse, and there is a lot of money in the system. Whatever research direction you take, believe in your work." Certainly, self-confidence will make you more competitive in every job market. Moreover, Butler could make most anyone pursue a faculty position, because she called it "the best job in the world." ■■■

For further valuable career features, go to sciencecareers.org, then click on **Advice and Perspectives**.

**University of Southern California
School of Dentistry**

ASSISTANT PROFESSOR - TENURE TRACK or ASSOCIATE PROFESSOR - TENURED

DIVISION OF SURGICAL THERAPEUTICS AND BIOENGINEERING SCIENCES

The newly established Division of Surgical Therapeutics and Bioengineering Sciences invites applications for tenured Associate Professor or tenure-track Assistant Professor faculty positions from individuals with expertise in the full scope of Oral and Maxillofacial Surgery. Applicants must be certified by the American Board of Oral and Maxillofacial Surgery and have documented experience in teaching at the clinical and academic levels. Applicants with post-doctoral fellowships (Trauma, Esthetic, Pathology, Orthognathic, Cancer, or Craniofacial) would be given additional consideration. Successful applicants will be expected to establish vigorous academic programs of high-quality research in basic science and clinical research and to complement existing research programs in the Schools of Dentistry and Medicine. The successful applicant will also be responsible for developing and teaching Oral & Maxillofacial Surgery related topics for pre-doctoral students. The successful applicant is expected to have or develop active extramurally funded research programs. Full-time faculty have a 12-month appointment and may have the privilege to consult or practice clinically one day per week. Salary is commensurate with qualifications based upon USCSD compensation schedules.

Interested applicants should send a cover letter, a complete curriculum vitae, samples of publications, statement of research interest and at least five letters of reference to: **Dean Harold Slavkin, University of Southern California School of Dentistry, 925 West 34th Street, DEN 203, Los Angeles, CA 90089-0641.** Consideration of applicants will begin in March 2002 and continue until the position(s) is filled.

ASSISTANT PROFESSOR - TENURE TRACK or ASSOCIATE PROFESSOR - TENURED

DIVISION OF SURGICAL THERAPEUTICS AND BIOENGINEERING SCIENCES

The newly established Division of Surgical Therapeutics and Bioengineering Sciences invites applications for tenured Associate Professor or tenure-track Assistant Professor faculty positions from individuals with expertise in oral, dental and cranio-facial diseases and disorders that require surgical therapeutic and bioengineering technologies. The candidate should have strong background in clinical research of oral medicine and therapeutics, oral mucosa immunology and/or oral infections and related systemic diseases and disorders. Successful applicants will be expected to establish vigorous academic programs of high-quality research in these fields to complement existing research programs in the Schools of Dentistry, Medicine and Engineering and be able to implement cross-disciplinary and multi-disciplinary approaches and skills to investigate these conditions. Several appointments are anticipated. The successful applicant will also be responsible for teaching pre-doctoral as well as postdoctoral dental and graduate students. The successful applicant is expected to have or develop active extramurally funded research programs. Full-time faculty have a 12 month appointment and may have the privilege to consult or practice clinical dentistry or medicine one day each week. Salary is commensurate with qualifications based upon USC School of Dentistry compensation schedules.

Interested applicants should send a cover letter, a complete curriculum vitae, samples of publications, statement of research interest and at least five letters of reference to: **Dean Harold Slavkin, University of Southern California School of Dentistry, 925 West 34th Street, DEN 203, Los Angeles, CA 90089-0641.** Consideration of applicants will begin in March 2002 and continue until the position(s) is filled.

USC is an equal opportunity/affirmative action employer. Minority and female applicants are encouraged to apply.



ASSISTANT PROFESSOR
Department of Pharmacology
University of California, San Diego

Department of Pharmacology of the University of California, San Diego invites applications for a tenure-track position at the Assistant Professor level. Applicants must hold a Ph.D., M.D., or M.D./Ph.D. degree. Candidates whose fields of interest include molecular specificity of therapeutic agents, cell signaling or pharmacogenomics will be given strongest consideration. Incoming faculty must be willing to teach pharmacology and therapeutics to professional students (M.D., Pharm.D.), mentor thesis studies of Ph.D. students and carry a scholarly and contemporary research program. Incumbent will be expected to conduct an extramurally funded research program involving graduate students and postdoctoral fellows, and participate in administrative functions of the department and the University. Candidates will be expected to show evidence of their potential through letters of recommendation and a publication record appropriate for their experience. Salary and appointment level will be commensurate with qualifications and experience, and based on published UC pay scales. **Closing Date for applications is April 30, 2002.** To apply, send a detailed resume, a short description of future research plans and copies of selected recent publications. Additionally, please provide names of at least three individuals who will write letters of recommendation and ask that they be sent immediately. Direct all materials to:

Chair, Search Committee (SC0202)
Department of Pharmacology
University of California, San Diego
9500 Gilman Drive, La Jolla, CA 92093-0636

UCSD is an Affirmative Action/Equal Opportunity Employer committed to excellence through diversity.

**FACULTY POSITIONS IN
STEM CELL BIOLOGY**

The Carl C. Icahn Institute for Gene Therapy and Molecular Medicine at the Mount Sinai School of Medicine invites applications for Tenure/Tenure-Track positions in stem cell biology. Applicants with expertise in any one of several stem cell systems including mesenchymal, hematopoietic, neuronal, pancreatic, hepatic, muscle as well as mouse and human ES cells will be considered. These position(s) represent a new initiative within the Institute aimed at consolidating a world-class research program in stem cell biology that will complement existing strengths in hematopoiesis, developmental biology, neurobiology, liver cell biology and cardiovascular research at the Mount Sinai School of Medicine. Successful candidates will be expected to establish outstanding independent research programs in focused aspects of stem cell biology. The candidate's ability to synergize with existing programs in the School of Medicine will be an important consideration in the selection process. The Mount Sinai School of Medicine offers a dynamic and rapidly growing research environment with state-of-the-art core facilities, including flow cytometry, confocal microscopy, microarray analysis, DNA sequencing and mouse genetics. In addition, the unique strength and commitment of Mount Sinai in translational research offers the long-term prospect of participating in clinical trials. Candidates must have a Ph.D. and/or M.D. degree, and at least 3 years of postdoctoral training or equivalent research experience.

Applicants should submit their CV, a statement of research interests and the names and addresses of three references to:

Gordon Keller, Ph.D.
Carl C. Icahn Institute for Gene Therapy and Molecular Medicine
Box 1496, Mount Sinai School of Medicine
New York, NY 10029



University of Pittsburgh

University of Pittsburgh Cancer Institute

Faculty Positions in Molecular and Cellular Oncology Research

Several new tenure-track faculty positions are available for investigators working on defining basic molecular mechanisms of the neoplastic process. Areas of interest for these positions include DNA damage repair and signaling pathways controlling genome stability, cell cycle control and growth, apoptosis, genomic analysis of tumorigenesis, chromatin structure, and studies of cancer-related pathways in model organisms.

The University of Pittsburgh Cancer Institute is a vigorous and cooperative environment of programs encompassing basic, translational, and clinical research. In July 2002, the Hillman Cancer Center will open as an integrated cancer research and care facility and will accommodate the research laboratories for these positions. Pittsburgh is a most livable city, with continual scientific growth and a thriving cultural scene.

This recruitment is focused at the Assistant Professor level, although a position at a more senior level may be available for an individual with an established research program. Candidates should have a Ph.D. or M.D. degree and postdoctoral experience. Please submit a CV with publication list, a short research proposal and contact information for 3 referees to:

Dr. Richard D. Wood
Leader, Molecular and Cellular Oncology Program,
University of Pittsburgh Cancer Institute
S867 Scaife Hall Box 100, 3550 Terrace Street
Pittsburgh, PA 15261
<http://www.upci.upmc.edu/>

Documents (preferably as a pdf file) can also be sent to R.D. Wood at: smithp4@msx.upmc.edu. Consideration of applications will begin 15 March 2002.

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

Pediatric Inflammatory Bowel Disease Research

The Wayne State University School of Medicine, Department of Pediatrics, in cooperation with the Children's Research Center of Michigan is seeking to recruit a faculty member at the Assistant, Associate, or Full Professor level who may be an M.D., M.D./Ph.D., or Ph.D. The available position is best suited for someone with a major research interest in chronic inflammatory bowel disease with a special emphasis on its genetics, immunology, or relationship to the enteric nervous system. A substantial start-up package is available for the selected individual.

The position is immediately available and will remain open until a suitable candidate is identified. Applications consisting of a letter of intent, career goals and Curriculum Vitae are to be sent to:

William D. Lyman, Ph.D.
Director, Children's Research Center of Michigan
Children's Hospital of Michigan
3901 Beaubien Boulevard
Detroit, MI 48201

Office Telephone Number: 313.745.2400
Facsimile Number: 313.745.0282
Cell Phone Number: 313.247.3336
Website Address: <http://www.crcm.med.wayne.edu>

*Wayne State University is an Affirmative Action/
Equal Opportunity Employer.*

ASSISTANT PROFESSOR/ HEAD OF VIROLOGY LABORATORY

One appointment to the tenure-track rank of Assistant Professor/Head of Laboratory will be made in the area of virology/immunology. The University is particularly interested in scientists working on host-pathogen interactions.

Applicants should submit a Curriculum Vitae (with publication list), a statement of current and future research interests (no longer than three pages) and arrange for five letters of reference to be sent directly to: **Office of Academic Affairs, The Rockefeller University, 1230 York Ave, Box 55, New York, NY 10021 USA.**



The Rockefeller University is an Affirmative Action/Equal Opportunity Employer. Further information about the research and educational programs of the Rockefeller University can be found on the internet at <http://www.rockefeller.edu/>.

EOE/AA Employer

Senior Faculty Position Department of Cell Biology and Winship Cancer Institute Emory University School of Medicine

Applications are being solicited from established investigators who are advancing the application of imaging technologies to basic biological problems related to cancer. A wide range of experimental approaches and model systems will be considered, ranging from molecular to organismal.

Generous financial resources are available to support the successful candidate's research program, including the establishment of the required imaging infrastructure, with laboratory space in the new Whitehead Research Building. The primary faculty appointment will be in the Department of Cell Biology (www.emory.edu/CELLBIO) with a joint appointment in the Winship Cancer Institute (www.winshipcancerinstitute.org).

Emory University is experiencing rapid growth in all academic programs, with particular emphasis in the biomedical sciences. The School of Medicine has attracted new leadership throughout all administrative and academic levels, and more than 70 new research faculty are being recruited. Emory is located in a beautiful residential neighborhood of Atlanta, within easy access to major cultural and recreational opportunities.

Please send a CV, including funding history, and most representative publications to: **Barry D. Shur, Ph.D., Candler Professor and Chair, Department of Cell Biology, 615 Michael Street, Atlanta, GA 30322.** The search will continue until the position is filled.

Emory University is an Equal Opportunity Employer.



**BIOMEDICAL MASS SPECTROMETRY
AT THE UNIVERSITY OF CALIFORNIA-SAN FRANCISCO**

The Department of Pharmaceutical Chemistry at UCSF invites applications from highly qualified individuals with research interests in the application of mass spectrometry to problems at the interface of chemistry and biology for a tenure-track position at the Assistant, Associate, or Full Professor level.

The candidate will establish a new and independent program in mass spectrometry, joining departmental faculty at the Mission Bay campus currently under construction. The position includes membership in the interdepartmental Graduate Program in Chemistry and Chemical Biology and the Herb Boyer Program in Biological Sciences at UCSF. Candidates should be interested in establishing a program of excellence in the use of mass spectrometry to solve contemporary problems in biology and medicine.

To apply please submit a curriculum vitae, a list of publications, and a brief outline of proposed research projects, and arrange to have three letters of recommendation sent to the search committee. Applications will be reviewed until the position is filled.

Materials should be sent to:
Mass Spectrometry Faculty Search Committee #P-88
Paul R. Ortiz de Montellano, Chair
Box 0446, S-926
University of California, San Francisco
San Francisco, CA 94143-0446.

UCSF is an affirmative action/equal opportunity employer. The University undertakes affirmative action to assure equal employment opportunity for underutilized minorities and women, for persons with disabilities and for Vietnam-era veterans and special disabled veterans.



**Mayo Clinic
Mayo Graduate School
Associate Dean for Faculty Development**

Mayo Graduate School seeks an innovative and creative professional educator to lead its effort to investigate and adapt new teaching modalities to the training of Ph.D. students in the biomedical sciences. This new position will be responsible for leading and working with faculty to study and implement technology-enhanced learning activities and to evaluate the efficacy of all curriculum components. This is a truly unique opportunity to study and advance the training of future biomedical scientists.

The successful candidate will have an education-related doctorate with demonstrated potential to apply education theory and methods to the unique environment of laboratory research training. Alternatively, candidates may have a biomedical research doctorate with advanced training in education theory and methods. Candidates must have demonstrated skill and experience working with faculty and the varied styles they bring to teaching.

This is a faculty-level appointment with an excellent compensation and benefits package. Interested candidates should forward a curriculum vitae and a letter of interest which captures the experiences and interests they would bring to the position to:

Richard McGee, Ph.D., Chair
Search Committee
Mayo Graduate School
200 First St SW
Rochester, MN 55905
507-284-0339
rmcgee@mayo.edu

Mayo Foundation is an Affirmative Action and Equal Opportunity Employer and Educator.



**NORTHWESTERN
UNIVERSITY**



**Children's
Memorial Hospital**

**TENURE-TRACK FACULTY POSITIONS
GENETICS PROGRAM**

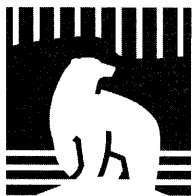
**CHILDREN'S MEMORIAL INSTITUTE FOR
EDUCATION AND RESEARCH (CMIER)**

**NORTHWESTERN UNIVERSITY
MEDICAL SCHOOL**

The CMIER Human and Molecular Genetics Program at Children's Memorial Hospital/Northwestern University invites applications from individuals working in any area of genetics related to developmental biology and/or disease in children. Appointment at the Assistant Professor level is expected, but higher-level appointments will be considered. Applicants should have a Ph.D. or M.D. degree and significant postdoctoral training. The successful candidate will be expected to establish an independent, externally funded research program and to teach in the Northwestern graduate school or medical school. This full-time position offers outstanding scholarly and scientific resources in a collegial and collaborative environment that includes strong ties to Northwestern's Center for Genetic Medicine and related departments, the R. H. Lurie Cancer Center, and Northwestern's Institute for Neuroscience. Laboratory space will be located in the Children's Research Center adjacent to research groups in the CMIER Neurobiology, Developmental Systems Biology and Disease Pathogenesis Programs. The successful candidate will be provided with substantial resources and access to state-of-the-art facilities including transgenic mouse and targeted mutagenesis, single and multi-photon confocal microscopy, digital darkroom, fluorescence microscopy and morphology, and gene microarray cores. Applicants with outstanding accomplishments, particularly in the areas of large-scale approaches to functional genomics, developmental genetics in higher eukaryotic model systems, experimental models of human disease, human cancer genetics, the genetic basis of complex diseases, neurogenetics and proteomics are encouraged to apply. Applications from individuals using the mouse as a model system are particularly welcome. Beyond the individual's area of expertise, the exceptional candidate will have the ability to bridge clinical and basic science. This recruitment is part of a growing commitment to genetics research at Northwestern University and to Children's Memorial Hospital's research initiatives to increase the understanding and treatment of diseases and birth defects that affect children. Salary is competitive and commensurate with experience. The start date is expected to be summer or fall of 2002, but is flexible.

Applications will be considered as they are received, but in order to ensure full consideration, applicants should send a CV, a 3 page statement of research accomplishments and future goals, and 3 letters of recommendation by April 1, 2002, to: **Martha C. Bohn, Ph.D., Chair, CMIER Genetics Search Committee, Children's Memorial Institute for Education and Research, 2300 Children's Plaza, Box 209, Chicago, IL 60614;** or email electronic submissions to **t-mcloraine@northwestern.edu**.

Northwestern University is an Affirmative Action, Equal Opportunity Employer. Hiring is contingent upon eligibility to work in the USA. Women and minorities are especially encouraged to apply.



Assistant Professorships

The Institute of Arctic Biology and Department of Biology and Wildlife at the University of Alaska Fairbanks announce three tenure-track faculty positions in neuroscience and environmental physiology, available after 1 July 2002. We seek to develop and complement research and teaching in hibernation, cryobiology, biological rhythms, endocrinology, immunology, neurobiology, and nutrition. Each position includes support for research and faculty development through grants from the NIH and NSF.

Neurobiology: We seek a cellular/molecular neuroscientist to join our NIH sponsored Alaskan Basic Neuroscience Program (ABNP). The ABNP provides substantial support for research, students, travel, and collaborations. [Search Chair: **Dr. A. Bult**: ffab@uaf.edu]. Please reference: **PCN#204196, REQ#FF20419601**

Molecular physiology: We seek candidates trained in molecular biology who apply molecular techniques to investigate physiological, behavioral, or ecological adaptations of animals. [Search Chair: **Dr. B.M. Barnes**: ffbmb@uaf.edu]. Please reference: **PCN#204586, REQ#FF20458601**

Integrative physiology: We seek a physiologist who uses multiple approaches to study mechanisms of animal function from cellular to behavioral levels of expression in an ecological or evolutionary context. [Search Chair: **Dr. P.S. Barboza**: ffpsb@uaf.edu]. Please reference: **PCN#247931, REQ#FF24793101**

Both molecular and integrative physiology positions will be substantially supported by an NSF sponsored EPSCoR grant, which provides access to core equipment, travel, student support, and seed funds.

All successful candidates will be expected to develop externally funded research programs and to be effective in graduate student training and undergraduate teaching. Candidates are required to have post-doctoral experience. Teaching duties will be two courses per year, including opportunities at the graduate level. Applicants should apply for each position separately; please contact Search Chairs with questions. Submit an Applicant Form (http://www.alaska.edu/hr/employment_application.html) a curriculum vitae, statements of teaching philosophy and research interest, representative reprints, and solicit at least three letters of recommendation to be sent to the respective Search Chair at UAF, **Institute of Arctic Biology, C/O UAF Human Resources, P.O. Box 757860, University of Alaska Fairbanks, Fairbanks, AK 99775-7860, Fax (907) 474-5859, e-mail: fjjobs@uaf.edu**. Review of applications will begin on 1 March 2002; positions will remain open until filled. Further information about the University and each position is available at: <http://mercury.bio.uaf.edu/>.

*The University of Alaska is an Equal Opportunity/
Affirmative Action Employer and Educational Institution.*

UIC University of Illinois
at Chicago

Faculty Positions

Department of Pharmacology University of Illinois at Chicago

The Department of Pharmacology (<http://www.uic.edu/depts/mcph>) solicits applications for the rank of Assistant, Associate, or Full Professor. We are seeking individuals with NIH funding or high probability of research support in the case of junior faculty. Recruitment emphasis is on areas related to mechanisms of cell proliferation, apoptosis, and angiogenesis (for conjoint position with the Cancer Center) as well as cardiovascular biology and the biology of endothelial, alveolar epithelial and hematopoietic cells. Significant research accomplishments in other areas will also be considered. Individuals must be of outstanding caliber and are expected to develop a nationally credible research program. Exceptional start-up package and space in new research building are available. Candidate must possess a M.D. or Ph.D.

For fullest consideration please send a CV, names of three referees, and summary of research goals by May 15, 2002 to: **Faculty Search, Dept. of Pharmacology (M/C 868), University of Illinois at Chicago, College of Medicine, 835 S. Wolcott Ave., Rm. E403, Chicago, IL 60612.**

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

University of Louisville Department of Biochemistry and Molecular Biology Chair Announcement

The University of Louisville School of Medicine invites nominations and applications for the position of Professor and Chair of the Department of Biochemistry and Molecular Biology. The Department has a strong focus, most recently under the direction of Dr. Russell A. Prough, who continues as Professor and Associate Vice-President/Associate Dean for Research in the School of Medicine. The Department has 17 faculty with primary appointments and more than 30 faculty with joint or associate appointments. Areas of research include a broad array of areas encompassing biochemistry and molecular biology. The Department has an outstanding graduate program and provides instruction to medical, dental, graduate and undergraduate students. Further information on the Department and its faculty is available at www.louisville.edu/medschool/biochemistry.

The University of Louisville and its School of Medicine are engaged in a vigorous effort to advance research excellence and productivity. Areas of research that have been targeted for investment include oncology, genetics and molecular medicine, environmental and public health, neuroscience and cardiovascular disease. Candidates with research programs and a vision for collaborative research activities in these areas are particularly encouraged to apply. The School of Medicine is committed to providing the financial resources necessary to attract a Chair with an outstanding record of achievement and leadership.

Requirements for the position include a doctorate (or equivalent degree) in biochemistry, molecular biology or related discipline and an outstanding academic record necessary for appointment as professor with tenure. The candidate selected will demonstrate outstanding skills in leadership and administration and will transfer a vigorous and focused research program using state-of-the-art approaches with continuous federal grant support. The candidate also will be committed to collaboration with other Departments and Research Centers/Institutes, and will articulate a vision for the promotion of Departmental excellence in research and teaching. Applications and nominations should be submitted by April 1, 2002, but the search process will remain open until the position is filled. Applicants should submit a letter of application that describes their research focus and their vision for promotion of Departmental excellence in research and teaching, a copy of their curriculum vitae that documents their record in research, education and administration, and the names and contact information of four references. Nominations and applications should be sent to the Chair of the Search Committee:

UofL

David W. Hein, Ph.D.
Peter K. Knoefel, Professor and Chairman,
Department of Pharmacology and Toxicology
c/o Laura Oatley
Office of the Vice President for Health Affairs
University of Louisville Health Sciences Center
323 East Chestnut St.
Louisville, KY 40202-3866

Faculty, students and administration at the University of Louisville are committed to creating an inclusive campus environment that fosters academic excellence by encompassing and valuing diversity.



DONALD DANFORTH PLANT SCIENCE CENTER

Faculty Positions-Plant Biology

The Danforth Center announces positions for Principal Investigators at the Associate and Assistant Member levels to direct fundamental research programs. Seeking scientists with broad interests/training in at least two scientific disciplines and well-formed research programs that will benefit from interactions with scientists of other disciplines. Demonstration of prior or current support and of interdisciplinary research beneficial. Four faculty appointments will be considered in biochemistry, structural biology, phytochemistry/neutriceuticals, fundamental aspects of animal or human nutrition, cell biology, and abiotic stress biology.

Send resume, brief description of research interests, reprints of three key publications, and names of three references. Visit www.danforthcenter.org, for more information.

Send to: **Ms. Billie Broeker, Human Resources, Donald Danforth Plant Science Center, 975 North Warson Road, St. Louis, MO 63132.**

The Donald Danforth Plant Science Center is an Equal Opportunity/Affirmative Action Employer and encourages applications from underrepresented groups, including minorities, women and people with disabilities.



Positions available in the new University of Tennessee Centers of Excellence.

The University of Tennessee has made a multi-million dollar commitment to the establishment of Centers of Excellence at the University of Tennessee Health Science Center, College of Medicine in Memphis, Tennessee. While the positions are on the Memphis campus, exciting opportunities for research and graduate education exist with the Knoxville campus, St. Jude Children's Research Hospital, and Oak Ridge National Laboratories. Successful applicants will receive generous start-up packages, a competitive salary, and an appointment in a basic science and/or clinical department. Applicants must have a Ph.D. and/or M.D. with postdoctoral training and evidence of a strong research program. Please send letter of research interests, CV, and names and addresses of at least three references to the appropriate contact listed below.

The CENTER OF EXCELLENCE IN DISEASES OF CONNECTIVE

TISSUE seeks 4 qualified investigators focusing on clinical or basic research related to autoimmunity, extracellular matrix, bone, cartilage, osteoporosis or fibrosis to fill Tenure Track

Positions at the level of Assistant or Associate Professor. Successful applicants are expected to develop an independent research program and participate as members of The Connective Tissue Research Group, an internationally recognized, multidisciplinary research group at the University of TN HSC. Applications for Postdoctoral Fellowships in these areas are also being solicited. Contact:

Andrew H. Kang, M.D.
Univ. Tennessee Hlth. Sci. Ctr.
956 Court Avenue, Rm. G326
Memphis, TN 38163
Email: akang@utmem.edu

The CENTER OF EXCELLENCE IN VASCULAR BIOLOGY is seeking



qualified tenure-track faculty at the Assistant Professor or Associate Professor levels in the area of Vascular Biology with a focus on endothelial cell biology, vascular adhesion molecules or thrombosis and hemostasis. Application for post-doctoral fellowships in vascular biology are also encouraged. The Center of Excellence provides a productive research environment for scientific endeavors and interdisciplinary collaboration. Basic, translational and clinical research are integral parts of the Center's activities. Contact:

Lisa K. Jennings, Ph.D.
Univ. Tennessee Hlth. Sci. Ctr.
956 Court Avenue, Rm. H300
Memphis, TN 38163
Email: ljennings@utmem.edu

The CENTER OF EXCELLENCE IN GENOMICS AND BIOINFORMATICS is seeking 6 tenure track



assistant, associate, or full professors who bring expertise in functional genomics and/or bioinformatics. Applicants must have expertise in one of the following areas: proteomics, mouse mutagenesis, microarray, bioinformatics, complex trait analysis, genetic epidemiology, and gene mapping or discovery. Successful applicants are expected to have or develop an outstanding research program and to participate in or develop collaborative research projects with UT or affiliated faculty. Contact:

Dan Goldowitz, Ph.D.
Univ. Tennessee Hlth. Sci. Ctr.
855 Monroe Avenue, Rm. 515
Memphis, TN 38163
Email: dgold@nb.utmem.edu

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA employer and encourages applications from qualified women and minorities.



UNIVERSITY OF BRISTOL

Professor of Physiology

The University is seeking an outstanding scientist with a proven track record of internationally recognised research to strengthen its research activities, which fall into four broad areas: cardiovascular and respiratory function, transduction and processing of sensory information, integrated CNS functions, and molecular mechanisms of motility. Key attributes will be a drive to exploit modern technologies in addressing important questions in integrative physiology, and enthusiasm both to collaborate with scientists and clinicians across the University and to contribute to all aspects of the Department of Physiology's academic activity. This is an exciting opportunity to join a thriving School of Medical Sciences that in recent years has benefited from major investment in new and upgraded facilities. We are committed to excellent research, with high-class research laboratories ready for occupation, and now wish to appoint to a chair, which could be linked to a vacant lectureship.

Informal enquiries to Professor P Max Headley, telephone +44 (0)117 928 7802, email max.headley@bristol.ac.uk. Further information about the Department is at <http://www.bristol.ac.uk/Depts/Physiology>

For further details telephone +44 (0)117 954 6947, minicom +44 (0)117 928 8894 or e-mail recruitment@bristol.ac.uk (stating postal address ONLY) quoting reference 8130. Electronic applications must include an "APPLICATION FORM FOR AN ACADEMIC VACANCY", found at <http://www.bristol.ac.uk/Depts/Personnel/recruit.htm>. The closing date for applications is 9.00am, 15th March 2002.

www.bristol.ac.uk

AN EQUAL OPPORTUNITIES EMPLOYER



RESEARCH ASSOCIATE POSITIONS Molecular Pharmacology and Experimental Therapeutics Rochester, Minnesota, U.S.A.

Four positions available in the Computer-Aided Molecular Design Laboratory (CAMDL, "www.mayo.edu/research/pang"): two Ph.D.-level computational biologists with protein-modeling experience; and a biochemist or pharmacologist with at least an MS degree and experience of *in vitro* and *in vivo* testing of therapeutic agents; and a computer programmer with at least a BS degree and knowledge of parallel computing and statistical mechanics. Salary and benefits are competitive. Mayo Clinic has an annual research budget of more than \$100 million and CAMDL receives extramural funding of close to \$1 million/yr.

Salary will be determined by the successful candidate's experience. There is an attractive benefit package. Mayo Clinic Rochester is a not-for-profit organization. Mayo integrates research with clinical practice and education in a multi-campus environment.

Please send curriculum vitae and bibliography, summary of past accomplishments, and the names of three references to:

Dr. Yuan-Ping Pang
Mayo Clinic Rochester
Guggenheim 711A
200 First Street SW
Rochester, MN 55905
E-mail: pang@mayo.edu

Mayo Foundation is an Affirmative Action and Equal Opportunity Employer and Educator.

Assistant Professor

The University of Texas-Houston Medical School has an opening for a tenure track Assistant Professor in The University of Texas Center for Biomedical Engineering (UTCBE). The UTCBE is a joint educational and research program of The University of Texas-Houston Health Science Center, The University of Texas M.D. Anderson Cancer Center, and The University of Texas at Austin. This is a highly inter-disciplinary and internationally recognized program. A recent Whitaker Foundation Development Award funds the UTCBE. The core UTCBE programs include In Vivo Molecular and Cellular imaging, Tissue Engineering and Bioinformatics.

Applications are invited from outstanding candidates with a Ph.D. in physical or engineering sciences or M.D., with a minimum of two years post-doctoral experience and a strong focus on high field and advanced MRI of experimental spinal cord injury. Experience in medical imaging, with strong theoretical and experimental background, is highly desirable.

The successful candidate is expected to develop a strong and independent research program in advanced MR techniques, including in vivo molecular and cellular imaging in experimental spinal cord injury and establish a strong inter-disciplinary collaboration with current UTCBE faculty consisting of physicians, scientists, and engineers. This position involves teaching regularly scheduled courses and supervising both undergraduate and graduate students in the Department of Biomedical Engineering, University of Texas at Austin.

The successful candidate will also be appointed to the Department of Radiology at the University of Texas-Houston Medical School and in the Department of Biomedical Engineering, University of Texas at Austin.

Qualified applicants are invited to submit their curriculum vitae, a brief description of research accomplishments and goals, representative scholarly journal articles, teaching interests, and three letters of recommendation to:

Ponnada A. Narayana, Ph.D.
Professor of Radiology and Director of MR Research
University of Texas-Houston Medical School
6431 Fannin

Houston, TX 77030
E-mail: Ponnada.A.Narayana@uth.tmc.edu



THE UNIVERSITY of TEXAS
HEALTH SCIENCE CENTER AT HOUSTON

EOE/AA/Smoke-free environment/Security Sensitive Position.
Women and minorities are encouraged to apply.

FACULTY POSITION IN BASIC CANCER RESEARCH UNIVERSITY OF CALIFORNIA, IRVINE

The Department of Molecular Biology and Biochemistry in the School of Biological Sciences, and the Chao Family Comprehensive Cancer Center (an NIH-designated comprehensive cancer center) announce the availability of a tenure-track position in basic cancer biology at the ASSISTANT PROFESSOR level. Applicants should hold Ph.D., M.D. or equivalent degree, and should have demonstrated the ability to develop and lead a research program in basic cancer research and to teach at the undergraduate and graduate levels. Research areas of primary interest are oncogenic large DNA viruses or angiogenesis, although outstanding candidates pursuing other areas of cancer research also will be considered.

The University of California, Irvine has an active career partner program and an NSF ADVANCE Program for Gender Equity.

Applicants should submit a description of their research accomplishments and future plans, a Curriculum Vitae, and a list of at least four references to:

Dr. Hung Fan
Chair, Cancer Biology Search Committee
Department of Molecular Biology and
Biochemistry
University of California
Irvine CA 92697-3900

DEADLINE FOR RECEIPT OF APPLICATIONS:
Review of applications will begin on March 15, 2002 and the recruitment will remain open until filled.

The University of California, Irvine is an equal opportunity employer committed to excellence through diversity.

FACULTY POSITION

The University of Health Sciences-College of Osteopathic Medicine invites applications for an Assistant Professor faculty position that is available immediately. Qualified candidates must have a Ph.D. in biomedical sciences, biochemistry or related areas, molecular/cell biology expertise, and postdoctoral research and teaching experience. A successful candidate will be expected to develop and maintain a funded proteomics-based research program in the areas of cancer or cardiovascular disease. The candidate must also have a strong commitment to teaching/advising medical students, University service and other scholarly activities.

Salary will be commensurate with experience and qualifications. UHS offers an outstanding benefits package including an exceptional retirement plan. UHS is in a beautiful, traditional setting near downtown Kansas City, MO. Please send a letter of interest, curriculum vitae, a brief statement of teaching and research interests, and contact information for three references to: **Susan M. Schmidt, Assistant Director of Human Resources, The University of Health Sciences, 1750 Independence Ave., Kansas City, MO 64106-1453; or E-mail: swharton@uhs.edu, (MS Word); or fax: 816/283-2285. www.uhs.edu** Review of applications will continue until the position is filled. Specific questions may be directed to Douglas R. Rushing, Ph.D., Search Committee Chair, 1-800-234-4847, ext. 2205.



the University of Health Sciences

EOE

The City University of New York (CUNY) is undertaking a major initiative in the biosciences. The University is recruiting tenure-track faculty into three focus areas: **macromolecular assemblies, neurosciences and cell signaling and regulation**. These areas build upon well-funded research themes at the CUNY campuses. New faculty will enter an environment that will support their research programs by having research teams with whom they can interact. Candidates at the Assistant, Associate and Full Professor levels are invited to apply.

Brooklyn College and the **College of Staten Island** are seeking faculty in the area of macromolecular assemblies. Brooklyn College seeks an individual whose research focuses on the structure and dynamics of cytoskeletal proteins and/or motor proteins. The College of Staten Island plans to add to their faculty who are working in the dynamics and structures of membrane proteins receptors; nucleic acid binding proteins; protein-protein interactions; and molecular interactions of complex biomolecules.

Hunter College is forming an institute in the neurosciences, and is seeking a neuroscientist to complement studies by current faculty.

Queens College, Lehman College and City College are seeking faculty in the areas of cell signaling and regulation. Lehman College has an active program in the plant sciences, including secondary metabolic pathways and studies on medicinal plants and plant product chemistry. Faculty at Queens College are working in several areas of signaling and regulation using models that include plants, yeast, nematodes, mammals, fish and *Dictyostelium*. Research on gene expression and signaling pathways at City College include developmental studies in *Drosophila* and in mammals, as well as studies on lipids and membranes.

Successful candidates are expected to establish active, independent programs of extramurally funded research in the areas designated. Candidates must also demonstrate a commitment to teaching at both the undergraduate and graduate levels. For more information on the positions at each of the CUNY colleges please refer to the University web site at:

<http://cuny.edu/topframe-abtcun.html?abtcun/cunyjobs/index.html>

Applicants should state which position they are applying for. A vita, reprints of representative publications, a research proposal, and names of three references should be sent to: **Dean Spiro Alexandratos, c/o Ms. Mabel Chee, City University of New York, Office of Academic Affairs, 535 East 80th Street, New York, NY 10021**. Applications will be forwarded to the appropriate colleges, and should be received by April 30, 2002.

CUNY is an AA/EO employer M/F/D/V.



**FACULTY POSITION IN
TUMOR IMMUNOLOGY/
CANCER BIOLOGY
GEORGIA STATE
UNIVERSITY**

The Department of Biology invites applications for a tenure-track faculty position in Tumor Immunology/Cancer Biology. The successful applicant will have the opportunity to collaborate with the newly formed Georgia Cancer Coalition, which provides funding for cancer research. Applicants at the Assistant Professor level are expected to demonstrate the potential to establish an independent, externally funded research program in his/her specialized field while applicants at more senior levels should have an established, externally funded research program. The successful applicant is also expected to interact in interdisciplinary research with other faculty, direct graduate student research, and instruct upper level undergraduate and graduate courses in immunology and cell biology. Applicants with research that complements the interests of current faculty in the Ph.D. programs in Cell Biology and Physiology or Molecular Genetics and Biochemistry are particularly welcomed. The Department has excellent research core facilities. (See website: <http://biology.gsu.edu>).

Review of applications will commence on March 1, 2002 and the appointment will start in August 2002. Applications including CV, reprints, statement of research interests and plans, and three letters of recommendation should be sent to:

**Chair of Immunology/Cancer Biology Search Committee
Department of Biology
P.O. Box 4010
Georgia State University
Atlanta, GA 30302-4010**

Georgia State University, a Research University of the University System of Georgia, is an Equal Opportunity Employer.



**Assistant or Associate Professor in
Biochemistry and Molecular Biology**

Applications are invited for a full time, tenure-track position at the Assistant or Associate Professor level. Candidates must have an earned doctorate in biochemistry or a related area with significant postdoctoral experience. Applicants with a strong background in protein biochemistry or biophysics or structural biology are especially encouraged to apply.

Review of applicants will begin March 1, 2002 and continue until the position is filled. Applications should include a letter describing research and teaching background and philosophy along with future research plans, a curriculum vitae, the names of four references (include postal address, telephone number, and email address for each) and reprints of major publications. Please submit applications and arrange for letters of recommendation to be sent to:

**Dr. Linda Yu
Search Committee Chair
246 Noble Research Center
Department of Biochemistry and Molecular Biology
Oklahoma State University
Stillwater, OK 74078-3035**

Phone: 405-744-6189, Fax: 405-744-7799; email: linda@okstate.edu
More information concerning this position can be obtained from <http://biochem2.okstate.edu>

*Oklahoma State University is an Equal Opportunity/
Affirmative Action Employer committed to multicultural diversity.*



University of Heidelberg

The position of

Professor (C3) of Organic Chemistry

will be appointed at the earliest date possible.

Responsibilities include teaching and research in Organic Chemistry. The applicant is expected to play an active role in our research programs. Participation in our major research field "molecular catalysis" is also encouraged.

The candidate should have outstanding teaching and research qualifications including a habilitation (or equivalent qualification) in Organic Chemistry.

In case the candidate is not already a professor, the position is initially (according to § 67 Abs. 1 of the state university rules) to a 5-year-period, however, with excellent chances of ensuing tenure. The German "Habilitation" or demonstration of having reached an equivalent research/teaching standard is required. As the University of Heidelberg wishes to increase its proportion of female scientists, women candidates are particularly encouraged to apply.

Interested candidates are asked to send their application (including CV, a list of publications, five selected reprints and a list of courses taught) either in German or English by **April 13, 2002** to:

**The Faculty of Chemistry, The Dean,
Im Neuenheimer Feld 234,
D-69120 Heidelberg, Germany.**



**UNIVERSITY OF IOWA
COMPUTATIONAL BIOLOGY
Departments of Biological Sciences,
Computer Science and
ROY J. CARVER CENTER FOR COMPARATIVE GENOMICS**

A tenure-track position at the rank of Assistant or Associate Professor is open for individuals interested in computational methods and their application to significant biological problems. Areas of particular interest include: comparative genomics, genome evolution, computational methods, and algorithm design; however, applicants in other related areas will also be carefully considered. This position is part of a campus-wide initiative involving many departments in the College of Liberal Arts and Sciences, Medicine, Engineering, and Public Health addressing all aspects of Bioinformatics. Successful candidates will encounter a diverse and dynamic community of scholars interested in computational methods and their application to biological problems.

Candidates will be expected to have an internationally recognized record of accomplishment as reflected in publications in leading journals. The successful candidate will be expected to establish and maintain an extramurally funded research program. Newly renovated space and a competitive start-up package will be made available. Applicants should send a curriculum vitae, statement of research objectives, selected reprints, a description of teaching interest, and the names of three references to: **Computational Biology Search Committee, Department of Biological Sciences, University of Iowa, 138 Biology Bldg, Iowa City, Iowa 52242-1324**. Applications will be reviewed as soon as they are received until a suitable candidate is identified.

*The University of Iowa is an Affirmative Action/
Equal Opportunity Employer. Women and minority
candidates are especially encouraged to apply.*

GLOBAL OPPORTUNITIES

The success of deCODE scientists in defining the genetics of complex traits using the genealogic approach creates new entry points for understanding their molecular bases and offers the prospect of more specific therapeutic intervention. We seek to fill several of the following positions:

Research Scientist/High Throughput Screening

You will join a multidisciplinary team using protein and cell based assays to identify chemical leads against novel drug targets identified through human genetics. Past experience in protein- or cell-based assays is desirable as would be experience with robotics and laboratory automation.

Research Scientist/Molecular Biology/Cell Biology

You will join a multidisciplinary team using functional assays to validate therapeutic targets identified through human genetics. Past experience in molecular cloning, analysis of gene expression, fluorescence imaging techniques, or cell fractionation would be desirable.

Research Scientist/Pharmacology

You will join a multidisciplinary team assessing drug action in vitro and in vivo. Prior experience with GPCR expression, ligand binding assays, and functional assays in cells is desirable.

Research Scientist/Senior Research Scientist: Human Genetics

You will lead a project that applies our genealogic approach to the discovery of major genes contributing to the pathogenesis of a common disease. You will be responsible for project strategy and the analysis of genetic data derived from the largest microsatellite genotyping facility in the world. Past experience in linkage and association analysis is desirable.

Research Scientist: Cytogenetics

You will be responsible for screening regions of the genome identified by in our genetics projects for rearrangements. Experience with interphase cytogenetics is desirable.

Requirements include a PhD degree in genetics, molecular biology, cell biology or related fields, as well as strong experience in DNA cloning and cellular assay development. Those with MD degrees with postdoctoral experience are also encouraged to apply.

The positions are located in Reykjavik, Iceland.

deCODE Genetics offers an attractive compensation package, stock-ownership opportunities, relocation assistance and, most importantly, a unique opportunity to participate in genetic research at the cutting edge.

For more information, please contact: Director of HR, deCODE genetics, Sturlugata 2, IS-102 Reykjavik, Iceland (careers@decode.is) or visit our website (www.decode.is). Applications should include a statement of purpose, a curriculum vitae, a list of publications and three references.

Based in Reykjavik, Iceland, deCODE genetics is a population-based genomics company conducting research into the inherited causes of common diseases. deCODE genetics operates one of the most technologically advanced, highthroughput genotyping laboratories in the world. Together with pharmaceutical companies and other healthcare institutions, deCODE genetics aims to utilize its research to develop new methods for identifying, treating and preventing diseases.



Associate Dean for Academic and Faculty Affairs College of Biological Sciences - University of Minnesota

The College of Biological Sciences at the University of Minnesota is engaged in a strategic expansion of undergraduate and graduate programs, faculty and facilities. Research and teaching in the college spans the breadth of biology, from molecules to ecosystems. We seek an associate dean to provide vision for the enhancement of biology education in the context of a large, comprehensive research university. While specific responsibilities of the position will focus on undergraduate education in the biological sciences, the associate dean will also provide leadership for biology education across the K-20 continuum. The successful individual will have interest in meeting the challenges of biological education created by a rapidly changing and expanding knowledge base.

The position is a full-time, twelve-month appointment for a renewable, three-year term, and includes a tenured faculty appointment. Qualifications include an earned doctorate in a biological discipline and a record of research, scholarship and instruction sufficient to qualify for a tenured position in one of the College's departments. Knowledge of current trends and issues in biological research and education, leadership experience in educational programs, and demonstrated administrative skills are desired. The College has a strong commitment to the principles of diversity, and in that spirit seeks a broad spectrum of candidates including women, minorities, and people with disabilities. For more information, visit the college web site at http://www.cbs.umn.edu/lab_cbs/1di2_staffpositions.html

To be considered as a candidate for this position, please submit a letter of application, a statement of efforts promoting diversity, curriculum vitae, and names and contact information for four referees to:

Dr. Kate VandenBosch, Search Committee Chair
College of Biological Sciences
University of Minnesota
123 Snyder Hall
1475 Gortner Ave.
St. Paul, MN 55108

Review of applications will begin March 15, 2002. Expected start date is on or after July 1, 2002.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

Visiting Chief Social Scientist National Park Service



The National Park Service (NPS) established the position of Visiting Chief Social Scientist in 1996. The NPS seeks to appoint an accomplished social scientist to the position beginning 1 October 2002.

The NPS Visiting Chief Social Scientist is a science leadership position, reporting to the Associate Director, Natural Resource Stewardship and Science. The position is for a 2-3 year term (renewable) and can be filled by a federal employee, contractor, or cooperator. Salary is at the Civil Service equivalent of GS-14. The position is based in Washington, DC and can be co-located at the successful candidate's institution or current duty-station.

Required qualifications:

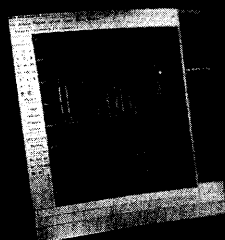
- an earned doctorate in one of the social sciences or related fields,
- 5-10 years of research experience in one or more of the social sciences, including significant accomplishments in applied social science research related to the environment and/or natural resources,
- a significant record of peer-reviewed scientific publication, and
- administrative, management and/or leadership experience.

Preferred qualifications:

- experience with and/or knowledge of the NPS and/or other federal resource management agencies,
- experience with and broad appreciation of varied social science disciplines and interdisciplinary research,
- significant accomplishments in applying social science within organizational settings, and
- creative vision in developing a program of social science within the NPS.

Interested candidates should submit a letter of interest addressing the required and preferred qualifications; vitae; and the names and contact information for three references to: **Search Committee Chair (VCSS), National Park Service, 1849 C Street NW (Room 3223), Washington, DC 20240, (202) 208-4163.** An express shipping service must be used. Materials must be received no later than 1 April 2002. **Additional information about the position is available by faxing a request to: (202) 208-3060.** Nominations are also encouraged, and may be faxed to the above number.

If R&D
is your
Passion...



Unleash it at **Ranbaxy Laboratories Limited**, India's largest pharmaceutical company, manufacturers and marketers of branded and generic pharmaceuticals, bulk substances and intermediates. The Company achieved global sales close to US\$ 600 million during the year 2001 and is well on its course to achieve the target of US\$ 1 billion by the year 2004. Ranbaxy has an expanding international portfolio of affiliates, joint ventures and alliances, exports to more than 40 countries and is filing product registrations in more than 60 countries. The Company has ground operations in 25 countries and manufacturing operations in 7 countries.

Ranbaxy's R&D expenditure is around 5% of its sales turnover. The continued focus on R&D has resulted in several approvals for Active Pharmaceutical Ingredients (APIs), dosage forms (formulation) and oral controlled release products, in domestic as well as developed markets (USA, UK, Germany, etc.), and significant progress in Drug Discovery Research. Ranbaxy has acknowledged strengths in R&D. Its state-of-the-art R&D centre is one of the finest multi-disciplinary research facilities in India, situated in Gurgaon (8 kms. from Delhi International Airport). Embodying our Mission statement

"To become a Research-based International Pharmaceutical Company" upgradation of research capabilities is an ongoing process, with a major thrust on **Drug Discovery Research** and **Novel Drug Delivery Systems**.

The Company is focusing its research on the Anti-infective, Urology, Respiratory and Anti-inflammatory segments. Presently, it employs over 400 highly-qualified and experienced scientists in the multi-disciplinary areas of pharmaceutical and biotech research, drawn from the best institutes of the world.

Reflecting the Company's strong commitment towards **Drug Discovery Research**, Ranbaxy is in the advanced stages of clinical trials of its first own NCE-RBx 2258 in the area of BPH. Another IND has also been filed for its second molecule, in the area of Bronchial Asthma. Initiatives have been taken to carry out research in the areas of genomics, proteomics and bioinformatics, further to be integrated with Drug Discovery Research. Ranbaxy's foray into Novel Drug Delivery Systems has led to several proprietary know-how platform technologies, resulting in many products which have been marketed and many more under development. The Company has already initiated work on Herbal Drug Research and is currently working to develop a host of herbal-based formulations and isolations, followed by characterisation of the active ingredients.

To further strengthen and enhance our research capability, we are looking for an experienced and mature scientist to head our Drug Discovery Programme, to be based at our Research Centre at Gurgaon near Delhi, India :

Head – Drug Discovery Research

The candidate will play a key role in managing drug discovery research and demonstrate a high level of scientific direction and input, based upon knowledge of the global pharmaceutical industry, to the drug discovery team. He / she must be aware of the latest research trends in drug discovery research and lead / initiate the identification of scientific opportunities for the Company.

The position calls for in-depth understanding of modern approaches currently used in drug discovery research, e.g. molecular biology, combinatorial chemistry and high-throughput screening, rational and computer-aided drug design, etc. The candidate will have to lead around 150 competent, innovative and forward-looking scientists, who are part of a multi-disciplinary drug discovery team, with expertise in these state-of-the-art tools, and manage them effectively. He / she will be responsible for establishing long-term Drug Discovery Research goals and objectives and to expand existing facilities and working towards its accomplishment. Prioritising of resources will be essential and this will call for a high degree of scientific capability, aligned to management skills. He / she will also be required to establish and monitor collaborative research programmes, with academic and Industrial Research Institutions in India and other parts of the world.

The candidate should be a Ph.D. in Medicinal Chemistry / Biochemistry with 15-20 years of experience in drug discovery research with in-depth knowledge of state-of-the-art drug design approaches. He / she should have significant management experience in the pharmaceutical industry and should have impeccable scientific credentials. This position will report to President R&D.

The Company provides ample opportunity for learning, broadening exposures and career progression, along with a globally competitive compensation package. Please apply within 15 days, superscribing the envelope with the position applied for, to :

Vice President - Global Human Resources
Ranbaxy Laboratories Limited

25, Nehru Place, New Delhi 110 019 (India)

Fax : 91-124-6342017 / 6342030

e-mail : udbhavg@ranbaxy.co.in

Visit our Website at : <http://www.ranbaxy.com>



**St. Jude Children's
Research Hospital**

ALSAC • Danny Thomas, Founder

CHAIRMAN OF CHEMICAL BIOLOGY

St. Jude Children's Research Hospital (SJCRH), a premier center for biomedical research, is seeking a visionary leader to establish a new Department in the field of Chemical Biology. Research in the Department will broadly focus on the synthesis, identification and utilization of small molecules as tools for analyzing biological processes and as potential lead compounds for therapeutics. Programs are envisioned that will interface closely with existing expertise in genetics, molecular biology, structural biology, cell biology and functional genomics. The Department occupies laboratories in a newly constructed Integrated Research Center.

Chemical Biology at SJCRH is a crucial component of the ongoing expansion of the institution's research environment that has included in the recent years, the establishment of a Department of Structural Biology, the formation of the Children's Infection Defense Center (CIDC), expansion of the Cancer Center, development of the Hartwell Center for Bioinformatics and Biotechnology, and expansion of programs in non-malignant genetic diseases. Members of the Chemical Biology Department will have the opportunity to interact with investigators from other Departments within SJCRH including Biochemistry, Developmental Neurobiology, Genetics, Hematology/Oncology, Immunology, Infectious Diseases, Molecular Pharmacology, Pathology, Pharmaceutical Sciences, Structural Biology, and Tumor Cell Biology. Outstanding, state-of-the-art core facilities support all research in the institution. A good manufacturing practices (GMP) facility is currently under construction and will provide capabilities for the development and on-site production of vectors, vaccines, antibodies and small molecule therapeutic agents.

SJCRH is a clinical and basic research institute that focuses on the fundamental causes and treatment of catastrophic childhood diseases including cancer, infectious diseases and genetic disorders. Founded by Danny Thomas in 1962, the hospital currently includes approximately 150 basic and clinical investigators organized within a traditional academic environment. SJCRH continues to receive support through the fundraising efforts of the American Lebanese Syrian Associated Charities (ALSAC).

Candidates should have a Ph.D. and/or M.D. degree, an active and competitive research program, an international reputation and a distinguished record of scholarly achievement. Applicants should send a letter of interest and include a curriculum vitae, a brief discussion of scientific goals and the names of three references to:

CHEMICAL BIOLOGY SEARCH COMMITTEE
c/o James N. Ihle, Ph.D., Chair
Department of Biochemistry
332 N. Lauderdale
St. Jude Children's Research Hospital
Memphis, TN 38105

Equal Opportunity Employer



Dow AgroSciences

Fermentation Development Leader

Dow AgroSciences, a leading company in crop protection and pest management located in Indianapolis, Indiana, is looking for a highly motivated Fermentation Development Leader to fill an open position in the Technical Service area located in Harbor Beach, Michigan. Qualified candidates must have a Ph.D. degree in microbiology or related discipline with 3 years relevant experience in fermentation development and secondary metabolite expression; or an M.S. in microbiology or related field with 7 years of similar experience. Candidates must also possess:

- Strong leadership skills combined with the ability to function within a small, yet fully integrated, manufacturing facility.
- Experience with optimization of secondary production is essential.
- Excellent communication skills.
- Organization, documentation and computer literacy skills are a must.
- Strong interpersonal skills are essential, as is a high level of self-motivation.

In addition to a competitive compensation and benefits package, Dow AgroSciences offers challenging opportunities within a creative, stimulating, and diverse work environment. Dow AgroSciences is an affirmative action, equal opportunity employer.

Interested candidates should send a letter of interest, resume, and the names, addresses, and phone numbers of three references to:

Dow AgroSciences
Human Resources Recruiting
9330 Zionsville Road
Indianapolis, IN 46268-1054
Careers@dowagro.com
Fax: 317-337-4103
Attn: Job Code HB-001

Associate Letters Editor

Science, an international, general-interest scientific magazine, invites applications for the position of Associate Letters Editor. The successful candidate will be responsible for coordinating all aspects of the Letters Section in the magazine. Applicants should have a B.Sc. (or equivalent) in science, with 5-10 years experience in a publishing environment (graduate research experience may substitute in part), strong English-language skills, a strong interest in all aspects of science, excellent judgment and interpersonal skills. Please mail a cover letter with resume and salary requirements to:

**The American Association for the
Advancement of Science (AAAS)**
Suite 102
Associate Letters Editor Vacancy
1200 New York Ave., NW
Washington, DC 20005
fax 202 682-1630 or
e-mail to: hr-temp@aaas.org.

Visit us at www.aaas.org. AAAS offers competitive salary, excellent benefits and convenient location close to Metro.

EOE. Non-smoking work environment.

Science

Postdoctoral Positions in Jak/Stat and β -catenin Signaling

The Laboratory of Genetics and Physiology at the National Institute of Diabetes, Digestive and Kidney Diseases looks for two post-doctoral scientists to investigate the Jak2/Stat5 and β -catenin signaling pathways in development and disease. We use multiple established and novel approaches in the field of Mouse Genetics, Cell Biology and Bioinformatics to understand how cytokines control the specification, proliferation and differentiation of mammalian cells (Hennighausen and Robinson, *Developmental Cell*, 1, 467; Miyoshi et al., *J Cell Biol.*, 155, 531; Miyoshi et al., *PNAS*, 99, 219). We are an international team with members from eight countries on three continents and our research ranks among the top 1% as established by the ISI. Former members of our laboratory hold positions in Academia, Industry and Government. For more information about our research program see <http://mammary.nih.gov/lgp/lab>

Contact:

Lothar Hennighausen, Ph.D.
Laboratory of Genetics and Physiology
National Institute of Diabetes, Digestive
and Kidney Diseases
hennighausen@nih.gov

NIH is an Equal Opportunity Employer.

Vision Scientist Associate or Full Professor in Ophthalmology

Full-time faculty position available in the Department of Ophthalmology, at the University of Washington. The University of Washington has a leading vision research program with over 30 vision research principal investigators in eleven departments. Responsibilities include research and teaching. The successful candidate will occupy a newly renovated laboratory, an endowed professorship, and ample startup funding. Individuals with a molecular-cellular research focus on the retina, glaucoma, or cornea are encouraged to apply. Consideration will also be given to researchers with more basic research interests in areas with strong relevance to vision research, including apoptosis, neural protection, or cell cycle. Candidates must have an MD, PhD, or equivalent degree.

Applicants should send their curriculum vitae, a specific statement of research plans, and arrange for four letters of recommendation to: **Steven E. Wilson, MD, Grace E. Hill Chair in Vision Research, Professor and Chair, Department of Ophthalmology, University of Washington School of Medicine, Box 356485, Seattle, WA 98195-6485.**

The University of Washington is an Affirmative Action, Equal Opportunity Employer. Women and minorities are encouraged to apply.

IMMUNOGEN, INC.

Creating Cures

Use your career to fight cancer.



ImmunoGen, Inc. is developing new antibody-based therapeutics using its Tumor-Activated Prodrug (TAP) technology.

This exciting new technology will allow us to target tumors with more precision than ever before. We're seeking talented individuals who are motivated to continue the fight against cancer in a flexible, creative environment.

SCIENTIST - Preclinical Research

This key position will lead the preclinical development group responsible for ImmunoGen's novel anti-cancer agents. The successful candidate should possess a Ph.D. in a relevant biological science with 5 plus years' experience. Familiarity with pharmacology, pharmacokinetics, toxicology and immunohistochemistry, with a proven ability to write reports and scientific publications in these disciplines, is essential. Experience in the field of cancer biology would be desirable.

SCIENTIST - Analytical Development

Come join our newly established Analytical Development group. The focus of the group is on structural characterization of our TAP conjugates and development of quantitation, purity and microheterogeneity methods to be used for Process Development and Quality Control. Ideal candidates will have a Ph.D. in Analytical Chemistry, Biochemistry or Chemistry with additional relevant experience. A good understanding of Mass Spectrometry (e.g., ESI and MALDI) and/or chromatographic methods development and qualification is essential. Experience with characterization of small molecules (identification of structure, related species and degradation products), as well as proteins (mapping, sequencing, determination of sites of modification and degradation products), is desirable.

SCIENTIST - Exploratory Research

We are looking for a Ph.D.-level scientist to join the Exploratory Research Group at ImmunoGen. The successful candidate will join a research team addressing fundamental problems in cancer biology and exploring new therapeutic strategies for cancer. Qualifications for the position include a strong background in either molecular-cell biology or biochemistry and 0-4 years' of post-doctoral training.

SCIENTIST - Biochemist

Become part of a growing team engaged in the development of novel antibody-based cancer therapeutics based on ImmunoGen's proprietary TAP technology. Applicants should possess a Ph.D. in Biochemistry or a related field and 1 to 4 years' experience in protein purification, protein characterization methods, protein conjugation, and analytical methods.

SCIENTIST - Chemistry

The successful candidate will design and synthesize highly bioactive compounds that will lead to potent, target-selective antitumor drugs. We are seeking an innovative scientist with experience in modern synthetic organic/ medicinal chemistry. Candidates should have an interest in rational drug design and bio-organic chemistry, strong analytical skills, and the ability to work with a multidisciplinary team. A Ph.D. in Chemistry is required. Post-doctoral experience is desirable.

SCIENTIST - Cell Biology/Biochemistry

As a member of a dynamic team, you will conduct research on the antibody-targeted delivery of drugs for the treatment of cancer. Applicants should possess a Ph.D. in Biology or a related field.

MANAGER - Assay Development

This candidate will be responsible for managing our Assay Development group. Responsibilities include developing ELISA and cell-based assays for characterization of our TAP products. Candidates should have an M.S. or Ph.D. in Biology or Biochemistry and a minimum of 5 years' experience.

MANAGER - Antibody Expression

This individual will be responsible for leading a development group that produces manufacturing cell lines. Candidate should have experience with antibody expression in CHO cells, large-scale antibody production and media development. Should possess an M.S. or Ph.D. in a related field and a minimum of 5 years' industry experience.

RESEARCH ASSOCIATE -

Chemistry

The successful candidate will synthesize highly bioactive compounds that will lead to potent, target-selective antitumor drugs. We are seeking a chemist with some experience in modern organic synthesis. Candidates should have strong analytical skills, a desire to learn, and the ability to work with a multidisciplinary team. A B.S. or M.S. in Chemistry is required.

RESEARCH ASSOCIATE -

Cell Biology/Molecular Biology

We need a highly motivated individual to join our discovery group. The successful candidate should have a B.S. or M.S. in Biology/Biochemistry or a related field and 1-4 years' experience in biomedical research. Strong technique skills in biochemistry, cell biology or molecular biology, a desire to learn, and the ability to work independently under the guidance of a supervisor are essential.

ImmunoGen, Inc. offers an excellent salary and benefits package, including 100% paid health and dental insurance, 401(k), life & AD&D insurance, short-term and long-term disability and tuition assistance. Please send a detailed resume to: Director of Human Resources, ImmunoGen, Inc., 128 Sidney Street, Cambridge, MA 02139; Fax: (617) 995-2510; E-mail: resumes@imgn.com. An Equal Opportunity Employer

IMMUNOGEN, INC.

www.immunogen.com

POSITIONS OPEN



TENURE-TRACK FACULTY POSITIONS Georgetown University School of Medicine Department of Pharmacology

The Department of Pharmacology, Georgetown University School of Medicine, is beginning recruitment for tenure-track faculty positions at the rank of **ASSISTANT/ASSOCIATE PROFESSOR**. These positions provide a competitive salary and generous start-up package. We are seeking candidates whose research emphasizes the use of targeted gene disruption, stem cell biology, transgenic animal models, molecular imaging, or electrophysiology to investigate problems in neurobiology, cardiovascular biology, or other areas of contemporary pharmacology. The Department has national prominence, substantial extramural funding, and a very active graduate training program, providing an enriching environment for research collaborations, mentorship, and excellence in teaching. Applicants should send their curriculum vitae, a statement of their research goals, three reprints, and arrange to have three letters of reference sent to: **Dr. Kenneth L. Dretchen, Chairman, Department of Pharmacology, Georgetown University School of Medicine, 3900 Reservoir Road, N.W., SE 402 Med-Dent Building, Washington, DC 20007. FAX: 202-687-2585; e-mail: dretchek@georgetown.edu.** For more information, visit our website: <http://www.georgetown.edu/departments/pharmacology/index.html>. *Applications are encouraged from women and underrepresented minorities.*

ASSISTANT PROFESSOR IN GENETICS OF BEHAVIOR New Position at California Institute of Technology

We invite applications for a tenure-track Assistant Professor appointment in the Division of Biology at the California Institute of Technology. We are seeking highly qualified candidates who are committed to a career in research and teaching. The applicant should conduct research directed at using genetic and/or molecular approaches to understand animal behavior. We encourage applications from individuals working on vertebrate or invertebrate systems. The initial appointment term is four years; appointment is contingent upon completion of all the requirements for a Ph.D.

Applicants should submit curriculum vitae, list of publications, a brief statement of research interests and teaching experience, and arrange for three letters of recommendation to be sent to:

**Chair of Genetics of Behavior Search Committee
Division of Biology 216-76
California Institute of Technology
Pasadena, CA 91125**

The California Institute of Technology is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

OPEN-RANK, TENURE-TRACK FACULTY POSITIONS

Department of Psychiatry. Candidates should have a Ph.D. and/or M.D. degree and at least two years of postdoctoral experience. We are seeking individuals who will be able to direct an independently funded research program in some aspect of neuroendocrinology. Candidates with expertise in the neuroendocrine mechanisms of obesity of stress are particularly encouraged to apply. Qualifications and experience will determine academic rank. Very competitive salary and benefits. Please send curriculum vitae (noting Control Number) to: **James R. Hillard, M.D., Chairman, University of Cincinnati Medical Center, Department of Psychiatry, 231 Albert Sabin Way, Cincinnati, OH 45267-0559. E-mail: hillarjr@email.uc.edu** (Control Number 22UC0739, 740,741,742).

POSITIONS OPEN



UNIVERSITY OF ARKANSAS AT PINE BLUFF (UAPB) Pine Bluff, Arkansas

The University of Arkansas at Pine Bluff (UAPB), a mid-sized land grant university located in beautiful and scenic southeastern Arkansas, is the second oldest public institution in the state. Founded in 1873 as Branch Normal College, it has a rich history and is now a part of the University of Arkansas System. The University offers more than 50 undergraduate degrees including a unique regulatory science degree and three graduate degrees: elementary education, secondary education, and aquaculture fisheries. UAPB has the following position: **ASSISTANT/ASSOCIATE PROFESSOR** of biomedical sciences (nine-month, tenure-track position in one of the biomedical sciences).

The successful candidate will hold the Ph.D. degree in an appropriate discipline (bioinformatics preferred). He/she will be required to develop and maintain an active research program, guide students in research projects, and engage in effective and innovative teaching. The selected candidate will be expected to work closely with professors at UALR, UAMS, and UAF to develop multidisciplinary research partnerships. Results from the research are to be interwoven into the instructional program at UAPB with the overall goal of getting more students into graduate education. The person must be sensitive to working with a diverse student population and committed to the education of minority students. Rank and salary will be commensurate with education and experience.

Review of applications will begin February 28, 2002. Position will remain open until a suitable candidate is found. Employment date is August 15, 2002 (an earlier start date is possible). More information on the position and the University may be obtained from the University's website: <http://www.uapb.edu> or by contacting the **Office of the Dean, School of Arts and Sciences, University of Arkansas at Pine Bluff, Mail Slot 4818, 1200 North University, Pine Bluff, AR 71601. Telephone: 870-575-8210 or 870-575-8054; FAX: 870-543-8055.**

UAPB is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION in infectious diseases. The Department of Veterinary and Microbiological Sciences at North Dakota State University invites applications for a tenure-track faculty position in infectious diseases, which is expected to be filled at the level of **ASSISTANT PROFESSOR**. The successful candidate will teach undergraduate- and graduate-level courses relevant to our degree programs in microbiology and molecular pathogenesis and establish an independent research program in infectious disease that complements existing strengths in bacteriology, virology, and immunology. For further information, see the departmental website: <http://www.ag.ndsu.nodak.edu/vms/>. Candidates must have a relevant Ph.D. degree, a commitment to teaching, appropriate research experience with evidence of recent research accomplishments, and good oral and written communication skills. Teaching experience, postdoctoral research experience, and evidence of grantsmanship ability are preferred. Review of applications will begin March 15, 2002, and will continue until the position is filled. Send a letter of application including curriculum vitae and the names and e-mail addresses of three references to: **Michael Robinson, Ph.D., Chair, Search Committee, Department of Veterinary and Microbiological Sciences, North Dakota State University, Fargo, ND 58105. Telephone: 701-231-7841; FAX: 701-231-7514; e-mail: m.robinson@ndsu.nodak.edu.** *North Dakota State University is an Equal Opportunity Institution.*

POSITIONS OPEN



Vollum Institute

The Vollum Institute is seeking an outstanding Scientist for a faculty appointment. We are particularly interested in individuals with a research focus in the general areas of molecular and cellular neuroscience, molecular genetics, and/or mechanisms of signal transduction. Although we plan to fill this position at the **ASSISTANT PROFESSOR** level, applications at a more advanced level will also be considered. We offer an attractive start-up package and the opportunity to work in an outstanding scholarly and scientific environment that includes strong ties to related departments at Oregon Health and Science University. Applicants should have a well-established record of research; the potential to develop an independent, funded research program; and a commitment to the training of graduate students.

Candidates with a Ph.D. and/or M.D. and several years of postdoctoral experience should apply by April 15, 2002, sending a copy of their curriculum vitae; a description of research plans and goals; and the names of three references to:

**Vollum Faculty Search Committee
c/o Susan G. Amara, Ph.D.
Vollum Institute, L474**

**Oregon Health and Science University
3181 S.W. Sam Jackson Park Road
Portland, OR 97201-3098**

Website: <http://www.ohsu.edu/vollum>

BIOLOGICAL AND ENVIRONMENTAL SCIENCES: ASSISTANT PROFESSOR (full-time, tenure track) beginning August 1, 2002. Environmental Toxicologist. Ph.D. required. Responsibilities include lectures and/or laboratories in environmental chemistry, general toxicology, advanced toxicology, environmental toxicology and risk assessment, and hazardous and toxic wastes. Scholarly activities and a productive research program involving graduate and undergraduate students are expected. Advising students and participation in departmental matters are required. Preference will be given to candidates with demonstrated excellence in college or university teaching. Send curriculum vitae, transcripts, and three reference letters to: **Dr. Charles Nelson, Head, Department of Biological and Environmental Sciences, 615 McCallie Avenue, Department 2653, The University of Tennessee at Chattanooga, Chattanooga, TN 37403.** Screening of credentials will begin on March 8, 2002, and will continue until the position is filled. *The University of Tennessee at Chattanooga is an Equal Employment Opportunity/Affirmative Action/Title VI and IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Institution.*

The Department of Space Studies at the University of North Dakota seeks a **SPACE LIFE SCIENCES PROFESSOR**. A 12-month tenure-track appointment is anticipated to start in July 2002. A Ph.D. or M.D. in space life sciences is required. Duties include teaching graduate and undergraduate courses on campus and through distance learning technologies, research, advising students, and University/community service. See website: <http://www.space.edu> for more information. Space Studies is a strongly interdisciplinary program featuring an M.S. degree and an undergraduate minor. A Ph.D. program is planned to start in fall 2003 to which the new hire will be expected to contribute. Send a letter of application; curriculum vitae; teaching, research, and service statements; and names and contact information for three references to: **Chair of Space Life Science Search Committee, Department of Space Studies, University of North Dakota, P.O. Box 9008, Grand Forks, ND 58202-9008 U.S.A. E-mail: search@space.edu.** Review of applications will begin March 1, 2002, although the position will remain open until filled. *University of North Dakota is an Equal Opportunity/Affirmative Action Employer.*

**Tenure or Tenure Track Position in the Cardiovascular Branch
National Heart, Lung, and Blood Institute
National Institutes of Health
Bethesda, Maryland**



The Cardiovascular Branch of the National Heart, Lung, and Blood Institute is seeking a clinician/scientist to direct an independent, laboratory based research program relevant to the treatment or understanding of cardiovascular disease. These efforts will be based in the newly constructed Clinical Research Center. This newly created laboratory position has full access to a range of state of the art core facilities for genomics, bioinformatics, imaging and knockouts. The candidate will join a department with active research in a number of areas including cell cycle regulation of smooth muscle cells, gene therapy, redox-dependent signal transduction and genomic applications in cardiovascular disease. The ideal candidate would have a M.D. and/or Ph.D. degree with preference given to someone BC/BE in Cardiology. Experience in molecular or cellular biology as evidenced by prior publications in peer reviewed journals is essential. Position (tenure or tenure-track), salary and research support will be commensurate with experience. Tenure-track candidates are supported for up to 6 years before consideration for tenure. **Appointees must be a U.S. citizen, resident alien, or nonresident alien with a valid employment-authorized visa.**

Applications must be received by **March 1, 2002**. Please submit a curriculum vitae and brief statement of research interests along with names of three references to:

**Mr. Don Ouellette
Human Resources Branch
National Heart, Lung and Blood Institute
31 Center Drive MSC 2484
Building 31/Room 5A28
Bethesda MD 20892-2484**

PLEASE INCLUDE VACANCY IDENTIFIER HL-02-0003 ON ALL CORRESPONDENCE.

NIH is an Equal Opportunity Employer. Applications from women, minorities and persons with disabilities are strongly encouraged. The NHLBI/NIH is a smoke-free workplace.



**National Institutes of Health
National Institute on Aging
Behavioral and Social Research Program
(BSR)**

**Branch Chief (1) and Health Scientist
Administrators (2)**

Seeking one Branch Chief (at GS15) and two Health Scientist Administrators (at GS13/14) for fast-paced extramural research program office. BSR, one of four NIA extramural research programs, supports training and basic social and behavioral research on aging processes and older people in society. BSR is organized into two branches, one focusing on Individual Behavioral Processes, and one on Population and Social Processes. Major areas of BSR emphasis include the Aging Mind; Health Disparities; Genetics, Behavior and the Social Environment; Increasing Health Expectancy; Health, Work and Retirement; and Interventions and Behavior Change. Integration among psychological, physiological, social and cultural levels of analysis is emphasized. Please visit the following site and search by the vacancy announcement numbers for qualifications required, evaluation criteria, and application instructions: <http://careerhere.nih.gov/CHPublic/hrvacmenu.taf>. Vacancy Announcement Numbers are: (1) NIA-01-542A for the Branch Chief position in the Population and Social Processes Branch; (2) NIA-01-547A for the Health Scientist Administrator position in the Population and Social Processes Branch; and, (3) NIA-01-546A for the Health Scientist Administrator position in the Individual and Behavioral Processes Branch. Applications for all three positions must be received no later than February 25, 2002. For information on application procedures, call Ms. Chris O'Connor at 301-496-5347.

NIH is an Equal Opportunity Employer.

NEW MOMENTUM IN GENOMICS RESEARCH

It's happening now in Waltham, Massachusetts, just west of Boston. That's where Altana, a successful, fast-growing international pharmaceutical company and GPC Biotech have formed a genomics/proteomics and bioinformatics technology alliance. Together, they've created an exciting new Genomics Research Center known as the Altana Research Institute. The Institute's technology platform will be used for drug research and development applications in Gastroenterology, Inflammation and Oncology. Your expertise can make a critical difference in the Institute's progress and growth.

Director - IT/Bioinformatics Group & Automation Unit

Reporting to the Institute's COO, you'll manage a group of Bioinformaticians, IT Specialists and Scientists for laboratory automation, database management and robotics applications in genomics/proteomics research. In addition, you'll coordinate activities between your group and our parent company's headquarters in Konstanz, Germany.

To qualify, you'll need a PhD in Bioinformatics or a closely related field and 5+ years' experience in both scientific and managerial capacities in a bioinformatics research environment. In-depth knowledge of operating systems such as UNIX, LINUX and Windows NT/2000/XP is essential. The ability to set up and maintain nucleic acid and protein databases in both flat file and relational data structures is also necessary. Programming skills in Oracle/SQL, Java, HTML, XML and/or other high-level programming languages helpful, as is a mathematical background in applied statistics or biostatistics. Intimate knowledge of regulatory networks in biological systems a definite advantage. German language skills also helpful. Occasional international travel (primarily Europe).

Please apply online at:
www.altanainc.com
EOE/AA M/F/D/V

ALTANA
RESEARCH INSTITUTE

POSITIONS OPEN



CANADA RESEARCH CHAIRS Yeast Genomics and Viticulture/Plant Genomics Wine Research Centre and the Biotechnology Laboratory The University of British Columbia

The Wine Research Centre (website: <http://www.agsci.ubc.ca/wine>) and The Biotechnology Laboratory (website: <http://www.biotech.ubc.ca>) invite applications for nomination to two Tier II Canada Research Chairs (website: <http://www.chairs.gc.ca>), which are full-time tenure-track positions. The Chairs will contribute to development of the Faculty of Agricultural Sciences' Wine Research Centre and the Biotechnology Laboratory through graduate research training, colleague mentoring, teaching at the graduate and undergraduate levels, and developing collaborative research initiatives.

ASSISTANT PROFESSOR: Yeast Genomics.

You will initiate a creative and extensive research program in functional genomics of *S. cerevisiae* enhancing our understanding of fundamental processes in this yeast. Experience in DNA array technology and/or proteomics will be an advantage. A Ph.D. in enology, biochemistry, microbiology, genetics, biotechnology, or a related field is a must.

ASSISTANT PROFESSOR: Viticulture/Plant Genomics.

You will establish a creative and extensive research program in molecular viticulture, interacting closely with the *Arabidopsis* research group at UBC. There are excellent opportunities for collaboration with Scientists in Food Science and UBC Botanical Garden and Centre for Horticulture as well as with Agriculture and Agri-Food Canada Scientists. Experience in plant molecular biology and SAGE and EST analysis (particularly as it applies to viticulture) will be an advantage as is a Ph.D. in viticulture, botany, biochemistry, genetics, or related field. The closing date for applications is March 31, 2002. Applications including a résumé, statement of research interests, and the names of three references should be sent to: **Dr. Jim Thompson, Associate Dean, Research, Faculty of Agricultural Sciences, 2357 Main Mall, The University of British Columbia, Vancouver, BC V6T 1Z4 Canada. E-mail: jrthomp@interchange.ubc.ca.** UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply. Canadian citizenship is not required.

ASSOCIATE PROFESSOR OF IMMUNOLOGY

Department of Microbiology and Immunology Medical College of Ohio

Applications are invited for a 12-month, tenured/tenure-track faculty position. Applicants must have an independent, extramurally funded research program in an area of immunology such as immune response to microbial infection. In addition to teaching medical and graduate students, the successful candidate will be expected to participate in existing bacterial and fungal pathogenesis programs within the Department.

The Department is in a growth phase and there is the potential for the successful candidate to concurrently or subsequently recruit a second faculty position to support the development of immunology. MCO is a state school with a modern campus. To learn more about the Department and MCO, visit our website: <http://www.mco.edu>. Applicants should submit a statement of research goals with representative reprints, curriculum vitae, and the names of five references to: **Garry T. Cole, Ph.D., Chair, Department of Microbiology and Immunology, Medical College of Ohio, 3055 Arlington Avenue, Toledo, OH 43614-5806.** Applications should be received by March 15, 2002, although the search will continue until the position is filled. *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

Des Moines University

Des Moines University - Osteopathic Medical Center

FACULTY POSITION ANATOMY

The Department of Anatomy at Des Moines University-Osteopathic Medical Center invites applications for a position of **ASSISTANT PROFESSOR** of anatomy. Primary teaching responsibilities will include gross anatomy, neuroanatomy, and histology to medical, podiatric, and allied health students. The successful candidate will be expected to develop an extramurally fundable research program. Postdoctoral experience desirable. Submit a letter of application including statements of teaching philosophy and research interests, curriculum vitae, and contact information for three references to:

William J. Dyche, Ph.D.
Chair, Search Committee
Department of Anatomy
Des Moines University
Osteopathic Medical Center
3200 Grand Avenue
Des Moines, IA 50312-4198

DMU is an Equal Opportunity Employer.

ASSISTANT PROFESSOR ANIMAL PHYSIOLOGY

Department of Zoology The University of British Columbia

The Department of Zoology at the University of British Columbia is seeking an Environmental/Integrative Physiologist with a Ph.D. (or equivalent) and with some postdoctoral experience. The successful candidate must have an excellent record of research accomplishment, demonstrate superior teaching ability, and show potential for interaction with a core group of Animal Physiologists and a broadly based group of Ecologists and Evolutionary Biologists. They are expected to develop and sustain a strong, externally funded research program that involves the training of graduate students and contribute to teaching core courses in animal physiology at the undergraduate and graduate levels.

Applications including curriculum vitae, summary of research and teaching interests, and the names of three references who have been asked to provide letters should be sent to: **Dr. John Gosline, Acting Head, Department of Zoology, University of British Columbia, 6270 University Boulevard, Vancouver, BC V6T 1Z4 Canada. FAX: 604-822-5780; e-mail: head@zoology.ubc.ca.** Deadline for receipt of applications is March 1, 2002. Salary will be commensurate with experience. Appointment will be subject to final budgetary approval.

The University of British Columbia hires on the basis of merit and is committed to Employment Equity. We encourage all qualified candidates to apply; however, Canadians and permanent residents of Canada will be given priority.

FACULTY POSITION MOLECULAR/CELL BIOLOGY The University of Chicago

The University of Chicago seeks outstanding candidates for tenure-track faculty; rank will be commensurate with experience and qualifications.

Candidates who have scientific interests and experience in any field of cancer biology including but not limited to biology, tumor suppressor genes, oncogenes, cancer genetics, signal transduction, angiogenesis, apoptosis, and translational research should send a letter of interest, curriculum vitae, and names of references to: **Dr. Ralph R. Weichselbaum, Professor and Chairman, Department of Radiation and Cellular Oncology, 5758 South Maryland Avenue MC9006, Chicago, IL 60637. FAX: 773-834-7233; e-mail: rrw@radonc.uchicago.edu.**

The University of Chicago is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.

POSITIONS OPEN

FACULTY POSITIONS Biomedical Engineering University of Rochester

The University of Rochester invites applications for two tenure-track positions at the level of **ASSISTANT** or **ASSOCIATE PROFESSOR** in the Department of Biomedical Engineering (BME). Applicants must have a Ph.D. or M.D. degree and should have significant research accomplishments. Candidates with research interests in the areas of orthopaedic or ophthalmic tissue engineering, peripheral vascular function, or neural engineering are particularly encouraged to apply, but applications are welcome from outstanding candidates in other areas of BME. Successful candidates are expected to develop and maintain independent, extramurally funded research programs and to participate in departmental teaching programs. The University of Rochester, supported by a recent Development Award from the Whitaker Foundation, is committed to a major enhancement of our programs including the establishment of endowed chairs in Biomedical Engineering (advertised separately). Review of candidates will continue until the positions are filled. Applicants should send curriculum vitae, recent reprints, a statement of research interests and plans, and the names of at least three references to: **Dr. Richard E. Waugh, Chair, Faculty Search Committee, Biomedical Engineering, University of Rochester, Medical Center Box 639, 601 Elmwood Avenue, Rochester, NY 14642. Website: <http://www.seas.rochester.edu/bme>.** The University of Rochester is an Equal Opportunity/Affirmative Action Employer; applications from women and underrepresented minorities are encouraged.

FACULTY POSITION

Applications are invited for a tenure-track position at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level in the Department of Physiology and Biophysics, University of Miami School of Medicine. (In exceptional cases, an appointment at tenured Full Professor will be considered.) We seek candidates with demonstrated research interests in the neurosciences and/or cardiovascular physiology using biophysical, molecular, genetic, and/or cellular approaches. Candidates should have a Ph.D. and/or M.D. degree in a relevant field as well as postdoctoral training and publications in highly rated journals. The successful candidate will be expected to conduct an active, independent, funded research program and to contribute teaching with excellence in medical and graduate courses in neuroscience and physiology. Send paper copies of letter of application, curriculum vitae, statements of research and teaching interests, and copies of three publications to: **Dr. Gerhard Dahl, Chair, Faculty Search Committee, Department of Physiology and Biophysics, R-430, University of Miami School of Medicine, 1600 N.W. 10th Avenue, Miami, FL 33136.** Letters of recommendation from three references should be sent directly to the same address. Review of applications will commence February 15, 2002, and will continue until the position is filled. *The University of Miami is an Equal Opportunity/Affirmative Action Employer.*

The Department of Environmental Science at the University of San Francisco (USF) invites applications for a tenure-track **ASSISTANT PROFESSOR** position in environmental science and studies with a specialty in land use planning and resource management to begin fall 2002. For details, please see website: <http://www.usfca.edu/envsci/>. University of San Francisco is an Affirmative Action/Equal Opportunity Employer.



**UNIVERSITY OF
CAMBRIDGE**

**Cambridge Institute for
Medical Research**

Department of Haematology

RESEARCH ASSOCIATES (4 POSTS)

Salary range: £17,451 - £26,229 per annum

Four postdoctoral/Research Associate positions are available to study protein structure and function. Experience in protein expression, purification and biophysical techniques, including protein crystallography and/or NMR preferred. Projects focus on glycosaminoglycan activation of antithrombin and heparin cofactor II, and the molecular basis of Huntington's Disease.

Qualification and experience required: PhD with experience in protein expression, purification and characterisation.

Please send CV and contact details of three referees (preferably by e-mail) to: Dr. James A. Huntington, University of Cambridge, Dept. of Haematology, Division of Structural Medicine, Wellcome Trust/MRC Building Hills Road, Cambridge, CB2 2XY, United Kingdom. Email: jah52@cam.ac.uk Fax: +44 (0) 1223 336827

Applications will be considered until all posts are filled.

Xenogen Biosciences is in search of:

Director

Xenogen Biosciences, a biotech company, is seeking a Director to be responsible for managing molecular biology, animal colony and transgenic production groups. The successful candidate will be responsible for the gene targeting and transgenic experiments at our Cranbury facility. To perform this job successfully, this candidate must have a Ph.D. in Biology or related field with 8-12 years related experience. Knowledge of transgenic and knock out mouse production is preferred. Excellent managing skills, good verbal and written skills required. Ability to work in team-oriented environment.

Research Associate III

Primarily responsible for conducting various cell/tissue experiments. This individual must have a B.S. in Biology or related field with 2-5 years of experience. Experience with ES cell culture, southern blot and PCR analysis.

Candidates interested should mail or fax current curriculum vitae to:

Xenogen

Attn. Human Resources Department
5 Cedar Brook Drive
Cranbury, N.J. 08512
Fax: (609) 860- 8977

EOE

SCHERING

"We want you and your commitment"

Physician
as a Scientist in the Strategic Business Unit Diagnostics, Medical Scientific Affairs

Your job

involves answering scientific questions and updating the basic information for marketed products. You will plan, coordinate, and support clinical post-marketing studies, stay abreast of relevant scientific literature, prepare scientific information material, write articles for publication, and make presentations. Moreover, you will be responsible for recognizing new developments early on and assessing their significance for in vivo diagnostic application, which will entail maintaining good relationships with our domestic and international medical and marketing staff, renowned clinicians, and equipment manufacturers.

Your qualification

is an M.D. degree and several years of clinical experience, for example, in radiology, cardiology or nuclear medicine. Knowledge of CT and MRI diagnostic imaging and of nuclear medical imaging techniques is a particular advantage. Fluent oral and written English and German as well as excellent computer skills are absolutely necessary for the job. In addition, we are looking for someone who is highly motivated, has an authoritative and professional manner, and is able to work independently but with a team orientation.

We offer you

an independent and challenging position with the possibility of realizing your own ideas in a team. We also offer you good opportunities for continuing education and the extensive benefits of a large modern company.

We are a research-oriented pharmaceutical company. Our objective is to make a lasting contribution to the progress of medical science and to improve the quality of human life via the medium of innovative ideas. We are engaged in the development of highly advanced medical specialities: hormone preparations, diagnostics and radiopharmaceuticals, dermatological products and therapeutic drugs for the treatment of severe illnesses. More than 24,500 employees worldwide are engaged in the pursuit of these objectives. Health care is our primary objective, which we approach with due responsibility to man and the environment for the establishment of a future worth living.

Please submit your application, CV, and salary requirements to:
Schering Aktiengesellschaft, Personalabteilung FMV, 13342 Berlin
For more information contact Mrs. Schramm,
Telephone: +49 30 4 68-1 41 36, E-Mail: Marion.Schramm@Schering.de
Visit our web site: <http://www.schering.de>

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POSITIONS OPEN

RESEARCH POSITION Neuroimaging of Alzheimer's Disease

The University of Wisconsin (UW)—Madison seeks an **INVESTIGATOR** for a tenure-track position with research interests in neuroimaging of Alzheimer's disease (AD). The individual should have demonstrated excellence in AD research and is expected to establish a strong collaborative program in neuroimaging of AD. The UW is a premier academic institution providing remarkable resources relevant to AD research including (among others) state-of-the-art equipment of the Keck's Laboratory for Functional Neuroimaging and Behavior (with a GE 3T MRI scanner and a GE Advance PET scanner), the Weisman Center, the Center for Neurosciences, the Health Emotions Research Institute, the Wisconsin Alzheimer's Institute, the Institute on Aging, and the Memory Research Program.

The successful candidate is expected to have an M.D., Ph.D., or M.D./Ph.D. and will hold a faculty appointment in an appropriate department. Submit curriculum vitae, a summary of research interests and program, recent publications, and three letters of reference to: **Sanjay Asthana, M.D., Head, Section of Geriatrics, 2870 University Avenue, Suite 106, Madison, WI 53705. FAX: 608-263-7645; e-mail: sa@medicine.wisc.edu.**

The UW—Madison is an Equal Employment Opportunity/Affirmative Action Employer and has an open records law. Wisconsin Caregiver law also applies.

BIOLOGY SOUTHWEST STATE UNIVERSITY

Southwest State University invites applications for an entry-level, tenure-track **ASSISTANT PROFESSOR** for a teaching position to begin as early as August 2002. Minimum requirements include Ph.D. in physiology, anatomy, or related discipline; demonstrated teaching skills; and commitment to undergraduate teaching. Teaching responsibilities include introductory human physiology and anatomy, introductory biology (nonmajors), curriculum development, student advising, and other university and regional service. Successful candidate will also develop one or more upper-level courses in area of expertise. To apply, send (1) curriculum vitae; (2) statement of teaching philosophy; (3) copies of undergraduate transcripts and official graduate transcripts; (4) teaching evaluations; and (5) three letters of reference. Direct inquiries and application materials to: **Office of Human Resources, Southwest State University, 1501 State Street, Marshall, MN 56258. Telephone: 507-537-6208; e-mail: okrinab@southwest.msus.edu.** Review of applications will begin February 1, 2002, and will continue until the position is filled.

Southwest State University is an Equal Opportunity Employer and Employer. Applicants must be able to lawfully accept employment in the United States.

ENVIRONMENTAL STUDIES: one-year, tenure-track position beginning fall 2002 to teach courses integrating natural sciences with social, economic, and political approaches to environmental study and problem solving. Three courses per semester include introductory environmental studies, writing-intensive courses in environmental assessment, and upper-level course in candidate's area of expertise. Ph.D. or Master's and equivalent experience desired. Allegheny is a highly selective liberal arts college. Send application letter; curriculum vitae; teaching/research interests; and three reference letters by March 10, 2002, to: **Dr. Richard Bowden, Chair, Department of Environmental Science, Allegheny College, Meadville, PA 16335. Websites: <http://www.allegu.edu/academics/EnvSci/links.html> and <http://cead.allegu.edu/CEED/CEEDHome.html>.** *Equal Opportunity Employer. Women/minorities encouraged.*

POSITIONS OPEN



FACULTY POSITION

The Division of Pulmonary Critical Care Medicine and the Cardiovascular Center at the Medical College of Wisconsin are recruiting for **MIDCAREER** or **SENIOR FACULTY** with an M.D. or M.D./Ph.D. degree and an established track record in basic or translational research. This position includes the potential to work with top-level basic Scientists and to direct SCOR and Program Projects along with limited clinical responsibilities. Specific areas of clinical and research interest include pulmonary hypertension and modulators of pulmonary vascular tone, novel mediators of airway tone, asthma, cystic fibrosis, lung transplantation, sleep physiology and pathophysiology, and others. Send résumé and three reference contacts to: **Elizabeth R. Jacobs, M.D., Chief, Division of Pulmonary Medicine, the Medical College of Wisconsin, FEC Fifth Floor, Room E 5425, 9200 West Wisconsin Avenue, Milwaukee, WI 53226. E-mail: ejacobs@mcw.edu.** Funding for this position is through the Cardiovascular Center and Department of Medicine.

ASSISTANT PROFESSOR BIOCHEMISTRY The Catholic University of America

The Department of Biology, with research-intensive M.S. and Ph.D. graduate programs, has a tenure-track opening for a Biochemist at the level of Assistant Professor. Investigators taking a biochemical approach to the study of problems in immunology or neurobiology are particularly encouraged to apply. Interesting research problems may include signal transduction or drug discovery. However, candidates asking novel and creative questions in any area of biochemistry will receive full consideration. The successful candidate is expected to develop a competitive, extramurally funded research program and to excel in teaching at both graduate and undergraduate levels. Please submit a statement describing research interests; curriculum vitae; and the names of three references by February 20, 2002, to: **Dr. James Greene, Chair, Faculty Search Committee, Department of Biology, The Catholic University of America, 620 Michigan Avenue N.E., Washington, DC 20064.** For more information on this position, the Department, and the University, see our website: <http://arts-sciences.cua.edu/bio/biohome.htm>.

The Catholic University of America was founded in the name of the Catholic Church as a national university and center of research and scholarship. Regardless of their religious affiliation, all faculty are expected to respect and support the University's mission.

CUA is an Equal Opportunity Employer and does not discriminate on the basis of race, religion, or disability.

BIOLOGY: ASSISTANT PROFESSOR, Mansfield University. Tenure track for fall 2002. Teach general biology/anatomy and physiology laboratories. Ph.D. in biology or related field required (A.B.D. acceptable at hire; Ph.D. required for tenure). For complete responsibilities/qualifications, see website: <http://www.mnsfld.edu/depts/resource/F632.htm>. Submit letter of intent; curriculum vitae; statement on teaching philosophy; copies of undergraduate/graduate transcripts; and names, telephone numbers, and addresses of three references to: **F632, 111 Alumni Hall, Mansfield University, Mansfield, PA 16933.** Position open until filled. For full consideration, file should be complete by March 1, 2002. *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

Research positions in neurobiology of Alzheimer's disease. The University of Wisconsin (UW)—Madison seeks **INVESTIGATORS** with research interests in the neurobiology of Alzheimer's disease (AD) for two new **TENURE-TRACK FACULTY POSITIONS**. The individuals should have demonstrated excellence in AD research and are expected to establish strong collaborative programs in the neurobiology of AD. Candidates with research interests in molecular biology, stem cell research, molecular genetics, gene therapy, and neuronal plasticity are encouraged to apply. The UW is a premier academic institution providing remarkable resources relevant to AD research including (among others) the Waisman Center, the Wisconsin Alzheimer's Institute, the Center for Neurosciences, the Health Emotions Research Institute, the Institute on Aging, and the Memory Research Program.

The successful candidate is expected to have an M.D., Ph.D., or M.D./Ph.D. and will hold a faculty appointment in an appropriate department. Submit curriculum vitae, a summary of research interests and program, recent publications, and three letters of reference to: **Sanjay Asthana, M.D., Head, Section of Geriatrics, 2870 University Avenue, Suite 106, Madison, WI 53705. FAX: 608-263-7645; e-mail: sa@medicine.wisc.edu.** *The UW—Madison is an Equal Employment Opportunity/Affirmative Action Employer and has an open records law. Wisconsin Caregiver law applies.*

CHAIRMAN Molecular Genetics and Cell Biology The University of Chicago

The Division of the Biological Sciences, which includes The Pritzker School of Medicine at the University of Chicago, is seeking a Chairman of the Department of Molecular Genetics and Cell Biology. This is a multidisciplinary department with approximately 30 faculty in the fields of cell biology, developmental biology, genetics, plant biology, microbiology, and virology. The Chairman reports to the Dean of the Division and is responsible for providing academic and administrative leadership in research and teaching of undergraduate, graduate, postgraduate, and medical students. The successful applicant will have an outstanding record of scientific accomplishment and demonstrated teaching and administrative abilities that will qualify him/her for the rank of **PROFESSOR**. Please send curriculum vitae and the names of three individuals familiar with your work to: **Dr. Janet D. Rowley, Interim Deputy Dean for Science, The University of Chicago, 5841 South Maryland Avenue, MC1000, Chicago, IL 60637.** Applications should be submitted by March 1, 2002. *The University of Chicago is an Equal Opportunity/Affirmative Action Employer.*

TENURE-TRACK/TENURED ASSISTANT/ASSOCIATE PROFESSOR Biomedical Sciences

The University of Illinois College of Medicine at Rockford seeks one faculty person for its diversified Department of Biomedical Sciences. An M.D. and/or Ph.D. is required. Emphasis on excellence in research is deemed more critical than the field of training, although the successful candidate will be required to participate in team teaching to medical students in either pharmacology or microbiology. Current extramurally funded research is essential. Rockford is a pleasant, four-season community with affordable housing; opportunities for spousal employment; and close proximity to large urban centers and rural recreational environs. Submit curriculum vitae, a short statement of research interests, and the names and addresses of three references to: **Dr. Fu-Li Yu, Ph.D., Head, Department of Biomedical Sciences, University of Illinois College of Medicine at Rockford, 1601 Parkview Avenue, Rockford, IL 61107-1897.** Applications will be reviewed starting March 1, 2002. *The University of Illinois is an Equal Opportunity/Affirmative Action Employer.*



The Wellcome Trust Sanger Institute



Faculty Positions

£Competitive plus excellent resources

Cambridge, UK

The Wellcome Trust Sanger Institute (formerly The Sanger Centre), is at the forefront of experimental and computational genome research. We have strengths in genome sequencing, high throughput systems, informatics and analysis of gene function using genetic approaches in humans and a variety of model organisms. The Wellcome Trust has recently awarded £300 million to the Sanger Institute to support our new biological/genetics research direction as well as our existing programmes over the next five years, plus £65 million for IT infrastructure.

Applications are invited for full time faculty positions at the rank of *Investigator, Senior Investigator* and *Principal Investigator* (<http://www.sanger.ac.uk/faculty/positions.shtml>). Individuals with backgrounds in vertebrate genetics, microbial genetics or informatics are particularly urged to apply. Successful candidates will be expected to establish and maintain independent and internationally recognised research programmes. A few positions are also available where we are seeking candidates to direct programmes aimed at developing specific genome resources and infrastructure (<http://www.sanger.ac.uk/faculty/specific.shtml>).

The Sanger Institute is committed to provide a level of support so that there is no impediment to performing high quality and productive science. This includes access to our infrastructure as well as unencumbered support commensurate with the rank of appointment (<http://www.sanger.ac.uk/faculty/descriptions.shtml>).

Applicants are requested to send curriculum vitae with a full publication list by 31st March 2002. You should also provide a two page description summarising your research accomplishments to date and a three page plan of your future research goals and strategies indicating how these fit with, or make use of Sanger Institute programmes and infrastructure. Candidates interested in existing internal programmes should focus their future plans in the context of a specific programme. All candidates must provide three letters of recommendation. Please arrange to have these letters and your application sent to:

Allan Bradley, Faculty Search Committee Chair, The Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, ENGLAND. E-mail: abradley@sanger.ac.uk FAX: +44 (0) 1223 494714



NATIONAL INSTITUTES OF HEALTH NATIONAL EYE INSTITUTE

Job Opportunities

The National Eye Institute Intramural Program at the NIH campus, Bethesda, MD., is seeking highly qualified Postdoctoral Fellows, Research Associates and Staff Scientists in the following areas:

- Molecular Biology
- Cell Biology
- Immunology
- Psychophysics
- Biochemistry
- Genetics

Salaries range from \$30,800 to \$125,700 per annum, based on experience and type of appointment.

NEI offers an extensive benefits package that you may be eligible for, depending on the appointment mechanisms: Health Benefits, Life Insurance, Retirement Benefits, Annual and Sick Leave, Formal Training Program, Recruitment Bonus, Retention Allowance, Relocation Allowance, Loan Repayment Program, and Travel Benefits.

Candidates interested in specific job opportunities at the NEI may visit the NEI web site at <http://www.nei.nih.gov/> listing the most current positions available.

NIH/NEI is an Equal Opportunity Employer

FACULTY POSITIONS

Mammalian Genomics

The Wadsworth Center of the New York State Department of Health, in collaboration with Albany Medical College, seeks faculty for its growing Genomics Institute.

The Institute is dedicated to building an internationally recognized program that melds basic science and medical disciplines with genomic approaches to understanding mammalian development and diseases. Scientists studying the genetics of birth defects, cell differentiation, pharmacogenomics, or embryonic and stem cell development are particularly encouraged to apply. Outstanding resources include core facilities for DNA chip and microarray analyses, DNA and peptide sequencing and synthesis, mouse transgenics, proteomics, genotyping as well as structural analyses and imaging. Investigators will interact with the Center for Bioinformatics (a joint venture with Rensselaer Polytechnic Institute) and a molecular epidemiology program, and have access to data from one of the country's largest newborn screening programs.

Applicants require an M.D. or Ph.D. degree, postdoctoral experience and a record of high quality publications. Preference will be given to those using genomic approaches in mouse or man. Appointments with graduate teaching opportunities are through Albany Medical College and the University of Albany's School of Public Health.

Interested individuals should submit a CV, a statement of research interests, and three references to: Dr. Lorraine Flaherty, Director, Genomics Institute, Wadsworth Center, P.O. Box 22002, Albany, N.Y. 12201-2002.

Wadsworth Center, www.wadsworth.org
Albany Medical College, www.amc.edu
School of Public Health, www.wadsworth.org/educate/graduate.html

POSITIONS OPEN

MICROBIOLOGIST AND DEVELOPMENTAL BIOLOGIST FACULTY POSITIONS Search Reopened

Biology Department of Indiana University Southeast seeks qualified Ph.D.s for two tenure-track **ASSISTANT PROFESSOR** positions to begin fall 2002: (1) Microbiologist with any specialty and (2) Plant or Animal Developmental Biologist. Postdoctoral experience using modern strategies is preferred for both positions. Microbiologist will teach nursing and upper-level microbiology courses and general biology. Developmental Biologist will teach developmental biology and general biology courses. Both candidates may develop upper-level undergraduate courses in their specialty. Successful candidates are expected to pursue a research program with undergraduate students and compete for funding and are required to demonstrate potential for excellence in teaching at undergraduate level. Individual research space, start-up funds, release time for research, and competitive salary and benefits will be provided. Submit curriculum vitae; statement of interest including teaching philosophy and professional goals; up to three recent publications; unofficial copies of transcripts; and names, telephone numbers, and addresses (including e-mail) of three references by February 22, 2002, to: **Human Resources, c/o Dr. David W. Taylor, IU Southeast, 4201 Grant Line Road, New Albany, IN 47150**. For more information, visit [website: http://ius.edu/Biology/homepage.stm](http://ius.edu/Biology/homepage.stm). IU Southeast is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITIONS DIABETES RESEARCH

Vanderbilt University Medical Center

Applications are invited for full-time **TENURE-TRACK POSITIONS** at the faculty level in the Diabetes Research and Training Center. The focus of the DRTC, an NIH-designated diabetes research center, is to make discoveries in genetics, cell biology, biochemistry, structural biology, and immunology of diabetes and translate them into novel modalities for prevention, diagnosis, and treatment. Recruitment interest areas include molecular and cellular immunology, molecular biology of islet beta stem and progenitor cells, beta cell biology, insulin resistance, complications, genetics, and genomics or proteomics. Development of extramural funding for an independent program is expected. Candidates must have an M.D. and/or Ph.D. degree and an active research program. Individuals engaged in clinical or translational research related to diabetes are also encouraged to apply. Primary department affiliation and faculty rank will be determined by the applicant's qualifications. Applications containing curriculum vitae; statement of research goals; and three reference letters should be sent by March 1, 2002, to: **Dr. Roland Stein, Vanderbilt Medical School, Department of Molecular Physiology and Biophysics, 723 Light Hall, Nashville, TN 37232**. Vanderbilt University is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION ANATOMY SCHOOL OF MEDICINE Case Western Reserve University

The Department of Anatomy seeks candidates for a tenure-track position at the level of **ASSISTANT** or **ASSOCIATE PROFESSOR** with an effective date of July 1, 2002. Candidates must have a Ph.D. or equivalent degree; must have demonstrated potential to develop an independent research program; and be able to contribute to graduate and medical teaching in gross anatomy, neuroanatomy, histology, or developmental biology.

Send credentials to: **Dr. Joseph C. LaManna, Department of Anatomy, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-4930**.

An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CHAIR, DEPARTMENT OF PATHOLOGY University of North Dakota School of Medicine and Health Sciences

The University of North Dakota School of Medicine and Health Sciences invites applications and nominations for the position of Chair in the Department of Pathology. We seek an outstanding Medical Scientist with a strong research record in pathology who has a proven ability to obtain extramural support. All appropriate areas of research will be considered although research in the neurosciences would complement existing programs.

The Chair will oversee a department of 12 faculty members. The successful candidate will be expected to broaden and strengthen research within the Department and to participate in medical, graduate, and allied health education and therefore must be committed to excellence in teaching and research. The applicant should also possess interpersonal and leadership skills in mentoring faculty, directing students, and performing administrative duties.

This position does not include an active clinical pathology practice, the focus being on teaching, research, and administration. The Department is heavily involved in the design and implementation of undergraduate medical education. The Department presently directs both graduate and undergraduate programs in clinical laboratory science including a distance education modality and the cytotechnology program. The new Chair may elect whether or not to continue to direct these programs.

Further information is available at [website: http://www.med.und.nodak.edu](http://www.med.und.nodak.edu). Review of applications will begin immediately and the search will remain open until the position is filled. Applicants should submit detailed curriculum vitae; statement that addresses administrative philosophy, research goals, and teaching interests; and the names and addresses of three references to:

James E. Mitchell, M.D.
Professor and Chair, Department of Neuroscience
Chair of the Search Committee
University of North Dakota
School of Medicine and Health Sciences
1919 Elm Street North
Fargo, ND 58103
E-mail: mitchell@medicine.nodak.edu

Other sources of information on various aspects of the position include other members of the Search Committee. Regarding basic research at UNDSOM&HS, contact: **Manuchair Ebadi, Ph.D., Associate Dean for Research** (e-mail: mebadi@medicine.nodak.edu); **Ed Carlson, Ph.D., Professor and Chair of Anatomy and Cell Biology** (e-mail: ecarlson@medicine.nodak.edu); or **Richard Vari, Ph.D., Assistant Dean for Science in Medicine Education** (e-mail: rdvari@medicine.nodak.edu). Regarding educational programs, contact: **Robert Rubeck, Ph.D., Associate Dean, Office of Academic Affairs and Information Resources** (e-mail: rrubeck@medicine.nodak.edu). Regarding the Pathology Department, contact: **Mary Neboulski-Banman, Instructor in Pathology** (e-mail: mbanman@medicine.nodak.edu).

The University of North Dakota is an Equal Opportunity/Affirmative Action Institution.

The American University of Sharjah ([website: http://www.aus.ac.ae](http://www.aus.ac.ae)) seeks a Ph.D. Biologist to fill a **FULL-TIME FACULTY** position in the Biology Unit at the Department of Sciences. The successful candidate will participate in instruction and further development of the environmental ecosystems concentration within the new B.S. degree program in environmental sciences. The candidate should be broadly trained in zoology with strengths in environmental and ecological issues relating to marine, freshwater, terrestrial invertebrates, and ichthyology. AUS is currently developing a strong research profile. Faculty are expected to contribute to the research culture of the University and to publish in peer-reviewed journals. E-mail curriculum vitae to [e-mail: chaimaa@aus.ac.ae](mailto:chaimaa@aus.ac.ae); FAX: 971-6-5585067.

POSITIONS OPEN

FACULTY POSITION Immunology/Infectious Disease

Montana State University Department of Microbiology invites applications for a tenure-track faculty position at the **ASSISTANT/ASSOCIATE PROFESSOR** level. We seek an individual with potential to establish or who currently has an established extramurally funded research program in the general area of immunology or infectious diseases. An earned Doctorate (Ph.D., M.D., or D.V.M.) and postdoctoral research training are required. The successful candidate is expected to contribute to undergraduate, graduate, and medical student instruction. The position includes state-supported salary (nine months) and a generous start-up package. The Department of Microbiology is a diverse department with a strong record of research productivity and funding. A complete position announcement and information about the Department can be found at [website: http://www.montana.edu/wwwmb](http://www.montana.edu/wwwmb).

Send letter of application, summary of teaching and research accomplishments, curriculum vitae, selected reprints, and contact information for three professional references to: **Chair, Microbiology Search Committee, Department of Microbiology, Lewis Hall Room 109, Montana State University, Bozeman, MT 59717**. E-mail: cross@montana.edu. Review of complete applications will begin March 1, 2002, and continue until position is filled. *Americans With Disabilities Act/Equal Opportunity/Affirmative Action/Veterans' Preference.*

TENURE-TRACK POSITIONS Neuroscience

The Department of Neuroscience at the Chicago Medical School invites applications for tenure-track positions at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level. Current strengths of the Department include developmental neurobiology and neural stem cells, drug addiction, monoamine systems and their involvement in movement and psychiatric disorders, neurodegeneration and repair, and neuroplasticity. Individuals with complementary research interests are particularly encouraged to apply. Minimum qualifications include the Ph.D. or M.D. degree, postdoctoral experience, and a strong publication record. The successful candidate is expected to develop an independent, extramurally supported research program and to participate in the training of graduate and medical students. A competitive start-up package to assist with program development will be provided. Please send curriculum vitae, a description of research goals, a list of professional references, and representative publications to:

Marina E. Wolf, Ph.D.
Department of Neuroscience
The Chicago Medical School
3333 Green Bay Road
North Chicago, IL 60064-3095

ASSISTANT PROFESSOR OF ZOOLOGY One-Year Position

The Zoology Department of Ohio Wesleyan University, a selective undergraduate college dedicated to teaching and scholarship, invites applications for a one-year position teaching introductory cell biology and advanced cell and molecular biology (opening of a tenure-track position expected beginning August 2003). Additional position and institutional information is available from [website: http://web.owu.edu/jobs/](http://web.owu.edu/jobs/) or the Chair (e-mail: ajgatz@owu.edu). Ph.D. required. Send letter of application, current curriculum vitae, statement of teaching and research interests, all undergraduate and graduate transcripts, three letters of recommendation, and up to five reprints to: **Dr. A. John Gatz, Department of Zoology, Ohio Wesleyan University, Delaware, OH 43015**. The Search Committee will begin its deliberations February 22, 2002.

Ohio Wesleyan University is an Equal Opportunity Affirmative Action Employer and actively seeks applications from women and minorities.

MYRIAD GENETICS, INC.

Myriad Genetics Inc. is a biopharmaceutical company focused on the development of therapeutic and diagnostic products using genomic and proteomic technologies. Myriad has established programs in high-throughput sequencing, protein interactions mapping, cell biology (validation), and pharmaceuticals' development. Myriad currently has career opportunities in the following positions:

- Protein Biochemistry / Research Scientist
- Mammalian Cell Biologist / Project Manager
- Mammalian Cell Biologist / Research Associate
- Protein Expression / Group Leader
- Pharmacologist / Group Leader
- Medicinal Chemist / Ph.D.
- Synthetic Chemist
- Senior Purification Chemist / MS/Ph.D.
- Analytical Chemist

See our web site for details: www.myriad.com

In addition to competitive salaries and opportunities for professional advancement, full-time employees enjoy paid personal leave time, 12 paid holidays, Medical/Dental/Life and Accident Insurance, stock options, 401(k) plan, short/long-term disability insurance and more!

Myriad Genetics is situated in the foothills above Salt Lake City, Utah, where you'll enjoy breathtaking views at work and an incredible lifestyle away from the office. Salt Lake City is home to a wide variety of cultural activities and is the site of the 2002 Winter Olympics. This scenic, mountain venue also features an endless array of summer and winter outdoor activities.

Please send or fax a cover letter specifying the job title, a complete resume and the names of three professional references to:

Myriad Genetics, Inc. Attn:
Human Resources
320 Wakara Way, Salt Lake City,
UT 84108
FAX: 801-584-3741
Email: humanres@myriad.com
No phone calls please



Postdoctoral Position

The Biology and Biotechnology Research Program of Lawrence Livermore National Laboratory has a position available to study the phenomenon of quorum sensing in members of the *Yersinia* group. The goal of the project is to generate experimental data to be applied to the development of a mathematical (computational) model of quorum sensing and the virulence process in general. Work will focus on the study of mutants, expression arrays and the general characterization of the molecular components involved in this process and their role in virulence.

The successful candidate will have a strong background in bacterial physiology/genetics with some experience in quorum sensing research highly desirable. A recent Ph.D in microbiology, molecular biology or related discipline plus 2 years of relevant research experience is required. US citizenship and the ability to obtain a Department of Energy clearance is also required.

LLNL offers a challenging environment and competitive salary/benefits package. To be considered, reference source# AJSC212BS, and e-mail resume and cover letter to: bbrpbiosc@llnl.gov. We are proud to be an equal opportunity employer with a commitment to workforce diversity.



Think BIG

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U.S. Pharmacopeia
The Standard of Quality™

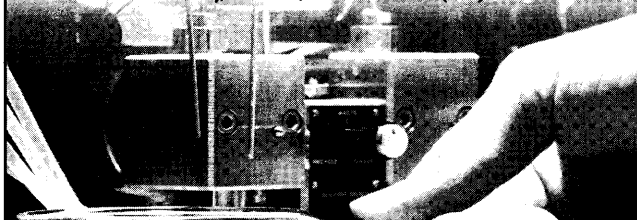
The U.S. Pharmacopeia (USP) is the independent, not-for-profit organization that establishes state-of-the-art standards to ensure the quality of medicines and other health care technologies.

TECHNICAL ADVISOR FOR DRUG QUALITY CONTROL

The Technical Advisor for Drug QC will be responsible for assisting the global assistance initiatives group by providing technical leadership to improve drug QA systems based on client demands including: conducting baseline assessments of drug quality in specific countries/regions; developing testing methods and necessary standards for targeted drugs; training local staff in testing methods; establishing surveillance systems and rapid alert mechanisms; and assessing cGMP standards. May manage one of more central or field-based technical projects, training and/or operations research activities. Will assist in developing new products and contacts with organizations related to improving drug quality, serve as USP's liaison with USAID and the WHO on drug quality issues, and represent USP at international meetings related to quality.

Requirements: MS or PhD in Chemistry, Microbiology, or related science and demonstrated international experience in developing countries (particularly South East Asia and Africa). Supervisory experience, knowledge of analytical methods, cGMPs and GLPs, and FDA and/or pharmaceutical industry experience. Must be a strong communicator and creative problem solver. Foreign language skills (French and Russian) and the ability to travel internationally required.

USP offers an excellent compensation and benefits package. Please submit your resume with salary requirements to: **U.S. Pharmacopeia, Attn: HR Department, 12601 Twinbrook Parkway, Rockville, MD 20852. Fax: (301) 816-8332.**



Visit our web site at www.usp.org

EOE

POSITIONS OPEN

ASSISTANT PROFESSORS Department of Biochemistry and Molecular Biology

The Department of Biochemistry and Molecular Biology ([website: http://www.msstate.edu/dept/Biochemistry/](http://www.msstate.edu/dept/Biochemistry/)) at Mississippi State University invites applications for two tenure-track teaching and research positions at the **ASSISTANT PROFESSOR** rank to be filled by July 1, 2002. Mississippi State University is a land grant institution located adjacent to Starkville, Mississippi, and has an enrollment of about 13,500 undergraduate and 2,500 graduate students. The Department is funded jointly by the College of Agriculture and Life Sciences and the Mississippi Agricultural and Forestry Experiment Station. Start-up funds will be available for initial support; however, the successful applicant will be expected to generate external funding. The Scientists will be expected to participate in our undergraduate and graduate teaching programs and establish an active research program. We will consider individuals in all areas of biochemistry and molecular biology who can play a role in a newly established Life Sciences and Biotechnology Institute ([website: http://www.mafes.msstate.edu/biotech/](http://www.mafes.msstate.edu/biotech/)). Requirements include a Ph.D. in biochemistry or molecular biology with postdoctoral experience. Applicants must have demonstrated involvement in quality research as evidenced by publications in peer-reviewed journals. Send curriculum vitae, summary of research interests, and names of three references to: **Dr. John Boyle, Department of Biochemistry and Molecular Biology, Box 9650, Mississippi State, MS 39762**. Applications accepted through April 1, 2002, or until position is filled. *MSU is an Affirmative Action/Equal Opportunity Employer.*

MARINE AND FRESHWATER GENOMICS

FACULTY POSITION in genomics with broad interest in aquatic organisms. Candidates with backgrounds in all areas of genomics including functional genomics, toxicogenomics, and bioinformatics will be considered. The successful candidate will contribute to a graduate academic program in the Division of Marine Biology and Fisheries (MBF) as well as participate in interdisciplinary research programs in MBF and in the universitywide University of Miami National Institute of Environmental Health Sciences (NIEHS)-sponsored Marine and Freshwater Biomedical Sciences Center. A joint or secondary appointment in an appropriate department of the school of medicine is possible. A history of or potential for funding by NIEHS, other NIH institutes, and/or EPA is one important criterion for selection. Rank and salary are open.

Applicants should send curriculum vitae; statement of research and teaching interests; up to five selected reprints; and arrange for at least three letters of reference to: **Patrick J. Walsh, Marine Genomics Search Chair, MBF, University of Miami, Rosenstiel School of Marine and Atmospheric Science, 4600 Rickenbacker Causeway, Miami, FL 33149** by February 28, 2002.

An Equal Opportunity/Affirmative Action Employer.

DEPARTMENT OF MEDICINE University of California San Francisco

The Department of Medicine at the University of California San Francisco is recruiting for Physician-Scientists engaged in molecular medicine research. Candidates must have demonstrated potential to lead a first-rate, independent research program and be ABIM-certified. Appointment will be made at the **ASSISTANT/ASSOCIATE/PROFESSOR** level in the In-Residence series depending upon qualifications.

Send curriculum vitae to: **Harold Chapman, M.D., Chair, Search Committee, UCSF Department of Medicine, Box 0130, San Francisco, CA 94143-0130**. *UCSF is an Affirmative Action/Equal Opportunity Employer. The University undertakes Affirmative Action to assure Equal Employment Opportunity for underutilized minorities and women, for persons with disabilities, and for Vietnam-era veterans and special disabled veterans.*

POSITIONS OPEN

JILA, a premier academic research institute administered jointly by NIST and the University of Colorado, has several **PERMANENT FACULTY OPENINGS** for highly motivated and creative individuals who are expected to develop world-class research programs in multidisciplinary quantum science and/or precision measurement. The positions require the establishment of an active research group of graduate, undergraduate, and postdoctoral students; acquiring sources of outside funding; and participating in departmental teaching responsibilities. Candidates with a strong precision measurement/quantum/laser background and interest in rapidly emerging fields such as nanostructural technologies, biophysics, quantum information, and quantum optics are particularly encouraged to apply. The salary range is \$50,000 to \$80,000 depending on experience and qualifications. Interested persons should send curriculum vitae and a detailed research proposal (two to three pages) as well as arrange for three letters of recommendation to be sent to: **Search Committee, JILA, 440 UCB, University of Colorado, Boulder, CO 80309-0440**. For further information, contact us at **e-mail: jilasearch@jila.colorado.edu**.

Applications will be reviewed as they are received. The deadline has been extended to February 28, 2002, for receipt of complete applications with three letters of recommendation.

The University of Colorado at Boulder is committed to diversity and Equality in Education and Employment. U.S. citizenship preferred.

ASSISTANT/ASSOCIATE PROFESSOR Evolution and Functional Genomics

The School of Biological Sciences of the University of Missouri—Kansas City invites applications for a tenure-track Assistant or Associate Professor with a research interest in evolution with an emphasis in functional genomics. The successful applicant will be expected to develop an outstanding, extramurally funded research program; advise Ph.D. candidates; and participate in the School's graduate and undergraduate teaching programs. Excellent core research facilities offer capabilities for high-throughput sequencing, microarray, and proteomics analyses. Salary, laboratory facilities, and start-up funds are highly competitive. Review of applications will begin March 15, 2002, and continue until the position is filled. Applicants should forward complete curriculum vitae and research prospectus and arrange to have three letters of reference sent to:

**Evolution and Functional Genomics
Search Committee
Dean's Office
School of Biological Sciences
University of Missouri—Kansas City
5007 Rockhill Road
Kansas City, MO 64110**

The University of Missouri—Kansas City is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE

A Research Associate position at the Guthrie Research Institute is available immediately to participate in an NIH-funded project to identify transcription factors that regulate expression of myeloid-specific leukocyte integrin genes and assess their role in myeloid cell differentiation (*Mol. Cell. Biol.* 16:2940–2950, 1996; *J. Biol. Chem.* 272:24038–2405, 1997; *J. Biol. Chem.* 275:8959–8969, 2000). The Institute is located in a rural community within 45 minutes of the Finger Lakes region of New York and offers a competitive salary and benefits. Additional information regarding this project is available at **website: <http://www.guthrie.org/research/scientists/noti.asp>**. Candidates with a Ph.D. and experience in molecular and cell biology and/or transgenic mice technology should send their curriculum vitae and the names and addresses of three references to: **Dr. John D. Noti, Laboratory of Molecular Biology, Guthrie Research Institute, Sayre, PA 18840-1692**. **E-mail: jnoti@inet.guthrie.org**.

POSITIONS OPEN

TWO FACULTY POSITIONS COMPUTATIONAL BIOLOGY Rochester Institute of Technology

The RIT Department of Biological Sciences has developed B.S. and Sloan Foundation-funded M.S. programs in bioinformatics with the involvement of an interdepartmental faculty. We anticipate two tenure-track faculty positions at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level to begin on September 1, 2002. A Ph.D., postdoctoral experience, and a commitment to teaching excellence are required. Successful candidates will be required to supervise undergraduate and graduate research projects and to attract extramural funding to support a research program.

Candidates with demonstrated research and/or teaching experience in one or more of the following or related disciplines are encouraged to apply: bioinformatics, computational methods, functional or comparative genomics, gene expression analysis, proteomics, molecular and cell biology, and/or human physiology/physiomics.

We are a growing department with 400 undergraduates enrolled in biology and biotechnology programs with an option in bioinformatics. Further information about the programs is available at **websites: <http://www.biology.rit.edu> and <http://www.bioinformatics.rit.edu>**. Closing date for applications is March 31, 2002. Submit statements of academic and research interests, teaching philosophy, curriculum vitae, and arrange to have three letters of reference sent to: **Chair, Search Committee, Department of Biological Sciences, Rochester Institute of Technology, 85 Lomb Memorial Drive, Rochester, NY 14623-5603**.

RIT is an Equal Opportunity/Affirmative Action Employer and especially encourages applications from persons able to contribute in a meaningful way to the Institute's commitment to diversity and pluralism.

TENURE-TRACK FACULTY POSITIONS DEPARTMENT OF PHARMACOLOGY AND TOXICOLOGY University of Alabama at Birmingham Schools of Medicine and Dentistry

Applications are invited to fill two tenure-track faculty appointments in the Department of Pharmacology and Toxicology at the rank of **ASSISTANT** or **ASSOCIATE PROFESSOR**. The major responsibility of successful candidates will be original research supported by extramural sources. We seek individuals with a Ph.D. or equivalent graduate degrees who will develop an outstanding research program; mentor graduate students; and teach in the medical, dental, and interdisciplinary graduate programs. Candidates with expertise in cellular and molecular pharmacology or toxicology, drug metabolism, proteomics, pharmacokinetics/toxicogenomics, or signal transduction in apoptosis and cancer are particularly encouraged to apply. The positions include an attractive start-up package, competitive salary and benefits, and are supported by excellent core facilities. Send application letter, curriculum vitae, future research plans, and names and contact information for three references to: **Dr. Robert Diasio, Chairman, Department of Pharmacology and Toxicology, Volker Hall, 1670 University Boulevard, University of Alabama at Birmingham Schools of Medicine and Dentistry, Birmingham, AL 35294**. **E-mail: robert.diasio@ccc.uab.edu**. *The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer.*

ENVIRONMENTAL RESEARCH ASSISTANT to perform laboratory work, participate in field operations, analyze samples, and prepare standard solutions and samples. Visual MODFLOW, Microsoft Office, and HPLC operating software (HP ChemStation) utilized. B. S. in civil, chemical, mechanical, or environmental engineering plus six months of full-time work experience in job duties to be performed required. *Must have legal authority to work in the United States*. Submit résumé to: **Marshall S. Brackin, General Manager, Surbec-Art Environmental LLC, 3200 Marshall Avenue, Suite 200, Norman, OK 73072**.

The Face of Pfizer



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At Pfizer, we build our success on the innovation, skills and entrepreneurial spirit of each of our employees. As an integral member of our team, you'll find myriad opportunities to assert your scientific independence as you generate results that will advance our ultimate goal of creating life-enhancing therapies. You'll also benefit from a wealth of resources, the support of an exceptional team, and the chance to work on some of the most exciting science in the industry. Count the ways you can impact lives as you bring your ideas to life at Pfizer.

BIOCHEMISTS

PhD Senior Scientists/Research Scientists

We currently have opportunities at several levels for Lead Biochemists to contribute to multidisciplinary project teams aimed at the discovery of novel drugs using combinatorial chemistry and structure-based drug design. The successful PhD candidate must have 2+ years of postdoctoral experience and in-depth knowledge of enzyme kinetics, enzyme assay development and enzyme inhibitor characterization; protein purification; and biophysical techniques (**Req. #01-0501-5V135CL**). We are also seeking Associate Scientists with a BS/MS in Biochemistry, Chemistry or a closely related discipline, 2+ years of industrial experience, advanced computer skills and research experience with enzyme kinetics and protein characterization (**Req. #01-0566-5V135SM**).

These positions are located in La Jolla, California.

Pfizer offers an exceptional work environment complete with competitive salaries, excellent benefits and training opportunities designed to develop your professional talents. We encourage all applicants to apply by emailing your resume, indicating the appropriate Req. # in the subject field, to SCI@pfizerresumes.com. If necessary, you may also mail your resume, indicating Req. #, to Pfizer Resume Processing Center, 630 Boston Road M-104, Billerica, MA 01821, Attn: Softshoe Resumes. EOE

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Gen-Probe, THE leader in nucleic acid diagnostics, has been pioneering the development and advancement of DNA probe testing and has received over 40 FDA clearances for DNA probe tests and have patented three cutting-edge technologies.

Manager Oligonucleotide/Process Development

This San Diego based position requires a Ph.D./MS in Chemistry or Molecular Biology and 6+ years industrial experience or BS/MS and at least 8+ years industrial experience in biotechnology. Significant experience in automated oligonucleotide synthesis, chemical labeling of oligonucleotides as well as analytical and preparative chromatography of nucleic acids is essential. At least 4 years in a GMP-regulated environment with 2+ years in supervision of technical professionals is required. Good knowledge of statistics, experimental design and data analysis is also required. Excellent communication skills are essential.

This position is responsible for overseeing the development, scaleup, validation and transfer to manufacturing of oligonucleotide syntheses/purification and probe labeling/purification processes. Also responsible for troubleshooting and resolution of technical issues relating to oligos or probes which develop in Production or Quality Control. Will supervise scientific and technical employees. Other duties include: qualifying raw materials and vendor changes, review of document change requests and pursuing process improvements and cost reductions. Will report periodically to management on status.

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GEN-PROBE



PROFESSIONAL ASSOCIATE IN RESEARCH

Applicants are sought for an immediate opening as a Professional Associate in Research (PAR) in the Medical Genetics Research Laboratories at the Mayo Clinic, Rochester. Applicants must have a Ph.D. in biochemistry with at least 10 years post-doctoral experience in the study of flavoenzymes and proteins at the biochemical and molecular level, and qualify for an academic appointment as an assistant professor in the Mayo Medical School. The candidate must bring a unique skill, technique or knowledge to the sponsoring program as documented by professional accomplishments and publication record and will have made a career decision to pursue regular employment at Mayo under the sponsorship of an established research staff program. The successful applicant will play a key and permanent supporting role within the research program of the laboratory principal investigator, functioning independently in a research role, and give direction to research fellows, residents, graduate students, and technicians. He/she will work cooperatively with other staff at all levels within and outside the institution, and will significantly contribute to grant writing, serving as co-principal investigator on extramural grant applications submitted by the principal investigator. The PAR is expected to serve as the principal investigator's internal and external representative and resource contact person for the research program and will represent the principal investigator at national meetings. The applicant should be expert in protein purification, spectrophotometric analysis of flavoenzymes, molecular biology techniques, enzymology, and computer aided molecular modeling of protein structure. He/she will significantly participate in personnel and resource management on behalf of the principal investigator, and will independently manage assigned projects and the projects of other laboratory personnel. The PAR will provide input for the direction and design of the projects of others in the lab, and will have direct teaching activities within the investigator's program.

Salary will be determined by the successful candidate's experience. There is an attractive benefit package. Mayo Clinic Rochester is a not-for-profit organization. Mayo integrates research with clinical practice and education in a multi-campus environment.

Applications, including curriculum vitae and bibliography, summary of past accomplishments, and the names of three references, should be sent to:

Dr. Jerry Vockley, M.D., Ph.D.,
Professor and Chair, Department of Medical Genetics
Mayo Clinic Rochester
200 First Street SW, Rochester, MN 55905

Mayo Foundation is an affirmative action and equal opportunity employer and educator.

POSITIONS OPEN

HUMAN BIOLOGIST

A tenure-track position is available at the **ASSISTANT or ASSOCIATE PROFESSOR** level for a Human Biologist. A Ph.D. is required and an active research program involving B.S. and M.S. students is expected. Teaching responsibilities will include a two-semester course in human anatomy and physiology; a course in pathophysiology, pharmacology, or histology; and possibly another course in the candidate's area of interest. We are particularly interested in applicants with expertise in biomechanics, mammalian physiology, pharmacology, toxicology, or pathology.

The Department of Biology ([website: http://www.uca.edu/divisions/academic/biology/](http://www.uca.edu/divisions/academic/biology/)) contains 23 regular faculty who serve about 450 majors and 20 graduate students. About 1,300 students per year take our biology for general education course, and we offer several service courses for health science students. Multiple computer stations are employed in introductory biology courses, cell biology, experimental neurobiology and other physiology courses, and most rooms have optical fiber access to mainframe, library, and Internet. Conway is a prosperous city of 45,000 that hosts two other colleges and is an easy drive from both Little Rock and pristine wild areas such as the Buffalo National River and Ozark Mountains.

To apply, submit curriculum vitae, statements of teaching philosophy and research plans, and the names of three references to: **Dr. Paul Hamilton, Department of Biology, University of Central Arkansas, Conway, AR 72035**. Application review will begin March 12, 2002. *An Equal Opportunity/Affirmative Action Employer.*

MOLECULAR BIOLOGIST/ GENETIC ENGINEER

International Bioimmune Systems, Inc. is seeking a Molecular Biologist/Genetic Engineer with proven expertise in recombinant protein expression in mammalian cells. Candidates must have hands-on experience with genetic engineering of expression vectors and a successful record of gene expression, ideally in CHO cells. Additional qualifications include experience with cDNA cloning, library screening, mammalian cell culture, RT-PCR, and protein engineering. Experience with mAbs is highly desirable. Minimum qualifications are a Ph.D. degree plus two years of relevant experience and a good publication record.

International Bioimmune Systems, Inc. is a young biotechnology company located in Great Neck, New York, just outside the New York City Metropolitan area. Its research focuses on the development of monoclonal antibodies as cancer therapeutic and diagnostic agents.

Please send a cover letter with your résumé to:

Andrew Lin
International Bioimmune Systems, Inc.
225 West Community Drive, Suite 140
Great Neck, NY 11021
FAX: 516-773-8258

BIOINFORMATICS SPECIALIST University of California, San Diego

In coordination with the UCSD Libraries, our new graduate program in bioinformatics has an exciting opportunity for an **ACADEMIC COORDINATOR** with a specialty in bioinformatics to develop and implement a training program for students, faculty, and Researchers across the UCSD campus in the use and development of bioinformatics resources and databases. Requires an M.A. or Ph.D. or equivalent experience in biology or chemistry or equivalent field or an M.L.S. and relevant subject strength and skill in the use and manipulation of bioinformatics software and databases. See [website: http://scilib.ucsd.edu/bioinformatics.spec.html](http://scilib.ucsd.edu/bioinformatics.spec.html) for details. Salary commensurate with experience and qualifications. Consideration of applicants begins March 15, 2002. Send cover letter addressing qualifications posted on website, curriculum vitae, and names of three references to **e-mail: libraryjobs@ucsd.edu**. *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

ASSOCIATE CHIEF OF STAFF FOR RESEARCH

VA Palo Alto Health Care System (VAPAHCS), Palo Alto, California, an affiliate of Stanford University School of Medicine, is accepting applications for the position of full-time Associate Chief of Staff for Research. *Applicants must be U.S. citizens and have an M.D., Ph.D., or equivalent degree.* Those with an M.D. or equivalent must hold a degree from an approved school, must hold a current and unrestricted license to practice medicine or surgery, and must be Board certified by an American Specialty Board. Applicants should have demonstrated significant and distinguished accomplishments in both research and administration. Familiarity with compliance issues (given their increasing importance to the research program) and experience in the VA system are both highly desirable. The successful candidate will have to meet VA requirements for appointment as Associate Chief of Staff for Research and Stanford University School of Medicine requirements for faculty appointment at the **ASSOCIATE PROFESSOR or PROFESSOR** level. In addition to overseeing the operation of the research program and directing the Research Administration office, the appointee will be expected to maintain an outstanding research program of his or her own; to foster the growth of existing research programs; to facilitate the initiation of new programs; and to foster the careers of new Investigators. VAPAHCS, one of the largest and most complex VA facilities in the nation, has an extensive research program in the areas of medical research, rehabilitation, research and development, health services research and development, and the VA Cooperative research, with an annual research budget of \$37 million. Please send cover letter and curriculum vitae to: **Jackie Bevins (05C), Human Resources Management Service, VA Palo Alto Health Care System, 3801 Miranda Avenue, Palo Alto, CA 94304**. Complete application packages must be received not later than March 25, 2002. For additional information, please call **Ms. Bevins; Telephone: 650-493-5000, Extension 64351**. *VAPAHCS is an Equal Opportunity Employment Employer. Stanford University is committed to increasing representation of women and members of minority groups on its faculty and particularly encourages applications from such candidates.*

USDA-ARS, Appalachian Farming Systems Research Center, Beaver, West Virginia. Permanent full-time **ANIMAL SCIENTIST**. Incumbent is a team member developing pasture-based finishing systems for beef production; will place emphasis on grazing behavior under different grazing systems as related to animal performance. Specific objectives are to identify relationships among forage species, grazing behavior, meat quality, and age at slaughter; develop and apply models to help identify and quantify best livestock management practices for existing and emerging production systems; and assist producers and farm consultants with the transfer and adoption of grazing systems technology. Knowledge of animal management and physiological mechanisms governing animal behavior and skills in grazing animal behavior research techniques required. Ph.D. is desirable. *U.S. citizenship is required.* Salary range \$45,285 to \$73,146 per annum plus benefits. For more information, contact: **Dr. Bill Clapham, RL; Telephone: 304-256-2857**. For copy of vacancy announcement, contact: **Janie Carr; Telephone: 301-504-1414; website: http://www.ars.usda.gov/afm/hrd/resjobs**. *USDA-ARS is an Equal Opportunity Employer.*

SENIOR SCIENTIST sought by Boston-based leader in bioseparations. Excellent salary and benefits. Ideal candidate: Ph.D. in chemistry, biology, or related; minimum five to seven years of experience in industry research and development including product launches and wet chemistry diagnostics; good people and project management skills; experience in small company; experience with immunochemistry. Résumés to: **Haddad Associates; Telephone: 727-939-8078; FAX: 727-934-4322; e-mail: rjhaddad@gte.net.**

POSITIONS OPEN

DIRECTOR OF RESEARCH

Applications are invited for the position of Director of Research in a private research center. The Director will maintain and participate in the research projects and will supervise all employees and provide leadership for a small but dedicated and highly qualified multidisciplinary research and development team in a superbly equipped laboratory. The focus is on chronic, complete spinal cord injury. The successful candidate must have a Ph.D. or M.D. with a strong background in molecular and cell biology and record of solid publications. Experience with stem cells, gene expression systems, and animal experiments is required. A clinical interest in practical cures and administrative experience are a must.

Responsibilities will include the coordination and planning of the research and development program in all areas as well as contribution in the Director's own field. Continuous contact with and reports both written and oral directly to the President and governing board of the organization will be required. Salary and benefits commensurate with qualifications and experience.

Location in a pleasant campus setting. Send complete curriculum vitae with three letters of reference to: **P.O. Box 107, Science, 1200 New York Avenue, N.W., Washington, DC 20005 by April 26, 2002**. Applicants should also send a short account of their vision focusing on the direction of research for spinal cord repair.

BASIC SCIENTIST (PSYCHIATRIST) University of California, San Francisco

The Department of Psychiatry and the Program in Biological Sciences at the University of California, San Francisco, invites applications for a faculty position that is funded by the State of California. We prefer to fill this position at the **ASSISTANT PROFESSOR** level but outstanding applications from those at the **ASSOCIATE to FULL PROFESSOR** level will be considered. Applicants should be trained in psychiatry, should have intensive research training such as a Ph.D., and should also have postdoctoral training in laboratory science generally related to mental illness. The main responsibility of this position is to conduct independent research. The appointment will begin on or after October 1, 2002. Applications should include curriculum vitae, research plan, three letters of reference, and three journal articles and should be sent to: **John Rubenstein, M.D., Ph.D., Search Committee Chair, c/o Catherine Yungler, UCSF Department of Psychiatry, Administration Department, San Francisco, CA 94143-0984**. Applications will be reviewed beginning April 1, 2002. The position is open until filled. *UCSF is an Affirmative Action/Equal Opportunity Employer. The University undertakes Affirmative Action to assure Equal Employment Opportunity for underrepresented minorities and women, for persons with disabilities, and for Vietnam-era veterans and special disabled veterans.*

SENIOR CLINICAL RESEARCH SCIENTIST (Berwyn, Pennsylvania): Responsible for developing scientific protocols (Phases I through IV) for development of identified clinical programs. Liaison with Scientists in discovery, drug safety, and product development to assure appropriate study designs. Write protocols, medical summaries, and NDA sections. Analyze scientific study results. Coordinate planning, initiating, and finalizing of clinical investigations. Monitor assigned clinical studies and ensure accuracy of study conduct and data. Evaluate and interpret data. Actively identify and recruit qualified Investigators and function as liaison between them. Required: B.S., M.D., or advanced degree/life science or medical and two years of experience in job offered or related occupation such as Research Fellow/Manager. Must include experience with design and research for clinical trials in pharmaceutical industry. Salary commensurate with experience; résumé to: **Box Number 106, Science, 1200 New York Avenue, N.W., Room 914, Washington, DC 20005**.

Staff Clinician

The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), National Institutes of Health (NIH) is seeking a Physician Investigator to develop a vigorous clinical research program in Systemic Lupus Erythematosus (SLE), and other autoimmune diseases at the Clinical Center in Bethesda. The individual would collaborate closely with intramural laboratory programs to study the etiology, pathophysiology and natural history of patients with these diseases. The successful candidate will be expected to develop new Phase I/II therapeutic trials and lead the ongoing long-term outcome studies in SLE. Candidates must have an MD degree and Board Certification in Internal Medicine and Rheumatology. Formal training in clinical research and experience designing and conducting early phase clinical trials with biologic therapeutics is required. Evidence of scholarly achievements in these areas is required. Previous experience in evaluation of the immunologic and biologic impact of therapeutic interventions is highly desirable. A valid U.S. license is required. Starting salary is commensurate with experience and will be in the range of \$57,345 - \$103,623. Interested candidates should respond within 30 days of this advertisement by submitting a curriculum vitae and bibliography, at least three relevant reprints, summary of research interests, and the names of three references to:

Ms. Jody Cullen, NIAMS/IRP
Building 10, Room 9S205
10 Center Drive MSC 1828
Bethesda, MD 20892-1828

NIH is an Equal Opportunity Employer.

Postdoctoral/Scientist Positions in Theoretical Molecular Biophysics

Several positions are available immediately in the new Laboratory of Biological Modeling at the National Institute of Diabetes and Digestive and Kidney Diseases to study 1. Structure and dynamics of protein-DNA interactions or 2. structure-function relationships of transmembrane proteins involved in signaling. The research combines theory at various levels, including Monte Carlo and molecular dynamics simulations, molecular modeling and quantum chemical calculations. Applicants should have a strong background in theoretical biophysics and/or biophysical chemistry. The position offers excellent opportunities to study the molecular mechanisms for specific recognition and biological function in collaboration with experimentalists. Salary is commensurate with experience. Send CV and names of three references to:

Ms. Kay Place
c/o Laboratory of Biological Modeling
NIH/NIDDK
Bldg. 10, Rm. 9N-222
10 Center Drive
Bethesda, MD 20892-1818
or e-mail to:
biomod@intra.niddk.nih.gov.

NIH is an Equal Opportunity Employer

BIOMÉRIEUX PIERRE FABRE

The Institut de Recherche Pierre Fabre is part of the BioMérieux-Pierre Fabre Group with dedicated R&D programmes in CNS disorders, cardiovascular diseases and cancer. BioMérieux-Pierre Fabre is committed to ethical

pharmaceuticals and diagnostics, employs over 13 300 collaborators worldwide and has an annual turnover of 2 billion Euros.

DIRECTOR NEUROBIOLOGY DIVISION

A position is available for a Director of a Neurobiology Division at the Centre de Recherche Pierre Fabre (C.R.P.F.) in Castres (south of France, near Toulouse).

The Division conducts research related to neuro-psychiatric disorders. The major mission is to manage innovative research activities with the responsibility to propose drug-candidate molecules based on a solid pharmacological file. The candidate will coach an international team of scientists with different expertises (i.e., molecular pharmacology, in-vivo biochemistry, behavioral pharmacology). Experience in drug discovery in an industrial environment will be an advantage.

Applicants are invited to send their CV, a motivation letter (réf. WK/02MM/SC) with a list of publications and the names and addresses of three references to PIERRE FABRE MEDICAMENT - DRH - Parc Industriel de la Chartreuse - 81106 CASTRES CEDEX. E-mail : recrutement.cadres.pfm@pierre-fabre.com

TEWA/CORPORATE

CARNEGIE MUSEUM OF NATURAL HISTORY

Carnegie Museum of Natural History (CMNH), one of the top natural history museums in the country, with 17 distinguished curators, holdings of more than 20 million specimens, 2,200-acre Powdermill Nature Reserve (PNR), and productive collaborative relationships with nearby University of Pittsburgh and Carnegie Mellon University, invites applications for the following three positions.

Associate Director for Science and Curator

We seek a senior scholar demonstrating administrative experience and research, who will oversee the activities of the curatorial staff and the management of CMNH's world-class collections. Desirable qualifications include entrepreneurial skills, success in securing external funding, and advocacy and leadership skills for science programs. The successful candidate will also be appointed a curator in the most appropriate museum section.

Curator of Vertebrate Paleontology

This position (rank open) is for a scientist with primary expertise in collection-based research on dinosaurs and interests that may include phylogenetics, paleoecology, biogeography, or functional morphology. Desirable qualifications also include success in securing external funding for research, curatorial experience, and the ability to communicate scientific discoveries to the public. An important opportunity for contributions to public programs will be afforded by a major ongoing exhibit initiative on the Mesozoic.

Director of Powdermill Nature Reserve

This position is for a chief administrator of CMNH's biological field station (PNR), located a one-hour drive east of Pittsburgh in western Pennsylvania's Laurel Highlands. The successful candidate will: (1) manage the natural resources, staff, and scientific and educational programs of the station; and (2) provide leadership for an increased focus at CMNH on ecology and conservation. Desirable qualifications include a strong, energetic leader with a proven track record in scientific and organizational growth, building research collaborations, success in securing external funding, and a minimum of five years of administration experience at field stations or similar organizations. A Ph.D. is preferred.

Applicants for all three positions should send curriculum vitae, no more than five reprints, a statement of professional goals, and names of three referees to: **Dr. John Wible, Dean of Science, Carnegie Museum of Natural History, 4400 Forbes Avenue, Pittsburgh, PA 15213.** Review of applications will begin on April 5 and continue until the positions are filled. For more information, see www.carnegiemuseums.org/cmnh/.

POSITIONS OPEN

TENURE-TRACK POSITIONS GENETIC MEDICINE

Cornell University
Weill Medical College

As part of a significant enhancement of its basic biomedical science research programs and laboratory facilities, Weill Medical College of Cornell University (formerly known as Cornell University Medical College) is undertaking a major program initiative in the area of genetic medicine and is seeking to recruit tenure-track faculty at all levels to its newly formed Institute of Genetic Medicine. We are especially interested in candidates with a focus on identification and characterization of genes controlling differentiation pathways critical to organogenesis, the control of organ architecture, and the initiation of biologic processes that lead to organ repair after injury. Candidates with an interest in using zebrafish as a model are of specific interest. Exceptional candidates in other related/appropriate fields will also be considered. Candidates for junior positions should demonstrate the potential of establishing a vigorous independent research program. Candidates for senior positions should have an outstanding publication record as well as substantial recent success in obtaining peer-reviewed grant support. Appointment of these independent, tenure-track faculty is anticipated in the Institute of Genetic Medicine directed by **Ronald G. Crystal, M.D.** Recruited faculty will receive generous start-up support; will occupy newly constructed laboratories; and will have access to the newly completed, 12,000-square-foot Arthur and Rochelle Belfer Gene Therapy Core Facility. Candidates may participate in the Graduate School of Medical Sciences program, which includes faculty from the Weill Medical College and the Sloan-Kettering Institute, and in the Tri-Institutional M.D.-Ph.D. program, which also includes faculty from The Rockefeller University. Applications should include curriculum vitae, statement of research interests, and three letters of recommendation. Applications should be sent to: **Jennifer J. Cameron, Genetic Medicine Recruitment Committee (RC), Box Number 27, Weill Medical College of Cornell University, 1300 York Avenue, New York, NY 10021.** *Equal Employment Opportunity/Affirmative Action/Minority/Female/Disabled/Veteran.*

STAFF SCIENTIST: Make contributions to the value of drug discovery programs through the preparation of novel compound on daily basis. Design and execute multistep synthesis to assigned target compounds. Some targets need to be prepared in absence of air and moisture. Previous publications preferred to demonstrate strong synthetic abilities. Requires good practice in purification; spectroscopic and analytical characterization of target compounds (such as 1-D and 2-D NMR, GC/LC, MS, IR, HPLC, etc.) and document results into research notebooks. Present results during monthly chemistry group meetings. Experience in using various online literature searching techniques (such as ISIS, SciFinder, Beilstein, etc.) and various computer skills (such as MS Office, ChemDraw) to aid research activities. Requires experience in synthetic organic chemistry and design and synthesis of biologically active molecules. Requires M.S. degree in organic chemistry. Forty hours per week; salary commensurate with experience. Submit résumé to: **Box Number 108, Science, 1200 New York Avenue, N.W., Room 911, Washington, DC 20005.**

GENETIC RESEARCH POSITION: The new Center for Human Genetics Studies at the Mid-Hudson Family Health Institute in New Paltz, New York, is recruiting for individual for NIH-funded projects on movement disorders and mental retardation. Experience in molecular biology and positional cloning required. Interested candidates forward curriculum vitae to attention of: **Human Resources, P.O. Box 479, New Paltz, NY 12561. FAX: 845-255-7340.**

POSITIONS OPEN



TECHNICAL SERVICE SPECIALIST

Calbiochem-Novabiochem Corporation, a worldwide supplier of fine chemicals to the life science research community, seeks a **TECHNICAL SERVICE SPECIALIST**. Excellent opportunity to apply your scientific expertise in a business environment. Requires M.S./Ph.D. in biochemistry, immunology, or related field and more than one year of laboratory experience or equivalent. Candidate will resolve biochemical and immunochemical applications inquiries by FAX, telephone, and e-mail. May also author and edit technical product literature. Ideal candidate must have strong understanding of customer needs, excellent communication skills, and should be able to work in a team environment. Résumé with salary requirements to: **Human Resources, Code: TS/SDUT, 10394 Pacific Center Court, San Diego, CA 92121. E-mail: jobs@cnbi.com** (Word documents only). *Affirmative Action/Equal Opportunity Employer.*

The University of Texas at Austin invites applications and nominations for **DIRECTOR** of the newly established Center for Computational Biology and Bioinformatics. In its less-than-one-year history, the Center has attracted more than 40 faculty participants representing 11 departments in three colleges. In addition, Center participants have thus far received \$4.3 million in grants for research projects relating to computational biology as well as a \$2.7 million Integrative Graduate Education and Research Traineeship (IGERT) grant for graduate training in computational and applied phylogenetics. For more information about the Center, go to website: http://www.biosci.utexas.edu/ib/comp_bio/index.htm. The successful candidate will play a pivotal role in furthering the Center's mission of promoting long-term interdisciplinary interactions between Computational and Biological Scientists and must have an earned Doctorate and a demonstrated record of accomplishment in research and management appropriate for appointment at the **FULL PROFESSOR** level in one of the Center's participating departments. The position is available 1 September 2002 or as negotiated. Review of applications will begin 1 February 2002 and will continue until the position is filled. Please submit a letter of interest; statement of experience; curriculum vitae; and names of three references (including addresses, telephone numbers, and e-mail addresses) to:

Professor David M. Hillis
Chairman, Director Search Committee
Center for Computational Biology
and Bioinformatics
Mail Code C4500
The University of Texas
Austin, TX 78712

USDA-ARS, Appalachian Farming Systems Research Center, Beaver, West Virginia. Permanent full-time **SOIL CHEMIST**. Team member responsible for development of knowledge of soil chemical properties relevant to pasture productivity and animal performance. Incumbent will investigate plant roots, soil, and water as they influence organic and inorganic ion sorption/desorption and movement in the root and vadose zone; effects of plant residues, sequences, and community dynamics; tillage practices and livestock grazing; and develop innovative strategies and technology to overcome soil limitations on forage species distribution, productivity, and animal performance in the Appalachian region. A Ph.D. is desirable. *U.S. citizenship is required.* Salary range: \$43,326 to \$69,984 per annum plus benefits. For more information, contact: **Dr. Bill Clapham, RL; Telephone: 304-246-2857.** For copy of vacancy announcement, contact: **Janie Carr; Telephone: 301-504-1414; website: <http://www.ars.usda.gov/afm/hrd/resjobs>.** *USDA-ARS is an Equal Opportunity Employer.*

POSITIONS OPEN

ASSISTANT SCIENTIST POSITION Department of Biochemistry and Genetics The Connecticut Agricultural Experiment Station New Haven, Connecticut

The Department of Biochemistry and Genetics invites applications for a 100% research position at the Assistant Scientist level available immediately. The appointee is expected to develop an independent program of externally funded research that complements ongoing plant molecular biology research in the Department. New laboratories and office space for the Department are scheduled for completion in June 2002. Proximity to Yale University offers excellent opportunities for collaboration with a broad range of Plant Molecular Biologists. Qualified candidates must possess a Ph.D. and relevant postdoctoral experience. Please submit curriculum vitae; a statement of professional goals and research interests; names of five references; their addresses, e-mail addresses, telephone and FAX numbers to: **Dr. Neil McHale, Department of Biochemistry and Genetics, P.O. Box 1106, The Connecticut Agricultural Experiment Station, New Haven, CT 06504. E-mail: neil.mchale@po.state.ct.us.** *CAES is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to the achievement of diversity among its faculty and staff.*

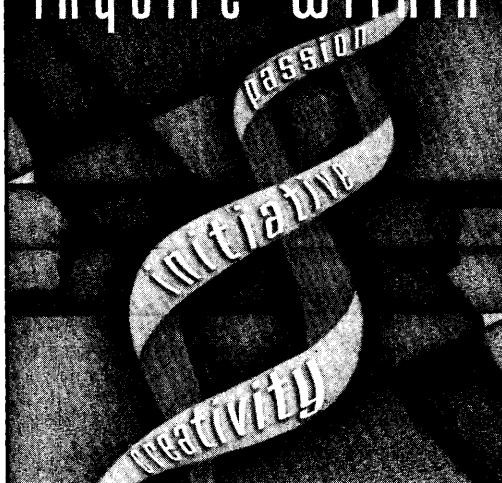
SCIENTIST

Exelixis Plant Sciences, an agricultural functional genomics and biotechnology company that develops improved plant products and provides technology to the agricultural industry, is seeking a highly motivated, creative **MOLECULAR GENETICIST** to lead programs investigating agronomically important traits in plants. Position requires Ph.D. in plant physiology, plant genetics, or a related field. One or more years of relevant postdoctoral or industrial experience and previous experience leading a research team are preferred. Applicants should have a broad training in plant physiology, genetics, and molecular biology; a track record of productivity; excellent oral and written communication skills; a willingness to work in a collaborative environment; and be receptive to change. To apply, please send a cover letter with curriculum vitae, a selection of publications, and the names and contact information for three references to: **Human Resources, Attention: Job Number 02-351, Exelixis Plant Sciences, Inc. 16160 S.W. Upper Boones Ferry Road, Portland, OR 97224. FAX: 503-213-2063; e-mail: pkhan@exelixis.com.** Review of applications will begin February 28, 2002. *Exelixis Plant Sciences is a wholly owned subsidiary of Exelixis, Inc., an Equal Opportunity Employer.*

ASSISTANT/ASSOCIATE PROFESSOR Oregon State University

The Department of Biochemistry and Biophysics seeks a Molecular/Cellular Biochemist to fill a tenure-track position by September 2002. More information can be found at our website: <http://www.orst.edu/dept/biochem/>. Appointees are expected to establish and maintain an extramurally funded research program and contribute to graduate and undergraduate teaching. The Department has close ties with the NIEHS-funded Environmental Health Sciences and Marine/Freshwater Biomedical Sciences Centers, Linus Pauling Institute, and Center for Gene Research and Biotechnology, which sponsor and foster new research initiatives and maintain core facilities for genomics, imaging, flow cytometry, mass spectroscopy, NMR, and X-ray diffraction. For full consideration, apply by February 29, 2002. Submit curriculum vitae, publications list, research plan, and names of three references to: **Dr. Gary Merrill, Search Committee Chair, Department of Biochemistry and Biophysics, ALS 2011, Oregon State University, Corvallis, OR 97331.** Applications may be sent as attachments to e-mail: hansonb@ucs.orst.edu. *OSU is an Affirmative Action/Equal Opportunity Employer.*

Inquire Within



Genentech's people share some pretty uncommon traits. Initiative, creativity, risk-taking – the stuff from which breakthrough medicines are created. Expect the extraordinary. Share your traits with us.

Bioinformatics Scientist/ Associate Bioinformatics Scientist

The Bioinformatics Department seeks an exceptionally talented and motivated individual to predict and assemble gene sequences from genomic and EST sequence databases, as well as to develop methods for the functional annotation of proteins. You will have access to our extensive computational resources and proprietary information to develop and apply computational tools for the analysis of sequence, expression, and structural data. The department works closely with other Genentech scientists to discover new genes, identify drug targets, and understand genomic structure and function. You must have a PhD in Molecular Biology, Genetics, Bioinformatics or a related field or have equivalent experience. Also required is fluency in Perl, Unix, and a high-level programming language such as C or Java. Experience with DNA and protein databases and gene prediction algorithms is desired. Job Code: 4573

Scientist, Molecular Oncology

Leading this research team, you will study novel oncogenes and their signaling interactions and roles in normal cell biology and cancer. You must have a PhD or MD and at least 3 years of postdoctoral experience in mammalian cell biology. You must have at least 3 first-author publications in major journals. Experience in the field of cancer research is preferred. Job Code: 4369

To apply for these positions, please visit our Careers page at www.gene.com/gene/careers/jobpost and indicate the Job Code listed above. Genentech is an Equal Opportunity Employer located in So. San Francisco.

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Protein Science at Myriad Genetics, Inc.

Myriad Genetics is well known for its discovery of genes conferring susceptibility to cancer and for its cancer diagnostics service. Myriad has also established programs in high-throughput sequencing, protein interactions mapping, cell biology (validation), and pharmaceuticals' development. Many of the candidate drug targets we discover require further biochemical characterization and we are currently seeking an individual with expertise in protein biochemistry to help further our efforts.

Research Scientist

We are searching for a protein scientist with a Ph.D. with 2-5 years of post-doctoral experience, including experience in mass spectrometry, SPR and protein purification. You will manage other researchers and must have good team-building and interpersonal skills.

Myriad Genetics is located in Salt Lake City at the foot of the Wasatch Mountains and is close to numerous outdoor recreational areas. Applicants should send, fax, or e-mail 1) a (cover) letter of interest specifying the position, and 2) a complete resume or CV (including a concise research summary and a technical skills section) to:

Myriad Genetics, Inc. Attn: Human Resources
320 Wakara Way, Salt Lake City, Utah 84108-1214
FAX (801) 584-1144 * humanres@myriad.com

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Laboratory of Molecular Biology, Cambridge

Career-Track Position in Neurobiology

Scientists interested in developing an independent programme of basic research in any aspect of neurobiology/neurodegeneration are invited to apply for a career-track position in the Division of Neurobiology. Current research interests of the Division focus on the molecular mechanisms of synaptic transmission, neurodegeneration and circadian rhythms.

Career-track positions are equivalent to tenure-track and are for candidates at an early stage in their career. The appointment, initially for six years, will be to MRC salary Band 2, with the starting salary likely to be in the range of £30,488 - £33,537 per annum, depending on qualifications and experience, plus a scientific supplement of 6% (rising to 9% in August 2002). This is supported by a flexible pay and reward policy and MRC Pension Scheme. Some financial assistance with relocation may be available.

The Laboratory of Molecular Biology provides an excellent environment for hands-on research. Institutional funding is available and there are no teaching responsibilities. There is extensive central support including electronic and instrumentation workshops, imaging and transgenic facilities. Interactions across the four Divisions within the Laboratory are encouraged. Additional information about the Laboratory may be obtained at <http://www.mrc-lmb.cam.ac.uk>

Further information can be obtained from Dr. Michel Goedert, e-mail: mg@mrc-lmb.cam.ac.uk or Dr. Nigel Unwin, tel: +44 1223 402492 or e-mail: mas@mrc-lmb.cam.ac.uk

Applications should include a full CV, a brief description of research interests and the names and addresses of two professional referees who can be contacted prior to interview. Please quote reference NB/102/15 and e-mail to recruit@mrc-lmb.cam.ac.uk or post to Kelly Andrews, Personnel Assistant, MRC Centre, Hills Road, Cambridge, CB2 2QH.

Closing date: 1 March 2002

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Career in Biotechnology JUNIOR/SENIOR SCIENTISTS (Based in Hong Kong)

A life sciences company, member of a leading international commercial group, dedicated to improving the environment and the quality of human life is recruiting over 30 junior/senior scientists in different areas.

- Responsible for the performance of top quality applied research on in-house or out-source projects relating to products under development including drugs. He/she will have to oversee the performance and completion of the project involved, including formulation of product specification, assessment of product quality and technical assistance to customers;
- A Master's, Ph.D/MD Degree in Environmental or Biomedical Sciences with excellent research record;
- Preference will be given to those with expertise in one or more of the following areas: microbiology, agriculture (animal/plant), bioremediation, environmental engineering, biomedical, physiology, pharmacology, oncology, pharmacy and other biotechnological areas.
- Good English required and practical fluency in the Chinese languages (include Putonghua) is preferred.

Attractive remuneration will be offered to the right candidates. Please send your CV detailing academic and professional achievements to HR Manager, GPO Box 2420, Hong Kong or email to career_hk@yahoo.com.hk.

Save Lives Through Biotechnology

If there's a breakthrough in blood, plasma, or tissue, there's a good chance the American Red Cross is behind it.

Investigator Position-Scientist II Biomedical Safety/Transmissible Diseases

Applications are invited for a principal Investigator position at the Professor level equivalent in the Transmissible Diseases Department at the Holland Laboratory for the Biomedical Sciences. Applicants should be highly motivated Ph.D.s with a strong record of peer-reviewed publications on protein chemistry and molecular biology of blood-borne pathogens. They should also possess excellent interpersonal/communication skills, the potential to establish an internationally-recognized, independent research program, and an interest in developing collaborative/program projects with the other scientists in the department. At least 5 years of research experience at a Scientist I level and qualifications equivalent to that of an Associate Professor in a university or medical center are required.

The Holland Laboratory, the national R&D division of the American Red Cross, is located ten miles north of the NIH in Rockville, MD in the Washington, DC metropolitan area and offers an excellent start-up package, including a well-equipped, newly-renovated laboratory space plus full salary support and benefits.

Interested individuals should send their curriculum vitae, a statement of accomplishments and future research plans, as well as 3 reference letters to:
**Attn: Chyang T. Fang, Ph.D., Sr. Scientist-Transmissible Diseases Dept.,
Holland Laboratory, American Red Cross, 15601 Crabbs Branch Way,
Rockville, MD 20855; or E-mail: FangC@usa.redcross.org**



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POSITIONS OPEN

The Cardiology Unit, Department of Medicine, The University of Vermont College of Medicine, seeks a Physician-Scientist to be appointed in the tenure track at the **ASSISTANT or ASSOCIATE PROFESSOR** level with laboratory research interests pertinent to cardiac hypertrophy and failure. Applicants will be expected to establish an independent research program and collaborate with a highly interactive group of Investigators working in the field at the University of Vermont College of Medicine as well as participate in regular activities of the Cardiology Unit. Applications should be sent to: **Dr. Martin M. LeWinter, Professor of Medicine, Cardiology Unit, UVM/Fletcher Allen Health Care, 111 Colchester Avenue, McClure 1, Burlington, VT 05401.** Review of applications will begin immediately. However, we strongly encourage the submission of material by April 1, 2002. *UVM is an Affirmative Action/Equal Opportunity Employer. Applications from women and people from diverse racial, ethnic, and cultural backgrounds are encouraged.*

SENIOR EDITOR

The *Journal of Rehabilitation Research and Development*, published by the Department of Veterans Affairs, Rehabilitation Research and Development Service, has an opening for a Senior Editor to manage all editorial processes for this scientifically reviewed and indexed leading journal of disability research. Candidate should be able to demonstrate strong leadership ability, familiarity with the scientific review process, and excellent oral/written communication skills. Experience in rehabilitation is preferred but not required. Responsibilities also include developing research information dissemination program. Salary will be in the range of \$65,000. Position is located in Baltimore, Maryland, and *U.S. citizenship is a must*. To apply, please submit curriculum vitae and cover letter explaining your interest in the position to: **RRD Office; FAX: 202-275-7228.** *VARRD is an Equal Employment Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

FACULTY POSITION Virology/Immunology/Immunogenetics University of Pittsburgh

The Department of Infectious Diseases and Microbiology of the Graduate School of Public Health, University of Pittsburgh, is seeking outstanding applicants for a tenure-track position in molecular virology, immunology, or immunogenetics of HIV or other viruses. This is part of a strong multidisciplinary program wherein molecular biology, immunology, and the genetic basis of viral disease are integrated with ongoing clinical, natural history, and vaccine studies. Candidates should have a Ph.D., M.D., or equivalent and sufficient experience to establish a funded, independent research program. The faculty level, salary, and starting date are negotiable. Send curriculum vitae and names of three references to: **Charles R. Rinaldo, Jr., Ph.D., Chairman, A427 Crabtree Hall, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA 15261. Telephone: 412-624-1637; FAX: 412-624-4953; e-mail: rinaldo+@pitt.edu.** To ensure full consideration of all applicants, applications will be reviewed until the position is filled. Applicants for this position should refer to Job Number 02296. *The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITION available immediately in a laboratory studying the role of phosphorylation of the inositol 1,4,5-trisphosphate receptor in the regulation of signal transduction. Previous electrophysiology experience is required. Please send letter of interests, curriculum vitae, and the names of three references to: **Dr. Alan Fein, Department of Physiology, University of Connecticut Health Center, Farmington, CT 06030-3505. FAX: 860-679-1269; e-mail: afein@neuron.uchc.edu.**

POSITIONS OPEN

ASSISTANT PROFESSOR Department of Physiology, Queen's University

The Department of Physiology ([website: http://meds.queensu.ca/medicine/physiol/](http://meds.queensu.ca/medicine/physiol/)) invites applications for a three-year term, nonrenewable replacement position at the level of Assistant Professor. While the successful applicant will be appointed in the Department of Physiology, his/her research interests should align with the Interdisciplinary Cardiac, Circulatory, and Respiratory (CCR) Research Program, which is an established research focus of the Faculty of Health Sciences at Queen's University. Candidates should have expertise in cardiorespiratory physiology, in particular with the ability to enhance the cardiac node of the CCR research program. Requirements include a Ph.D. or M.D. degree, outstanding scholarship, a strong record of achievement, and the potential to attract external funding.

Queen's University is recognized nationally for the quality of its undergraduate and graduate programs, which attract outstanding students. Queen's University is an integral part of the vibrant Kingston community in the heart of the Thousand Islands region of southeastern Ontario, Canada. It has a community spirit and amenities unmatched by any other Canadian university. The University and the region offer an outstanding academic and community environment ([website: http://www.queensu.ca](http://www.queensu.ca)).

The deadline for applications is March 1, 2002. Applicants should forward a copy of the curriculum vitae and names of three references to: **Dr. A.V. Ferguson, Professor and Head, Department of Physiology, Queen's University, Kingston, Ontario K7L 3N6 Canada.**

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. Queen's University is committed to Employment Equity and welcomes applications from all qualified women and men including visible minorities, aboriginal people, persons with disabilities, gay men, and lesbians.



The Animal Improvement Programs Laboratory, Animal and Natural Resources Institute, Beltsville Agricultural Research Center, Beltsville, MD, is seeking a permanent **RESEARCH GENETICIST (Animal)**, GS-11/12/13, to conduct research to improve methods of estimation of genetic transmitting ability for economic traits for dairy animals. The assignment is to develop procedures to enhance genetic improvement in the nation's dairy population for health and fitness traits; initiate data analysis projects for direct use by the dairy industry; evaluate current and anticipate future dairy industry needs in the areas of genetic improvement; and translate results into language understandable by extension specialists, industry personnel, and dairy producers. Knowledge of animal genetics, genetic evaluation systems, dairy cattle breeding principles, and statistics is required. Ph.D. in animal breeding or a related field is preferred. Ability to conduct and publish independent research; skill in programming in SAS, C or Fortran; and U.S. citizenship are required. Salary is commensurate with experience. For copy of vacancy announcement and application information contact **Judy Harrington** at 301-504-1369 or at jh@ars.usda.gov, or view announcement ARS-S2E-2146 on Internet under www.ars.usda.gov. Applications must be submitted by February 25, 2002.

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Anders Bjorklund Wallenberg Neurocenter Center
Connie Cepko Harvard Medical School
Mahlon Delong Emory University
Catherine Dulac Harvard University
Mary Hatten Rockefeller University
Alan Koretsky National Institutes of Health
Nikos Logothetis Max Planck Institute
Jeffrey Macklis Harvard Medical School
Pierre Magistretti Institute de Physiologie
Marcus Meister Harvard University
Miguel Nicolelis Duke University
Lawrence Salkoff Washington University
Joseph Takahashi Northwestern University
Kamil Ugurbil University of Minnesota

Symposium Sessions

Monday, May 13, 2002 - 9:00 AM - 5:00 PM
Tuesday, May 14, 2002 - 9:00 AM - 5:00 PM

Wong Auditorium

MIT Building E51, Cambridge, MA 02139

Registration is not required. Admission is Free
For more Information: web.mit.edu/mcgovern OR mcgovern@mit.edu

GRANTS

RFA Announcement



The Ara Parseghian Medical Research Foundation announces an unrestricted request for applications (RFA) directed toward understanding the cause and/or developing a treatment for Niemann-Pick Type C (NPC) disease. NPC is an autosomal recessive neurological storage disease. The gene responsible for NPC disease (NPC1) was isolated in 1997 and yeast, fly, worm, cat and mouse homologues have been identified. NPC1 mutant mice are available through Jackson Laboratories and human NPC1 and NPC2 mutant cell lines are available. Preliminary characterization of the NPC1 gene product suggests that it is a membrane-bound protein involved in vesicular trafficking of sterols, sphingolipids and other metabolites.

The Foundation will fund meritorious research proposals for up to a two-year period (renewable thereafter), at a maximum of \$125,000/year, excluding salary support for the Principal Investigator. Investigators new to this field are encouraged to apply for funding. Targeted areas of emphasis include:

1. Cell Biology of the NPC1 and NPC2 proteins: Elucidation of the intracellular function(s) of the NPC1 and NPC2 proteins with particular emphasis on fully characterizing the role of these proteins in vesicular trafficking and intracellular signaling.
2. Neurobiology of NPC disease: Determination of the molecular pathogenesis of NPC disease in the CNS with particular emphasis on defining the function of the NPC1 and NPC2 proteins in the CNS.
3. Clinical trials and NPC disease: Identification of surrogate endpoints in NPC patients by non-invasive imaging, neurophysiological testing and/or genomics/proteomics approaches. Design of novel assays to screen for bioactive compounds that may prove therapeutically efficacious in NPC disease.

The application deadline is: April 1, 2002 with funding to begin July 1, 2002. For information and application forms, please contact: Ara Parseghian Medical Research Foundation, 1760 E. River Road, Suite 115, Tucson, AZ 85718. Telephone: 520-577-5106; FAX: 520-577-5212. **For complete information on grants administration, instructions and to download the grant application, visit our web site at www.parseghian.org.**

POSITIONS OPEN

FACULTY POSITION PSYCHIATRY PRECLINICAL/ BASIC RESEARCH

Applications are invited for a tenure-track **ASSISTANT/ASSOCIATE PROFESSOR** position to strengthen preclinical research and graduate education in behavioral neuroscience at the University of Texas Medical Branch (UTMB-Galveston). The Department of Psychiatry and Behavioral Sciences seeks candidates to bridge ongoing basic and clinical research. Applicants with a neuroscience background and current research focused on problems of neuro-immunology, neurodegeneration, or neuromodulation of psychiatric disorders such as substance abuse or mood and anxiety disorders are encouraged to apply. The new UTMB Program in Neuroscience is composed of 98 faculty Scientists, many with established programs in substance abuse research, pain research, and preclinical anxiety research. UTMB is the recipient of numerous NIH training grant programs, among which are included an NIDA postdoctoral training grant and a GCRC. The successful candidate must hold a Doctoral degree in neuroscience or a related discipline such as pharmacology, immunology, microbiology, and psychology and will be expected to establish an independent and innovative research program. The successful candidate must be eligible for a joint appointment in an appropriate basic science department. A demonstrated ability to attract research funding is essential. Associate Professor-level candidates should have current funding. A competitive start-up package, salary commensurate with experience, and newly renovated space are available.

Candidates should send curriculum vitae and cover letter describing their research interests and plans and a list of three references to: **Eric M. Smith, Ph.D., Chair or Kathryn Cunningham, Ph.D. (Vice Chair for Research, Pharmacology), Co-Chair, Search Committee, Department of Psychiatry and Behavioral Sciences, Route 0431, Galveston, TX 77555-0431.** Review of applications will continue until position is filled.

The University of Texas Medical Branch is an Equal Opportunity/Affirmative Action Employer. Minorities and women are encouraged to apply.

MEDICAL WRITER/ SENIOR MEDICAL WRITER Princeton, New Jersey Headquarters

Novo Nordisk is the world's leader in diabetes care. Novo Nordisk is also establishing a strong presence in hemophilia/general hemostasis and growth disorders. Novo Nordisk is devoted to making a difference in people's lives around the globe.

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To qualify, we require an M.S. or Ph.D. in a life science discipline or Pharm.D.; two or more years of relevant academic or pharmaceutical industry experience (medical writing, clinical research, regulatory affairs, marketing); the ability to work independently and meet deadlines; and computer proficiency plus excellent writing and verbal communication skills. Some overnight travel is required.

In return, we offer an extremely attractive compensation package with excellent benefits and incentives. For confidential consideration, please send your résumé with cover letter, which must include salary requirement, to: **Attention: Human Resources, Department JY.** Only candidates considered further will be contacted.

Novo Nordisk Pharmaceuticals, Inc.
E-mail: jyac@nnpi.com
FAX: 609-987-5912

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POSITIONS OPEN

ASSISTANT PROFESSOR of microbiology. The Department of Veterinary and Microbiological Sciences at North Dakota State University invites applications for a tenure-track faculty position in epidemiology/food safety risk assessment at the **ASSISTANT PROFESSOR** level. The successful candidate will establish an active, independent research program in epidemiology of infectious disease and participate in an ongoing collaboration in the area of risk assessment of foodborne illness. The successful candidate's research will complement existing programs in food safety and microbiology. This individual will be expected to teach an undergraduate and graduate course and supervise graduate students. The successful candidate must have a relevant Doctorate and advanced training in epidemiology, research experience with evidence of recent research accomplishments, and good oral and written communication skills. Teaching experience, grantsmanship ability, and a stated interest in food safety and/or risk assessment are preferred. For more information, please consult our departmental website: <http://www.ag.ndsu.nodak.edu/vms/>. Review of applications will begin on 15 March 2002 and will continue until the position is filled. Send curriculum vitae; a statement of teaching and research philosophy; and the names, addresses, telephone numbers, and e-mail addresses of at least three references to: **Lisa K. Nolan, D.V.M., Ph.D., Chair, Search Committee, Department of Veterinary and Microbiological Sciences, North Dakota State University, Fargo, ND 58105. Telephone: 701-231-8530; FAX: 701-231-9692; e-mail: lisa.nolan@ndsu.nodak.edu.** North Dakota State University is an Equal Opportunity Institution.

ECOLOGIST. The National Research Program of the U.S. Geological Survey's Water Resources Discipline invites applications for a full-time research position in Reston, Virginia, emphasizing ecological hydrology. Candidates should have a strong foundation in aquatic ecology and demonstrated experience in one or more of the following: hydrology, watershed processes, spatial or time series analysis, systems modeling, analysis of large regional data sets, taxonomy and evolutionary theory, landscape ecology, or manipulation of remotely sensed data from various sources. Particularly sought are candidates with ability to cross these disciplinary lines and work with colleague Hydrologists, Geochemists, and Ecologists. Requires Ph.D. or equivalent experience with strong evidence of independent research capability. Salary is \$48,000 to \$75,000 commensurate with experience. For more information on job requirements and how to apply, go to website: <http://www.usajobs.opm.gov>. Refer to Vacancy Number ER-02-702. **Richard Marzolf (Telephone: 703-648 5828; e-mail: rmarzolf@usgs.gov)** will answer other questions. Submit a résumé, bibliography, and brief description of research interests to: **Personnel Office, U.S. Geological Survey, 157 National Center, Reston, VA 20192.** Applications must be received by March 29, 2002. *The U.S. Geological Survey is an Equal Opportunity Employer. U.S. citizenship is required.*

ASSISTANT PROFESSOR/MOLECULAR BIOLOGIST (VF26). Tenure-track position to start September 1, 2002. We seek a Molecular Biologist with expertise in computer applications in biological systems. Required: Ph.D., strong computational background, and demonstrated commitment to teaching and research. The successful candidate will be expected to help in developing a new interdisciplinary program in bioinformatics. Responsibilities include teaching courses such as molecular biology, bioinformatics, and participating in other biology courses as appropriate and development of a funded research program that involves students. Candidates should send a letter of application, curriculum vitae, and statement of teaching and research philosophy. Position subject to available funding. Screening begins immediately and continues until position is filled. Send application: **Dr. Bonnie Lustigman, Biology and Molecular Biology Department, Montclair State University, Upper Montclair, NJ 07043.** Montclair State University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ASSISTANT SPECIALIST FOREST ENTOMOLOGY Cooperative Extension

The University of California at Berkeley, Division of Insect Biology within the Department of Environmental Sciences, Policy, and Management, invites applications for a Cooperative Extension Specialist at the Assistant level with emphasis on the insect pests of urban and wildland forests. This is a full-time, fiscal-year position and is available from July 1, 2002.

Applicants must have a Doctoral degree with training in entomology, forestry, or related field of applied biology and an excellent record of scientific productivity and communication skills. The successful applicant will be expected to develop an applied research program in forest entomology; provide leadership in the extension of research information on the insect pests of trees; and coordinate professional activities with appropriate University, public, and private sector personnel.

Interested persons should apply by submitting curriculum vitae, a statement of research interests, a statement of extension experience and interests, copies of recent publications, and have at least three letters of reference sent to:

**Nicholas J. Mills, Chair
Cooperative Extension-Forest Entomology
Search Committee
ESPM—Insect Biology
201 Wellman Hall
University of California
Berkeley, CA 94720-3112**

The closing date for applications is March 15, 2002.

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

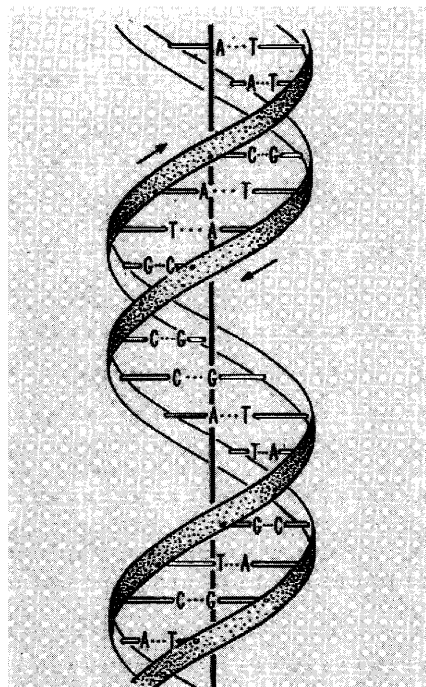
RESEARCH PLANT MOLECULAR GENETICIST, GS12/13/14, U.S. Department of Agriculture, Agricultural Research Service (USDA-ARS), Western Cotton Research Laboratory, Phoenix, Arizona, has a permanent, full-time vacancy. The incumbent will use molecular approaches in conjunction with conventional genetics to evaluate and enhance long and/or short staple cotton germplasm. Objectives may include (1) identification, characterization, and manipulation of genes that regulate biochemical pathways that impact cotton yield, fiber/seed quality, or tolerance to environmental stress; (2) utilize marker-assisted selection to accelerate germplasm improvement; and (3) develop and evaluate new genetic resources. Incumbent will interact with team members conducting active programs in plant breeding and plant physiology/biochemistry. Salary range is \$54,275 to \$99,150 per year. The full text vacancy announcement and application instructions may be obtained via the Internet (website: <http://www.ars.usda.gov>) or call: **Michael Wiggett; Telephone: 602-437-1376, Extension 281.** Indicate Announcement Number ARS-X2W-2101. Incomplete applications will not receive consideration. Applications must be postmarked by March 18, 2002. For more information, contact **Dr. S.J. Crafts-Brandner; Telephone: 602-437-0121, Extension 222.**

Applicants must be U.S. citizens. USDA-ARS is an Equal Opportunity Employer.

An NIH-funded **POSTDOCTORAL POSITION** is immediately available to study cytokine signaling and gene regulation in T helper cells (*JEM* 194:165). Experience in molecular biology, immunology, and signaling transduction is desired. Please send curriculum vitae and three references to:

**Hua Huang, M.D., Ph.D.
Cell Biology
Loyola University Medical Center
Building 102, Room 5657
2160 South First Avenue
Maywood, IL 60153
E-mail: hhuang@lumc.edu**

*Announcing a special meeting in celebration of the
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A schematic illustration of the double helix. The two sugar-phosphate backbones twist about on the outside with the flat hydrogen-bonded base pairs forming the core. Seen this way, the structure resembles a spiral staircase with the base pairs forming the steps.

The Biology of DNA

February 26 - March 2, 2003

Cold Spring Harbor Laboratory, New York

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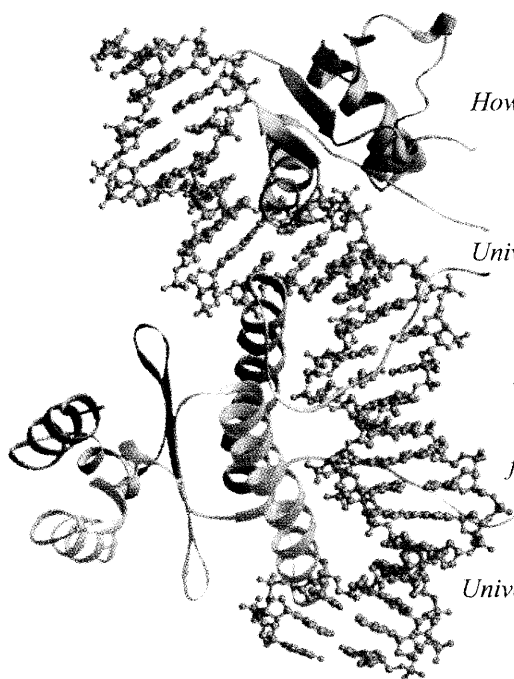
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formerly Rutgers University



The meeting will include overviews of current research as well as a limited number of talks placing modern research within a historical context. Early registration for this meeting is strongly encouraged as space is limited and we fully expect that the meeting will become oversubscribed. A limited number of abstracts will be selected for presentation as posters at the meeting.



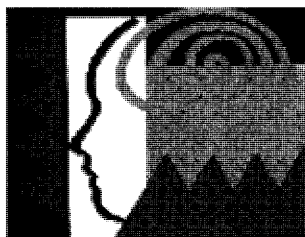
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CONFERENCES



CONFERENCE ANNOUNCEMENT

THE HUMAN BRAIN PROJECT/ NEUROINFORMATICS

Natcher Conference Center, National Institutes of Health, Bethesda, Maryland

MAY 6 -7, 2002

Neuroinformatics combines the concepts and principles developed in neuroscience research with those from the fields of computer science and information technology (informatics) research. The creation of an information management system for neuroscience will allow scientists to more easily integrate data about the brain and nervous system into new knowledge.

Specific Goals of the Conference:

- Provide updates on current developments in Neuroinformatics research from Human Brain Project Grantees.
- Present novel or innovative methodological strategies, databases, and tools in Neuroinformatics research.
- Offer new opportunities for investigators to become more informed and involved in the field of Neuroinformatics research.

Call for Abstracts: Abstracts for computer demonstrations and poster presentations will be selected from among those abstracts submitted by **April 5, 2002**. Limited funds are available to help defray travel costs for predoctoral students, postdoctoral fellows and investigators submitting abstracts for poster or electronic demonstrations that are not currently supported by the Human Brain Project.

For registration information, contact: Lisa Gail, Conference Planner, BL Seamon and Associates, Inc., 4221 Forbes Boulevard, Suite 245, Lanham, MD 20706; Phone: (301) 577-0244; Fax: (301) 577-5261; LisaG@blseamon.com
You may register on-line at <http://blswift.net/digctr3/HBP2002>; **Registration Deadline:** April 26, 2002

For more information about the Human Brain Project and the most recent detailed information on the 2002 Conference (registration, hotels, abstract submission, etc.) please visit our Homepage at www.nimh.nih.gov/neuroinformatics/index.cfm

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Access the National Cancer Institute's (NCI) vast resources free of charge to facilitate discovery and preclinical development of novel anticancer therapeutic agents. The National Cancer Institute invites the submission of proposals to:

Rapid Access to NCI Discovery Resources R•A•N•D

R•A•N•D is not a grant program. Successful applicants instead will receive products or information generated by NCI contractors to aid the applicant's efforts to translate basic research findings to the discovery of new drugs and biologics. The goal of R•A•N•D is to remove the most common barriers between basic research findings and their exploitation for discovery of new molecular entities. Examples of tasks that may be requested include: production/characterization of molecular target proteins; high-throughput screening (HTS) assay development; natural product isolation/characterization; synthesis of combinatorial libraries; early pharmacology and in vivo efficacy studies.

- The next deadline for receipt of applications is April 1, 2002 (Letter of Intent required 30 days prior).
- Further information about this program can be found at: <http://dtp.nci.nih.gov>
- Inquiries can be made to the R•A•N•D Program Coordinator by telephone at 301-496-8720 or by e-mail at RAND@dtpax2.ncifcrf.gov.

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Developmental Therapeutics Program
National Cancer Institute
6130 Executive Blvd., RM 8022
Rockville, MD 20852
Tel: 301-496-8720; Fax: 301-402-0831
RAND@dtpax2.ncifcrf.gov

NEDO

FY2002 GRANTS FOR INTERNATIONAL JOINT RESEARCH IN THE AREAS OF BASIC RESEARCH, ENERGY, INTERNATIONAL STANDARD DEVELOPMENT AND GLOBAL ENVIRONMENT

The New Energy and Industrial Technology Development Organization (NEDO), which is subsidized by the Ministry of Economy, Trade and Industry (METI) of Japan, has been conducting the International Joint Research Grant Program. This program aims to promote advancement of the international level of industrial technology, and the results achieved are expected to create the basis for new key industrial technology.

In this regard, NEDO will provide grants to international joint research teams which conduct excellent, innovative and original research in the areas of basic research, energy, international standard development and global environment. For the global environment area, this program will be carried out jointly with the Research Institute of Innovative Technology for the Earth (RITE)

Requirements

1. The research team must be composed of researchers with sufficient ability to conduct research on the proposed theme. The researchers must fully cooperate with one another to carry out the research activities, and not only perform their own share of the research. The research team should utilize the merits and synergy of the cooperative research.
2. In principle, each member of the research team must belong to a research laboratory (see Note below), and shall be a diligent person who can take responsibility regarding implementation of the research plan and accounting management concerning research activities.
3. Each team must, in principle, consist of four (4) or more researchers
4. Each team must consist of researchers of two (2) or more nationalities
5. Researcher affiliates (research laboratories at which the proposed research will be performed) must be located in two (2) or more countries, and one (1) of the research members must belong to a research laboratory which has its head office in Japan.
6. Each team must appoint a research coordinator from among its members. The research coordinator should be a person who can represent the research team and plan the research schedule. The research coordinator can concurrently serve as the accounting coordinator.
7. Each team must appoint an accounting coordinator from among its members. The accounting coordinator's research laboratory and research location must be in Japan, and he/she must be able to communicate with NEDO in Japanese. The research coordinator can concurrently serve as the accounting coordinator.

Note: There are no specific requirements concerning researcher affiliates. However, they should at least have the basic facilities required for the proposed research.

Eligible Research Areas and Amount of Grant

Research Area	Field of Research	Amount of Each Grant of FY2002	Number of Themes to be Adopted	Recipient of Applications
Basic Research	Basic research which will lead to the creation of new industries. For FY2002, eligible research fields are Nanotechnology, Materials, and Information Technology.	About 24,000,000 yen/FY	3	NEDO
Energy	(Related to power generation) Practical research on industrial technology concerning utilization of oil-alternative energy for power generation, leveling of electric loads and related global environment conservation.	About 30,000,000 yen/FY	3	
	(Efficient use) Practical research related to industrial technology for efficient use of energy, excluding electric power generation.	About 30,000,000 yen/FY	1	
International Standard Development	Research aiming at establishment of international standards to contribute to improvement of industrial technology.	About 20,000,000 yen/FY	2	RITE
Global Environment	Practical research on industrial technology concerning the production, generation and utilization of oil-alternative energy, excluding electric power generation technologies, which contributes to conservation and improvement of the global environment.	About 30,000,000 yen/FY	4	

Research Term: Each team may receive a grant for a maximum of three (3) years.

Application Term: January 15, 2002 to March 13, 2002 (Applications must reach recipients by the deadline.)

Application Forms

Application forms can be downloaded from <http://www.nedo.go.jp/itd/grant-e/index.html> (from mid-January 2002). If you experience any problems in downloading the forms, please send the following information to NEDO by facsimile or e-mail indicating such.

Name, Affiliation, Department, Position, Address, Telephone, Facsimile, E-mail address

Recipient of Applications

Basic Research, Energy and International Standard Development areas: NEDO

Research Grant Division, Research Funding & Fellowship Department, New Energy and Industrial Technology Development Organization (NEDO)

Address: PO Box 1151, 29th Floor, Sunshine 60 Bldg., 1-1 Higashi-Ikebukuro 3-chome, Toshima-ku, Tokyo 170-6028 Japan; **Telephone:** +81-3-5952-0071; **Fax:** +81-3-5952-0081; **E-mail:** yoshidatksa@nedo.go.jp, motomuramsy@nedo.go.jp; **Homepage:** <http://www.nedo.go.jp/itd/grant-e/index.html>

Global Environment area: RITE

Research Proposals Reception Section, Research Planning Department, Research Institute of Innovative Technology for the Earth (RITE)

Address: 9-2, Kizugawadai, Kizu-cho, Soraku-gun, Kyoto 619-0292 Japan; **Telephone:** +81-774-75-2302; **Fax:** +81-774-75-2314; **E-mail:** proposal@rite.or.jp; **Homepage:** <http://www.rite.or.jp>

POSITIONS OPEN

CHAIR DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE Emory University School of Medicine

Emory University School of Medicine invites nominations and applications for the position of the Chair of the Department of Pathology and Laboratory Medicine. This position offers outstanding resources and institutional commitment in the setting of a major academic health center.

The Department of Pathology and Laboratory Medicine serves three Emory-owned and three Emory-affiliated hospitals including a freestanding pediatric hospital and also The Emory Clinic.

We are seeking an individual who has leadership capabilities, previous academic and administrative experience, the ability to develop and foster an already preeminent departmental research program, and a commitment to maintain and enhance strong clinical programs in the context of the national changes in health care delivery. Candidates must be Board certified in pathology and must be eligible for medicine licensure in Georgia. Salary and benefits are highly competitive.

Applications and nominations should include current curriculum vitae and names and addresses of three references. Submit materials to: **Pathology Chair Search Committee, c/o Office of the Dean, Emory University School of Medicine, 1440 Clifton Road, N.E., Suite 319, Atlanta, GA 30322. Attention: Ms. Shelle Bryant. E-mail: sbryant@medadm.emory.edu.** The Search Committee will review applications until the position is filled.

Emory University is an Equal Opportunity/Affirmative Action Employer and encourages the application and nomination of qualified minority and female candidates.

ADVANCED ANALYTICAL PROTEIN CHEMISTRY

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Wake Forest University: Three **POSTDOCTORAL POSITIONS** are open immediately to study the signaling mechanism in tumor suppressor gene DCC-induced apoptosis. Experience in apoptosis and cell cycle is preferred. Two Postdoctoral positions are available to study androgen receptor, coregulators, and their implication in prostate cancer. Experience in prostate cancer is preferred. Please send curriculum vitae to: **Dr. Yong Chen, Department of Cancer Biology, Wake Forest University, Medical Center Boulevard, Winston-Salem, NC 27157. E-mail: yqchen@wfubmc.edu. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION is available immediately to study calcium sparks and spikes in cardiac and vascular smooth muscle cells using patch clamp and confocal fluorescence imaging techniques. Experience in electrophysiology, molecular biology, and/or immunohistochemistry preferred. Send curriculum vitae and three references to: **James S.K. Sham, Ph.D., Division of Pulmonary and Critical Care Medicine, Johns Hopkins School of Medicine, 5501 Hopkins Bayview Circle, Baltimore, MD 21224. FAX: 410-550-2612; e-mail: jsks@welchlink.welch.jhu.edu.**

POSITIONS OPEN

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POSTDOCTORAL POSITION University of Oslo, Norway

A Postdoctoral position is immediately available to study the molecular biology of prostate cancer in a stimulating research environment. Human xenograft models and tissue culture systems are utilized to study differential gene regulation in response to androgens. A number of novel prostate enriched genes have been identified and are being characterized. These projects involve state-of-the-art molecular and cell biological techniques. Experience in some of the following areas is highly desirable: gene targeting in mice, inducible gene expression, adenoviral expression, transcriptional assays, promoter analysis, cDNA microarray analysis, bioinformatics, protein biochemistry, and live cell imaging methods. Interested persons with a Ph.D. and/or M.D. degree and a strong background in molecular and cellular biology methods should send their curriculum vitae along with names, addresses, telephone numbers, and e-mail addresses of three references to: **Professor Fahri Saatcioglu, Department of Biology, University of Oslo, Boks 1066 Blindern, 0316 Oslo, Norway. E-mail: fahris@biotek.uio.no.**

RESEARCH FELLOW POSITION

An NIH Postdoctoral Fellow position is now available in the laboratory of molecular biology and can provide an opportunity for a highly capable individual to join the NIH community and to explore the biochemical mechanisms of HIV pathogenesis. We are presently assessing the biochemical activity of HIV Nef and its capacity to modify cellular function. Experience with molecular biology of cellular signal pathways and gene expression would be an asset. Interested candidates should forward their curriculum vitae and the names of three references to: **Jon W. Marsh, Chief, Unit on Lymphocyte Function, Laboratory of Molecular Biology, National Institute of Mental Health, Building 36, Room 1B08, 36 Convent Drive MSC 4034, Bethesda, MD 20892-4034. E-mail: jon@codon.nih.gov. NIH is an Equal Opportunity Employer.**

A **POSTDOCTORAL POSITION** is available immediately to study novel signaling pathways involved in inflammatory lung diseases such as asthma and COPD using genetically modified mice. Experience in molecular biology and immunology is preferred. Please send curriculum vitae, a brief statement of past research, and names and contact information for three references to: **Dr. Michael Blackburn, Department of Biochemistry and Molecular Biology, The University of Texas-Houston Medical School, 6431 Fannin, Houston, TX 77030. E-mail: michael.r.blackburn@uth.tmc.edu.**

Equal Opportunity Employer/Affirmative Action/Security Sensitive Position. Women and minorities encouraged to apply.

POSTDOCTORAL POSITION. Research includes the molecular analysis of the actions of vitamin A and retinoic acid in cancer and development. Some molecular biology experience preferred. Send curriculum vitae, names of three references, and a statement of research interests to: **Dr. Lorraine J. Gudas, Chairman, Department of Pharmacology, Weill Medical College of Cornell University (formerly Cornell University Medical College), 1300 York Avenue, New York, NY 10021. FAX: 212-746-8858. An Equal Opportunity Employer/Affirmative Action/Minorities/Females/Disabled/Veterans.**

POSITIONS OPEN

POSTDOCTORAL POSITIONS in chemical genetics and proteomics are available immediately to elucidate the roles of a family of critical regulatory enzymes, the protein tyrosine phosphatases (PTPs), in cellular signaling. Projects involve (1) application of substrate-trapping mutants in combination with mass spectrometry and Biacore biosensor for rapid isolation, identification, and characterization of physiological PTP substrates; (2) development of potent and selective PTP inhibitors using combinatorial chemistry and high-throughput screening; and (3) use of potent and selective small molecule PTP inhibitors to delineate the physiological roles of these enzymes *in vitro*. Candidates should have a Ph.D. or equivalent with strong background in one or more of the following areas: proteomics (protein separation with 2-D Page/HPLC and identification by mass spectrometry), synthetic chemistry, biochemistry/enzymology, molecular and cell biology. Experience in bioinformatics in protein analysis and/or signaling transduction is also desirable. Successful candidates will work in an interdisciplinary environment ranging from synthetic chemistry to molecular and cell biology, enzymology, and structural biology. Please send or e-mail your résumé and three letters of recommendation to: **Dr. Zhong-Yin Zhang, Departments of Molecular Pharmacology and Biochemistry, The Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461. E-mail: zyzhang@aecom.yu.edu. Equal Opportunity Employer.**

POSTDOCTORAL FELLOW COMPUTATIONAL BIOLOGY University of California, San Francisco

Immediate opportunity to study and create new *in silico* strategies for integrating large-scale data and biological network information within hierarchical system models. Goal: new knowledge and causal insights into how such complex systems may respond under interventions (e.g., a drug). Send curriculum vitae, statement of purpose, and contact information for three references to: **Dr. C. Anthony Hunt, Bioengineering Graduate Group, University of California, 513 Parnassus Avenue, S-926, San Francisco, CA 94143-0446. E-mail: hunt@itsa.ucsf.edu; website: <http://biosystems.ucsf.edu/Postdoc02>. UCSF is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITIONS: Two Postdoctoral positions are available to investigate the regulation of epithelial cell proliferation and migration. We are currently investigating Rho GTPase-mediated cell migration and cytoskeletal organization and signaling events associated with cell proliferation and apoptosis in intestinal epithelial cells. We utilize basic molecular and cellular biology techniques, which include Western blotting, *in vitro* kinase assays, etc. Experience with these types of techniques is preferred. Please send curriculum vitae and names of three references to: **Leonard R. Johnson, Ph.D., Chair, Department of Physiology, University of Tennessee Health Science Center, 894 Union Avenue, Memphis, TN 38163 U.S.A. E-mail: ljohn@physiol.utmen.edu.**

POSTDOCTORAL FELLOW: Postdoctoral Fellow in landscape ecology. We seek applicants for a two-year Fellow for research on spatial modeling of forest habitats and associated wildlife in the intermountain West. Ph.D. in forest or wildlife ecology or related disciplines required. Quantitative skills in spatial simulation/modeling and familiarity with S+ and ARC-related tools are a must. Salary is \$40,000 per year plus benefits. Review of applications begins 1 April 2002; starting date negotiable. Send curriculum vitae and names and addresses of three references to: **Thomas C. Edwards, Jr., Utah Cooperative Research Unit, Utah State University, Logan, UT 84322-5210. E-mail: tce@nr.usu.edu. Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIPS Genetic Epidemiology

Postdoctoral Fellowships in genetic epidemiology are available in the Department of Psychiatry at Washington University, St. Louis, Missouri. M.D. or Ph.D. candidates may have degrees in genetics, biostatistics, mathematics, psychology, or psychiatry. Participation in research groups conducting family and/or molecular studies of bipolar disorder, unipolar disorder, schizophrenia, attention deficit disorder, Alzheimer's disease, alcoholism, cocaine dependence, and nicotine dependence accompany a strong didactic program. Genetic linkage and disequilibrium studies are in progress. Methodological linkage and association projects are also underway. This is an NIMH institutional Postdoctoral Fellowship grant so only United States citizens and permanent residents may apply.

Please send a letter of application including research interest, transcripts, a copy of your curriculum vitae, and the names of three references to: **Theodore Reich, M.D., Washington University School of Medicine, Department of Psychiatry, 660 South Euclid Avenue, Campus Box 8134, St. Louis, MO 63110-1093.**

Washington University is an Equal Opportunity/Affirmative Action Employer.

PENN POSTDOCTORAL POSITIONS Hormone Receptor Signaling/Breast Cancer

Two positions are available in laboratory focused on the function of the prolactin receptor (PRLr) complex during the pathogenesis of breast cancer. Research areas include the action of the Tec/Vav complex, function and phosphorylation of the PRLr isoforms, and role of cyclophilin B in the intranuclear actions of prolactin. Molecular biology, cell culture, and/or rodent husbandry experience required. Cutting-edge methodologies employed by the laboratory include yeast two-hybrid, transcriptional array, and biosensor analysis; proteomics/mass spectroscopy; and xenograft models of breast cancer. Recent graduates with U.S. citizenship or permanent residence are encouraged to apply. Please send curriculum vitae, a statement of research interests, and three references to: **Dr. Charles Clevenger, Department of Pathology and Laboratory Medicine, University of Pennsylvania, 513 Stellar-Chance Laboratories, 422 Curie Boulevard, Philadelphia, PA 19104. FAX: 215-573-8944; e-mail: clevegc@mail.med.upenn.edu. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION available immediately to investigate pathways and cellular mechanisms underlying basal ganglia function. Using an animal model of early Parkinson's disease, studies include the chemical, molecular, anatomical, and behavioral consequences to a partial dopamine lesion. These experiments focus on changes in gene regulation of transmitters, receptors, and transporters; axonal sprouting; and glial response in specific pathways. Candidates should have experience in basic anatomical applications and image analysis. Send a summary of research interests, curriculum vitae, and names of three references to: **Dr. Suzanne Haber, Department of Neurobiology and Anatomy, Box 603, University of Rochester, Rochester, NY 14642. E-mail: suzanne_haber@urmc.rochester.edu. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL FELLOW/ RESEARCH SCIENTIST Bacterial Pathogenesis University of Washington

Positions available to study oxidative/nitrosative stress, innate immunity, and related aspects of *Salmonella* pathogenesis. Ph.D. or equivalent required. Experience in immunology or biochemistry desirable. Send cover letter, curriculum vitae, and names of three references to: **Dr. Ferric C. Fang, University of Washington School of Medicine, Box 357242, Seattle, WA 98195-7242. FAX: 206-616-1575; e-mail: fcfang@u.washington.edu. Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

The Swiss Cardiovascular Research and Training Network is pleased to offer several **FELLOWSHIPS** for **GRADUATE STUDENTS** and for **POSTDOCTORAL FELLOWS** early in their careers. The network offers an excellent graduate and postgraduate training program in cardiovascular biology as well as possibilities for scientific exchange with all participating laboratories and Universities in Bern, Zurich, Geneva, and Lausanne. The Fellowships are awarded for a duration of two to three years. Salaries are granted according to the guidelines of the Swiss National Science Foundation. For additional information, please visit our website: <http://www.swissheartnet.ch> or e-mail: info@swissheartnet.ch. Applications for specific Fellowships should be mailed with curriculum vitae and list of three references to: **The Swiss Cardiovascular Research and Training Network, University of Bern, Department of Physiology, Buehlplatz 5, 3012 Bern, Switzerland.**

An NIH-funded **POSTDOCTORAL FELLOWSHIP** is available immediately to study the molecular mechanisms of neuronal cell death in Purkinje cells in the Lurcher (Grid2^{+/L}) mutant. Applicants with relevant experience in molecular biology, immunohistochemistry, and cell culture techniques are particularly sought. Interested individuals should submit their curriculum vitae and the names and address of three references to: **Michael W. Vogel, Maryland Psychiatric Research Center, Baltimore, P.O. Box 21247, Baltimore, MD 21228. The University of Maryland, Baltimore, is an Equal Opportunity/Affirmative Action Employer.**

Saint Louis University, a Catholic, Jesuit Institution dedicated to education, research and health care, is seeking applicants for a **POSTDOCTORAL POSITION** available in the medical biochemistry laboratory of the Department of Internal Medicine at Saint Louis University School of Medicine. The successful candidate will study the biochemistry of the feeding processes of malaria parasites including the effects of antimalarial drugs on the vesicular uptake and processing of hemoglobin. Applicants should have recently earned a Ph.D. in biochemistry, microbiology, cell biology, or related field. E-mail curriculum vitae and three references to: **Coy D. Fitch, M.D.; e-mail: fitchcd@slu.edu. Saint Louis University is a Affirmative Action/Equal Opportunity Employer and encourages nominations of and applications of women and minorities.**

POSTDOCTORAL FELLOW to work in the cellular neuroscience program at McLean Hospital, Belmont, Massachusetts, doing *in vitro* electrophysiological studies of amygdala cortical connections in rat brain as part of a multidisciplinary program of research related to schizophrenia and bipolar disorder. McLean Hospital is a teaching hospital of the Harvard Medical School system. Contact: **Francine M. Benes, M.D., Ph.D.; e-mail: benesf@mclean.harvard.edu; FAX: 617-855-3199; website: <http://www.benesville.mclean.org:8080>.**

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GLOBAL OPPORTUNITIES

POSTDOCTORAL POSITION

Applications are invited for a position to study the role of tyrosine phosphatases in lymphocyte regulation. Experience in molecular and cellular biology is required. This position is effective upon approval by the JSPS (website: http://www.jsps.go.jp/e-fellow/fellow_pd.html). The two-year tenure will start after September 1, 2002. Please submit curriculum vitae and names of three references to: **Dr. Hidetaka Yakura, Tokyo Metropolitan Institute for Neuroscience, Fuchu, Tokyo 183-8526. E-mail: yakura@tmin.ac.jp; website: <http://www.tmin.ac.jp/dept/immunology/index-e.htm>.**

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