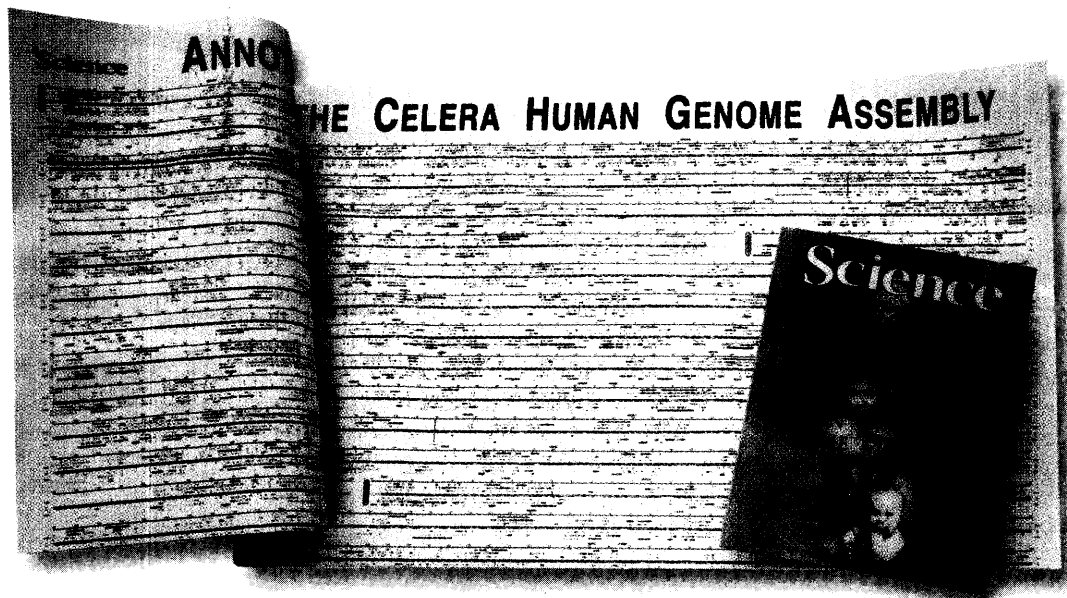


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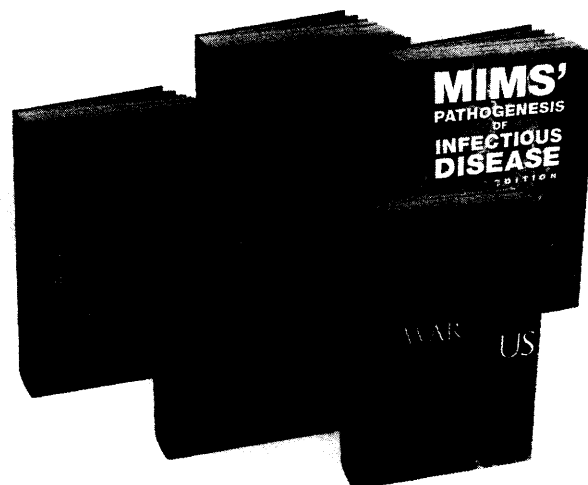
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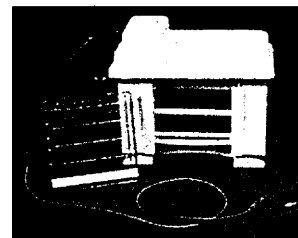
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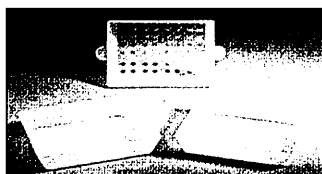
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Post-doctoral Research Associate Position in Molecular Biology

The candidate will undertake research, in a group working on human viruses, on a biotechnology programme dealing with viral gene expression supported by the European Union. A strong background in molecular biology is required. The position is available immediately for 18 months. **Ref. JJT01/01**

For these positions good knowledge of English is absolutely required. Knowledge of French would be an advantage but is not mandatory.

Applicants should send a CV, a short summary of past and current interest (and a description of future project for the Project Leader Position) as well as the names of 3 referees before July 6, 2001 to:

Dr. Jean-Jacques Toulmé, IECB, ENSCPB
16, Avenue Pey-Berland
33607 Pessac Cedex, France.

E-mail: jean-jacques.toulme@bordeaux.inserm.fr
<http://www.iecb-polytechnique.u-bordeaux.fr>

The bioMérieux - Pierre Fabre group employs 11,500 people worldwide, including 1,500 in European and US R&D facilities. Last year, it dedicated EUR 260 million to R&D. It aims at becoming an international innovating company with a global commitment to healthcare.

As a major in-vitro diagnostics company focusing on infectious diseases, bioMérieux develops, manufactures and markets reagents and automated systems designed for medical analysis and product quality control in the agri-food, cosmetics and pharmaceutical industries. bioMérieux has a well established program for developing a DNA chip-based integrated platform which will provide new and high performance tools for research and diagnostic laboratories, in the fields of infectious disease diagnostics and industrial microbiological controls. The program is based in Lyon (France), in a state-of-the-art research facility with 50 multi-disciplinary scientists (molecular biologists, biochemists, bioinformaticians, engineers).

In partnership with the European Commission, we invite applications for 3 two-year research post-doctoral positions, funded under the Marie Curie Industry Host Fellowship (Quality of Life Programme), starting during the second quarter of 2001.

1. Marie Curie Post-doctorate Opportunities in Nucleic Acid chemistry réf. NAC

The successful candidate will participate in developing and testing new technologies for generic and functionalisation of nucleic acids, necessary for hybridisation detection on DNA chip and other solid supports. The applicant should have a PhD in organic chemistry or biochemistry and relevant laboratory experience in the field of nucleic acid chemistry.

2. Marie Curie Post-doctorate Opportunities in Bioinformatics réf. BIOINF

The fellow will participate in the data-mining of our high-density chips hybridisation data, with the goal of :
designing probe hybridisation models useful for chip design
exploring machine-learning techniques for interpretation of chip hybridisations
The successful candidate will work within the bioMérieux biomathematics team.

Applicants should have a PhD in multivariate analysis and interest in machine learning, or vice versa. Application of neural networks and/or graphical models and/or HMM learning to real-life problems is required. Experience with SAS is an advantage.

For both positions, strong commitment to team work is a must. Fluency in English and/or French is highly desirable.

3. Marie Curie Post-doctorate Opportunities in Industry réf. IND

The Chemistry of Supports Laboratory, bioMérieux, Lyon, France invites applications for a post-doctoral position, funded under the European Commission's Marie Curie Industry Host Fellowship Scheme (Quality of Life Programme).

The successful candidate will hold a PhD degree in either Chemistry or Biochemistry and will undertake a research project related to our current interest in the rapid detection of micro-organisms from food and environmental matrices using solid-phase separation techniques. Applicants should have a background in solid-phase/surface chemistry (coupling chemistry, physico-chemical methods of characterisation, interfacial phenomena, biosensors) and should be capable of combining his/her background with both molecular and microbiology topics. We are seeking outstanding individuals interested in working in a multi-disciplinary environment, who possess excellent communication and creative skills which will foster an innovative environment. Fluency in English and/or French is highly desirable. The appointment is a 12 months fixed term contract starting in October 2001.

For all positions, appointments are subject to the terms of the Marie Curie Industry Host Fellowship Programme and are open to EU (but non-French) nationals only. For more information consult the Marie Curie website at : www.cordis.lu/improving.

Applications should include a C.V., list of publications and letters of reference which should be sent to
for ref. NAC and BIOINF : Chantal Kantjas, bioMérieux, Chemin de l'Orme - 69280 Marcy l'Etoile (F). e-mail: chantal.kantjas@eu.biomerieux.com
for ref IND: Michèle Storrs-Mabilat, bioMérieux, Chemin de l'Orme - 69280 Marcy l'Etoile (F). e-mail: michele.storrs-mabilat@eu.biomerieux.com



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National University of Ireland, Galway
Ollscoil na hÉireann, Gaillimh

Applications are invited for the following post of:

Professorship of Biomedical Engineering Science

This post is attached to the Biomedical Engineering Science Research Centre. This Centre was established on the campus of the University in 1999 following the award of a grant of IRE15.4m from the national Programme for Research in Third-Level Institutions. The aim is to harness the University's research skills in Science, Engineering and Medicine, to address, through multidisciplinary strategies, fundamental research issues in Biotechnology, basic Biology and Medicine.

The primary function of the holder is to provide dynamic leadership for the research programme of the Centre, to pursue an energetic research programme, and to contribute to the educational mission of the Centre and of the University.

Website: www.nuigalway.ie/ncbes

Closing date for receipt of applications is Friday, 29th June, 2001.

Further information may be obtained from the **Personnel Office, NUI, Galway.**

Candidates should submit seven copies of their Curriculum Vitae with the names and addresses of at least three and not more than five referees to:

*The Personnel Office, National University of Ireland, Galway, Ireland.
Tel: +353-91-512069; Fax +353-91-750523; Email: personnel@mis.nuigalway.ie
Website: <http://www.mis.nuigalway.ie/Personnel>*

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(STAFF) SCIENTIST – OCEAN CARBON CYCLE SCIENCE

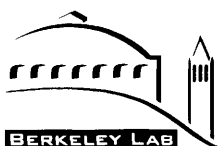
The Earth Sciences Division at Lawrence Berkeley National Laboratory has one or more career opportunities in global ocean carbon cycle research. The successful candidate(s) appointed at Scientist and/or Staff Scientist levels will perform research relevant to the scientific assessment of purposeful ocean carbon sequestration strategies for the management of atmospheric CO₂. The candidate(s) must have demonstrated expertise in the observation and understanding of key biogeochemical processes governing the dynamics and fluxes of particulate and dissolved organic and inorganic carbon species in the oceanic watercolumn.

One position requires field-oriented experience with dedicated focus on development of operational autonomous sensors for carbon system components (or related species) and ecosystem function. Such sensors will be used on new profiling float and glider observing systems.

The second position requires a strong record of publications and supported research in global ocean carbon cycle science. A formidable background in observations and data analysis is essential.

These career positions are partially supported by the Department of Energy Center for Research on Ocean Carbon Sequestration. The Berkeley Lab is located in the hills above the University of California at Berkeley campus, overlooking the San Francisco Bay.

Go to <http://www-esd.lbl.gov/> for more details about Berkeley Lab's Earth Sciences Division or learn more about our Ocean Biogeochemical Processes Group by going directly to <http://flameglo.lbl.gov/>. You can apply on-line at <http://cjo.lbl.gov>, refer to Req. 013567, or e-mail your resume or CV (plain text, no attachments) to employment@lbl.gov, fax to 510/486-5870 or mail to Berkeley Lab Staffing Office, One Cyclotron Road, MS 937-0600, Berkeley, CA 94720. Please reference source code ES/013567/JS in your cover letter and resume. Berkeley Lab is an AA/EEO employer committed to a diverse workforce.



University of Michigan Ann Arbor Chair Department of Ecology and Evolutionary Biology

We invite applications for the Chair of the newly formed Department of Ecology and Evolutionary Biology at the University of Michigan. The broad mission of this new Department, a unit within the College of Literature, Science, and the Arts (LS&A), is to engage in research and teaching that addresses the origin, diversity, and complex interactions of Earth's biota.

We seek an individual with a distinguished research record, and a broad vision of the intellectual future of ecology and evolutionary biology. The Chair will play a central role in forging and promoting interactions with other units having related missions at the University and nationally. The new Department enjoys the strong support of the University administration, and we anticipate significant growth under the leadership of the new Chair.

The Department currently comprises 28 faculty members in the fields of population, community and ecosystems ecology, evolutionary biology, behavior, systematics, and paleontology, and includes faculty with joint appointments in the Museum of Zoology, University Herbarium, Museum of Paleontology, School of Public Health, and the Department of Molecular, Cellular and Developmental Biology (MCDB). Consistently ranked in the top ten ecology and evolutionary biology departments nationwide, the Department attracts excellent graduate students, currently numbering around ninety. The Department offers a strong undergraduate concentration program in Biology conducted jointly with MCDB, and participates in an interdisciplinary undergraduate program in Environmental Sciences/Studies.

The University has just created and committed considerable resources to a new Life Sciences Institute, enhancing the prominent place of the life sciences on campus. The Department of Ecology and Evolutionary Biology already benefits from interactions with the University's School of Natural Resources and Environment, the School of Public Health, and the Medical School. Within the College of LS&A there is substantial engagement with MCDB and the Departments of Geological Sciences, Chemistry, Anthropology, and the University Botanical Gardens and off-campus Biological Station. Other units with which the new Department currently interacts include the Center for the Study of Complex Systems and the International Institute.

Please submit a letter of application with a curriculum vitae to: **Prof. Henry N. Pollack, EEB Search Committee, Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor, Michigan 48109-1048, USA.**

Initial inquiries will be held in confidence at the applicant's request. To be assured of full consideration, applications should be received by September 15, 2001. For more information about the Department please visit our website at <http://www.eeb.lsa.umich.edu>.

The University of Michigan is an affirmative action/ equal opportunity employer. Women and minorities are encouraged to apply.

Ranbaxy, India's largest pharmaceutical company, manufactures and markets branded generic pharmaceuticals, bulk substances and intermediates. The Company has business operations in over 24 countries and manufacturing operations in 6 countries. It has an expanding international portfolio of affiliates, joint ventures and alliances.

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*To further enhance our research productivity, we require the following scientific professionals in the area of **Drug Discovery Research** to be based at our Research Centre at Gurgaon near Delhi, India:*

DIRECTOR – MEDICINAL CHEMISTRY

The candidate will lead a team of 40-50 scientists responsible for drug design and synthesis of target NCEs (New Chemical Entities). The responsibilities will also include analysis of biological activity data to arrive at structure-activity relationships. The position also requires an ability to interact effectively with other Scientists involved in the drug discovery multi-disciplinary team, execute target plans, and communicate effectively.

The candidates should have a Ph.D. (Medicinal / Organic Chemistry) with 10 to 15 years of relevant experience and exposure to other drug-development-related disciplines, such as molecular modelling and Pharmacokinetics. This position will report to VP – Drug Discovery Research.

DIRECTOR – MOLECULAR BIOLOGY

The candidate should possess scientific expertise and contribute to a multi-disciplinary team aimed at drug discovery and development. The candidate should have hands-on experience in cloning, with special emphasis on developing stable mammalian cell-lines for ligand binding assays. Experience in expression and purification of recombinant proteins in prokaryotic and eukaryotic hosts will be desirable. The candidate is expected to guide a team of Scientists and to interact with various other groups involved in drug development and application of recombinant proteins in health and disease.

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VICE PRESIDENT – DRUG DISCOVERY RESEARCH

The candidate will play a key role in managing drug discovery research and providing 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 assist in 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 scientific experts, 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 for expanding existing facilities. Prioritising of resources will be essential and this will call for a high degree of scientific capability, lined to management skill. He/she will also be required to establish and monitor collaborative research programs, 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 and 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 Head of R&D.

The incumbent should be a Ph.D. in Biochemistry or Molecular Biology, with 8-10 years of relevant experience, preferably in the pharmaceutical industry. This position will report to VP – Drug Discovery Research.

SCIENTISTS – DRUG DISCOVERY RESEARCH

We are looking for young Scientists for drug discovery research in the field of Medicinal Chemistry, Molecular Biology, Bioinformatics, Pharmacology, Toxicology and Drug Metabolism. Candidates should have working experience in a drug discovery research team pertaining to therapeutic areas, such as cardiovascular, cancer, urology and CNS disorders. The candidates must possess an M.S. or a Ph.D., with 2-5 years of working experience in their respective fields.

The above positions offer excellent opportunities for career growth. The Remuneration package will match the best in the industry. Please apply within 15 days, superscribing the envelope with the position applied for, to:

RANBAXY LABORATORIES LIMITED

General Manager - Human Resources
Ranbaxy Laboratories Limited

#20, Sector 18, Gurgaon 122 001 (Haryana), India.
Fax: 91-124-6342017/6342030.
e-mail: udbhavg@ranbaxy.co.in
Visit our Website at: <http://www.ranbaxy.com>



**ROBERT C. BYRD
HEALTH SCIENCES CENTER**
OF WEST VIRGINIA UNIVERSITY

**Assistant Vice President for Research
and
Graduate Studies**

**Robert C. Byrd Health Sciences Center
West Virginia University**

And

**Associate Dean for Research
and
Graduate Studies
School of Medicine**

West Virginia University (WVU) invites applications and nominations for the full-time position of Associate Dean for Research in the School of Medicine and Assistant Vice President in the Robert C. Byrd Health Sciences Center. WVU is embarking on a program of dynamic growth, expansion and investment in research. This new position reports to the Vice President for the Health Sciences Center (HSC)/Dean, School of Medicine and to the Associate Provost for Research/President, WVU Research Corporation. The overall responsibilities for this position are to promote research within the Health Sciences Center and to facilitate interdisciplinary research within the HSC and between the HSC and other units of West Virginia University that lead to continued growth of competitively funded research and scholarly programs in the Health Sciences. The person in this position will be expected to:

- Develop and implement a dynamic research agenda for the HSC and School of Medicine
- Promote interdisciplinary, cross-campus and intra-university research programs
- Develop and establish economic partnerships with public and private enterprise
- Establish liaisons and develop productive relationships with government and private funding agencies
- Expand and invigorate the graduate research program

Qualifications: Earned Ph.D. or M.D. in a relevant area of science or medicine with a demonstrated record of scholarly accomplishments and funded research. The candidate must have received funding from federal agencies, particularly the NIH, should be currently or recently funded, and be a nationally recognized leader in research. Additionally, this person must be energetic and possess effective interpersonal skills that will enable him/her to work with the faculty from diverse disciplines. Administrative experience is highly desirable.

Send nominations or an application, consisting of a curriculum vitae and letter of intent to: **Bonita Stanton, M.D., Chair, Search Committee, West Virginia University Health Sciences Center, PO Box 9000, Morgantown, West Virginia 26506-9000 or bstanton@hsc.wvu.edu.**

The review of candidates will begin August 1, 2001.

West Virginia University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women and members of minority groups.

**FACULTY POSITIONS IN VIROLOGY AND
IMMUNOLOGY**

Texas Tech University Health Sciences Center

ASSISTANT AND ASSOCIATE PROFESSOR TENURE TRACK POSITIONS. The Department of Microbiology and Immunology is seeking candidates for **multiple** faculty positions at the level of ASSISTANT and/or ASSOCIATE PROFESSOR. The department is especially interested in candidates with research in the area of the biology or pathogenesis of animal or human viruses and in the area of immunology. Particular areas of interest include **AIDS, CANCER, EMERGING INFECTIOUS DISEASES, AND MATERNAL-FETAL MEDICINE.** Groups of investigators with programmatic themes are encouraged to apply. Individuals with a Ph.D., M.D., and/or D.V.M. degrees, postdoctoral experience, and a strong record of research accomplishments will be considered. Applicants at the Associate Professor level are expected to have an established extramurally funded research program. New faculty will be expected to establish vigorous research programs supported by extramural sources and participate in the teaching of medical and graduate students. The department is beginning a major faculty expansion to complement existing strength in bacterial and fungal biology and pathogenesis. The departmental expansion will include additional new laboratories and major equipment acquisition. **Substantial start-up funds** will be available to new faculty.

The Health Sciences Center is part of the Texas Tech University System, the only university system in the state with a comprehensive academic campus, law school and medical center on the same campus. Texas Tech is the largest research university system in West Texas, a Carnegie I institution providing education and support to approximately 25,000 students. This represents a unique opportunity to live in a college campus environment where the cost of living is affordable and opportunities abound.

Submit curriculum vitae, a description of research accomplishments and a list of at least three individuals for contact to provide letters of reference to be sent by August 15, 2001 to **Dr. Ronald C. Kennedy, Professor and Chairman, Department of Microbiology and Immunology, Texas Tech University Health Sciences Center, 3601 4th Street, Lubbock, Texas 79430-6591.**

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Nature Structural Biology is a prestigious international monthly journal covering all aspects of research pertaining to biomolecular form and function. We have an exciting opportunity available for a scientist eager to enter the editorial world. *Nature Structural Biology* needs an Assistant Editor to help develop the journal. The successful candidate will work full time in our New York City office and participate in all aspects of the editorial process, including manuscript selection and editing, commissioning and editing News & Views and Reviews, and writing for the journal. The job also involves attending scientific meetings and forging links with the international scientific community. The new editor will join our small team of editors within the larger publishing group that also produces *Nature Genetics*, *Nature Medicine*, *Nature Biotechnology*, *Nature Neuroscience* and *Nature Immunology*. The successful applicant will also enjoy a close working relationship with the London-based *Nature*, *Nature Cell Biology*, and *Nature Reviews* teams.

Applicants should have an intense curiosity about science and a broad understanding of the field, and should have a Ph.D. and preferably post-doctoral experience with a strong research background in molecular biology, biochemistry or structural biology. The ideal candidate will also have excellent literary skills and an enthusiasm for, and commitment to, the communication of science.

Please submit a curriculum vitae, a short (500-1000 words) News and Views-style article on an exciting and newsworthy recent development in a relevant scientific area, and a cover letter explaining your interest in the position to The Editor, *Nature Structural Biology*, 345 Park Avenue South, New York, NY 10010 (fax: 212-679-0735; e-mail: nsb@natureny.com). Applications should arrive as soon as possible, and **no later than June 29, 2001.**



**Postdoctoral Training Grant
Positions
NIH-Funded Training Grant in
Rheumatic Diseases
Rochester, Minnesota, U.S.A.**

Two opportunities exist to study rheumatic diseases under a NIH-funded training grant. Candidates with a M.D. or Ph.D. may apply. American citizenship or permanent residency required. The faculty and research areas include:

Jörg J. Goronzy, MD - T Cell Homeostasis, Costimulation and Immunosenescence

Mark E. Bolander, MD - Molecular Bone Physiology

Chella S. David, PhD - Animal Models of Arthritis

Sherine E. Gabriel, MD - Clinical Epidemiology

Paul J. Leibson, MD, PhD - NK Cells/Signal Transduction

Harvinder S. Luthra, MD - Animal Models of Arthritis

Shawn W. O'Driscoll, MD, PhD - Cartilage Repair

William M. O'Fallon, PhD - Clinical Epidemiology

Jeffrey L. Platt, MD - Tolerance Induction/Immune Reconstitution

Ann M. Reed, MD - Juvenile Myositis-Molecular Genetics & Microchimerisms

Stephen J. Russell, MD, PhD - Gene Therapy/Vector Targeting

Daniel J. Schaid, PhD - Genetic Epidemiology

Robert D. Simari, MD - Gene Therapy in Vascular Diseases

Abbe N. Vallejo, PhD - Regulation of CD28 Expression

Cornelia M. Weyand, MD - Vascular Inflammation, Genetic Control of Rheumatoid Arthritis

For more information, visit the Mayo Clinic Research website at <http://www.mayo.edu/research>. Salary will be determined by the successful candidate's experience. There is an attractive benefit package. Mayo Clinic Rochester is a non-profit, physician led, clinical practice integrated with education and research in a unified multi-campus system.

Application, including Curriculum Vitae and Bibliography, summary of past accomplishments, and the names of three references, should be sent to:

Jörg J. Goronzy, M.D.
**Departments of Immunology and
Medicine**
Mayo Clinic, 200 First Street SW,
Rochester, MN 55905
e-mail: goronzy.jorg@mayo.edu

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Laboratory Head, Drug Metabolism

Who we are

F. Hoffmann-La Roche Ltd is one of the world's leading pharmaceutical companies, with an established reputation for discovering innovative medicines for unmet medical needs. As part of Pharmaceutical Research, based in Basel, Switzerland, the mission of the Discovery-DMPK group is to help identify suitable drug candidates for clinical development. Its responsibilities include supporting the different drug-discovery groups in their efforts to find new drug candidates and ensuring optimal transition of compounds into preclinical and clinical development.

The position

As an integral part of the discovery process, you will plan, conduct, evaluate and report both in-vitro and in-vivo animal and in-vitro human metabolic and pharmacokinetic studies relevant to the selection of drug substances for further development. You will present your findings in both project-team and strategic meetings and document them in internal and external reports and/or publications in peer-reviewed journals. You will also be expected to help in the training of scientific staff in your area of expertise.

Who you are

You have a PhD in chemistry or pharmaceutical science, with a strong background in drug metabolism and a good knowledge of pharmacokinetics. Industrial experience in the metabolism and pharmacokinetic fields is also required. You are very flexible and have the ability to integrate staff from various disciplines into a cohesive project team. You are fluent in English and, ideally, have a good command of German or French.

Who to contact

If you are interested in this challenging position, please send your application and full supporting documentation to: F. Hoffmann-La Roche Ltd, Mr Ralph Gysin, PSPB, Building 52/210, P.O. Box, CH-4070 Basel, quoting reference: Gr4355. For further information, please call Dr Philippe Coassolo on 0041-61-688 5160 (e-mail: philippe.coassolo@roche.com).



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The Department of Cell Biology and Anatomy and the Cancer Biology Research Group invite applications for two full-time academic positions at the Assistant Professor level or higher in the field of high resolution structural cell biology. These positions offer excellent opportunities to develop an independent research program within a multidisciplinary environment (<http://www.cell.ucalgary.ca/>) in the rapidly growing Faculty of Medicine which is in the process of building a major new research facility. While duties include some teaching and graduate student supervision, 75% of time will be protected for research. Many core facilities are available; of importance for these positions is a new 200 kV field emission, cryo, energy filtering transmission electron microscope, and an "environmental" and analytical scanning electron microscope. Preference will be given to applicants whose research could capitalize on these instruments. Calgary is a vibrant, multicultural city (pop. ~850,000) located close to Banff National Park and the Rocky Mountains.

Qualifications include a PhD and/or MD or equivalent, and a proven record of excellence in research. Salary support and start-up funds are available through successful application to the Alberta Heritage Foundation for Medical Research and/or the Canadian Institutes of Health Research.

Please submit a curriculum vitae, a statement of research interests, and arrange to have three letters of reference sent directly, by **July 31, 2001** to:

Dr. John D. Reynolds

Head, Department of Cell Biology and Anatomy
University of Calgary, 3330 Hospital Dr. N.W.
Calgary, Alberta, Canada T2N 4N1

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of Calgary respects, appreciates and encourages diversity.

www.ucalgary.ca



THE CHINESE UNIVERSITY OF HONG KONG

Applications are invited for:-

Department of Surgery

Scientific Officer/Postdoctoral Fellow/Research Associate (2 vacancies)

(Ref. SO/2/PF/3/RASO/6/1/501)

Applicants for the post of Scientific Officer should have a PhD degree plus 4 to 5 years' postdoctoral experience. Applicants for the post of Postdoctoral Fellow should be fresh doctorates or within 3 years from obtaining their PhDs. Those who have a Master's degree plus 5 years' post-qualification experience in transgenic mouse model will be considered for the post of Research Associate. The appointee will study the pathogenesis of human diseases by using transgenic mouse model. Excellent modern facilities are available. Applicants should have experience in: (a) one or more of the following areas: embryonic stem cell culture, pronuclear/blastocyst microinjection and mouse embryo transfer (experience in study using animal models will be an advantage); OR (b) differential gene expression, subtractive hybridization or other relevant molecular techniques. Appointees are expected to assume duty as soon as possible. Appointment will initially be made on a 2-year contract, renewable subject to mutual agreement.

Monthly Salary and Fringe Benefits

Scientific Officer: not less than HK\$28,075; Postdoctoral Fellow: not less than HK\$28,655; Research Associate: not less than HK\$20,185 (approximate exchange rate: US\$1=HK\$7.78, £1=HK\$11.18). Starting salary and grade will be commensurate with qualifications and experience. Benefits include annual leave and out-patient medical care. From the second year of employment onwards, dental and hospital care will be offered. A contract-end gratuity and/or University contribution to retirement schemes (totalling up to 15% of basic salary) will also be provided.

Application Procedure

Application forms are obtainable from our WWW <http://www.cuhk.edu.hk/personnel>. Alternatively, applicants may send full resume, with names and addresses of referees to the Personnel Office, University Administration Building, The Chinese University of Hong Kong, Shatin, New Territories, Hong Kong, or by fax to (852) 2603 6852. Applications, together with copies of qualifications, should be forwarded to the Personnel Office on or before **29 June 2001**. Please quote the appropriate reference number and mark 'Application - Confidential' on cover. The Personal Information Collection Statements will be provided upon request.

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Tenure Track Investigator

The Intramural Research Program of the National Institute on Aging, Baltimore, Maryland, is recruiting a tenure track investigator for the Laboratory of Molecular Gerontology (LMG). The individual is expected to develop an independent research program with a basis in DNA repair and related processes. Applicants must have a strong record of scientific accomplishments including publication record, excellence in laboratory research, and independent research. Current research in the Laboratory is focused on DNA repair in human premature aging syndromes, somatic hypermutation, oxidative DNA damage processing, helicase functions and gene targeting.

Applicants should send a curriculum vitae, three letters of reference, and a statement of research interests to: Chair, LMG Tenure Track Search Committee, c/o Pat Boyce, HR Staff Office, National Institute on Aging, NIH, Box 26, 5600 Nathan Shock Dr., Baltimore, MD 21224-6825, Attn: VA#NIA-01-004. For further information E-mail Dr. V. Bohr, Chief, LMG at vbohr@nih.gov.

Applications must be postmarked by
July 23, 2001

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We offer a competitive starting salary, a comprehensive benefits package that includes 401(k), and a friendly work environment. Candidates should submit a letter of application and curriculum vitae along with three references to: Human Resources, Alfa Wassermann, Inc. 4 Henderson Drive, West Caldwell, NJ 07006. Fax 973-882-3093 or email to ctomko@alfawassermannus.com

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Senior Research Scientist/Principal Research Scientist

Biotechnology - DNA Sequencing

The selected candidate will lead a DNA sequencing core laboratory and have responsibility for the operation of various automated fluorescent DNA sequencing machines. Responsibilities will include providing timely high quality sequence data to all areas of Research and Development, with a special emphasis on supporting ongoing clinical trials. Aspects of the job include troubleshooting sequencing problems, investigating new sequencing technologies, enhancing capabilities of the core lab, and analyzing DNA sequence data. The individual will have close interactions with the bioinformatics group for data processing and analysis. The candidate will have demonstrated expertise in fluorescence-based DNA sequencing, and will also have experience in the following areas: molecular biology, sequence analysis and sequence editing and assembly. Previous management experience, good communication (oral and written) and interpersonal skills are required to effectively perform this job. A Ph.D in Biochemistry/Molecular Biology or a related field with 3+ years of work experience is required. Code: **65HS/SCM/AMS**

Senior Research Scientist/Principal Research Scientist

Virology - Functional Genomics

A scientist is sought with broad experience in virology and cell biology with an interest in developing and applying viral-mediated expression technologies to advance our drug discovery capabilities. Responsibilities will include generation and characterization of viral expression vectors, especially baculovirus, with the goals of evaluating biological function of specific gene products and expression of proteins for assay development and purification. The ability to envision and develop viral based expression approaches in novel, information-rich ways is highly desirable. The successful candidate will be capable of interacting with a wide range of scientists in a team oriented environment and will have excellent communication skills. Familiarity with protein chemistry and molecular biology is a plus. A Ph.D. degree in Virology or related field with 3+ years of work experience is required. Code: **64HS/SCM/AMS**

Staff Scientist

Virology-Functional Genomics

A scientist with a strong background in eukaryotic virology is sought to carry out viral-mediated expression of recombinant proteins. The initial responsibilities of this position will include expression of proteins using baculovirus and insect cell expression systems. It is anticipated that the position's responsibilities will broaden to include expression of proteins using mammalian virus expression systems. The expressed proteins will be used in drug screening, structural studies (x-ray, NMR), selectivity testing and other critical functions. In addition to having experience in virology, the successful candidate will be able to carry out routine biochemical and molecular techniques. This position requires intensive interaction with colleagues in the Therapeutic Divisions and in other Departments within ABT (Molecular Biology, Protein Chemistry). Accordingly, it is imperative that the candidate have strong communication and teamwork skills. The candidate should have a BS/MS degree with at least 2 years experience in eukaryotic virology and cell biology. Code: **67HS/SCM/AMS**

Staff Scientist

Molecular Biologist/Gene Expression

The successful candidate will join a group of scientists using RNA expression profiling technologies for target discovery/validation, lead optimization and toxicology studies. The group supports programs throughout the Research and Development organization with real-time PCR and global RNA expression profiling technologies including cDNA and oligonucleotide-based microarrays. The candidate should have a BS/MS degree with at least 3 years of experience and a broad based knowledge of molecular biology procedures including work with RNA. Prior experience with quantitative PCR and/or DNA microarrays is desirable. Code: **66HS/SCM/AMS**

Staff Scientist

Biotechnology - Functional Genomics

A scientist is sought to join a group developing and applying technologies for therapeutic target validation, using advanced molecular biology techniques and cell-based assays to carry out functional analysis. Good communication skills and the ability to work in a highly interactive environment are essential. Candidates should have a BS/MS degree with at least 2 years experience and a broad based knowledge of molecular biology procedures. Experience with cell-based assays, cDNA library construction, protein expression in mammalian cell cultures, or yeast genetics would be a plus. Code: **63HS/SCM/AMS**

Our commitment to our employees includes an excellent salary and a comprehensive benefits package. To apply, please forward your resume to: DuPont Pharmaceuticals Company, P.O. Box 549262, Suite 278, Waltham, MA 02453 or via E-mail: DuPontpharma@hiresystems.com. To be considered for an open position, please include the appropriate Job Code. EOE.



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Curtin

UNIVERSITY OF TECHNOLOGY

Professor in Marine Acoustics

(Full-time – 3 years) Ref 3528

Associate Professor in Hydrodynamics

(Full-time – 3 years) Ref 3527

Centre for Marine Science and Technology

Founded in 1985, the Curtin University Centre for Marine Science and Technology (CMST) comprises a multi-skilled body of scientists and engineers committed to the development of technical ocean-related skills in Australia. Curtin is located in Western Australia's picturesque capital city of Perth.

The Professor in Marine Acoustics position is intended to have a research and development emphasis allied with CMST's existing marine acoustics activities which include marine bio-acoustics, fisheries acoustics, low-frequency propagation studies, array processing, and acoustic instrumentation development.

The Associate Professor in Hydrodynamics position is also intended to have a research and development emphasis but allied with CMST's existing hydrodynamics activities which include numerical, model and field studies of the dynamics of surface and sub-surface vessels and ocean wave analysis.

Applicants for both positions should possess a relevant doctoral degree and have a proven track record in leading and obtaining funding for research and development programs.

Contact: further information can be obtained from Professor John Penrose, telephone +618 9266 7380, facsimile +618 9266 4799, Email J.Penrose@cmst.curtin.edu.au

Applications must address the selection criteria, quote the position reference number and include the names, addresses, telephone and facsimile numbers of three referees. **Selection criteria:** available on our Web at recruit.curtin.edu.au

Benefits: salary range Professor AU\$99,070, Associate Professor AU\$76,910–\$82,122 pa. The total employment cost, including superannuation (UniSuper) is available for repackaging through the University's remuneration packaging service. Conditions for appointees include airfares and removal assistance.

Submit applications: Divisional Administrator, Division of Engineering and Science, Curtin University of Technology, GPO Box U1987, Perth, Western Australia, 6845. Telephone +618 9266 2603, facsimile +618 9266 2602.

Closing date: 6 July 2001. Curtin reserves the right to appoint by invitation.

Curtin is an Equal Opportunity Employer and provides a smoke-free work environment.



MRC Laboratory of Molecular Biology Postdoctoral Scientist

Applications are invited for a postdoctoral research scientist to join a team working on the development of novel technologies for applications in genomics and protein engineering. We have recently developed a novel selection system based on genetic self-replication within a compartmentalized system (Proc. Natl. Acad. Sci. USA (2001), 98, 4552-4557). The appointee will work with others in the team in the further development of the technology and its application to new targets.

The applicant should hold a Ph.D. or equivalent degree with training and experience in recombinant DNA techniques.

The appointment will be for two years initially with a possible one-year extension on MRC salary band 4. The starting salary will be between £20,000 - £24,000 per annum depending on qualifications and experience.

Applications should include a full CV and the names and addresses of two professional referees who can be contacted prior to interview. Please quote job reference PNAC/501/22 and send either by e-mail to: recruit@mrc-lmb.cam.ac.uk, or post to Kelly Andrews, Personnel Assistant, MRC Centre, Hills Road, Cambridge, CB2 2QH, UK.

Further information can be found at:

<http://www2.mrc-lmb.cam.ac.uk/groups/ph1/Home.html>

Closing date: 6th July 2001.

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nature immunology

seeks an **ASSISTANT EDITOR**

Bored with the bench, but thrilled with the science? After our successful launch in July 2000, we at *Nature Immunology* are expanding our staff and offer an exciting opportunity to an immunologist interested in entering the editorial world. *Nature Immunology* needs an Assistant Editor to continue to develop all aspects of the journal. Assistant Editors are vital members of the *Nature Immunology* team, responsible for peer review and manuscript selection; commissioning of Reviews, Commentaries and News & Views; writing and editing. Close ties with the immunology community will be forged and maintained through travel to international meetings and visits to individual laboratories. Applicants should have a Ph.D. and post-doctoral experience in immunology, an intense curiosity and broad understanding of the field. The ideal candidate will have an enthusiasm for, and commitment to, the communication of science.

Based in our central New York City office, the *Nature Immunology* team is part of a dynamic editorial and publishing environment that includes *Nature Genetics*, *Nature Structural Biology*, *Nature Medicine*, *Nature Biotechnology* and *Nature Neuroscience*. The successful applicant will also enjoy a close working relationship with the London-based *Nature* and *Nature Cell Biology* teams.

To apply, please submit a CV, a short (700-900 words) News & Views-style article on an exciting and newsworthy recent development in any area of immunology and a short cover letter explaining your interest in the post to Dr. Linda J. Miller, Editor, *Nature Immunology*, Nature America, 345 Park Avenue South, New York, NY 10010 (fax 212.696.9594; email admin@natureny.com) to arrive as soon as possible and **not later than 29 June 2001**.



PIONEER.

A DUPONT COMPANY

RESEARCH SCIENTIST

Pioneer, A DuPont Company is the world leader in the discovery, development and delivery of elite crop genetics. We are seeking a Research Scientist, Association Geneticist at our Johnston, Iowa main campus. This person will work with in-house scientists and outside collaborators to develop association genetics tools and apply these methods to our marker/expression data sets. The scientist will provide leadership in the area of association genetics and trait dissection and provide data analysis to support trait groups within Crop Genetics R&D. A Ph.D. in quantitative genetics, population genetics and applied statistics with at least 2 years post doc experience preferred. Association analysis and experience with Bayesian and MCMC methods highly desirable.

You must reference Job Code **RES/NP190/PSC** in order to be considered. Please send a resume and cover letter to: **Resume Processing Center, Pioneer, A DuPont Company, 400 Locust Street, Suite 700, PO Box 14454, Des Moines, IA 50306-3454**, or Email: apply@pioneerjobs.com. EOE

www.pioneer.com

Senior Faculty Position Biology, Computing and Medicine University of New Mexico School of Medicine

The University of New Mexico School of Medicine (SOM) invites applications for a tenure track position at the rank of Associate or Full Professor. The successful applicant will serve as the Director of the Office of Biomedical Computing, develop a new program of emphasis strengthening our growing research focus at the interface of biology, medicine and computing, and maintain a strong independently funded research program.

As Director, the successful applicant will provide the vision and leadership to develop and apply computational methods that extend, complement and support institutional interests in functional genomics, proteomics, structure-activity relationships and drug design, cell signaling or modeling of complex biological processes, systems and networks, epidemiology and population health. The Director will interact with academic units throughout the university to develop multidisciplinary programs in biomedical computing with the long-range goal of establishing a Department of Biomedical Computing in the SOM. Areas of institutional emphasis include cancer, diabetes, asthma, cardiovascular physiology, neuroscience, infection and inflammation, and medical informatics. Participation in graduate teaching activities also will be expected.

Ongoing collaborations with the UNM-Albuquerque High Performance Computing Center, Sandia National Laboratory and Los Alamos National Laboratory provide a multidisciplinary environment with state-of-the-art resources and capabilities. The position will be supported by a full time systems analyst and other technical personnel.

Minimum requirements include a Ph.D., M.D., or equivalent degree, 3 years supervisory experience and experience commensurate with appointment at the level of associate professor. Desirable qualifications: Demonstrated managerial and program building experience. Demonstrated experience in development or application of computational methods, software or algorithm development, database design or data information systems in the context of functional genomics, proteomics, structure-activity relationships and drug design, cell signaling or modeling of complex biological or population processes, systems and networks. Demonstrated ability to work productively in collaborative, multidisciplinary research environment. Demonstrated experience in developing multidisciplinary environment for computational biology. Experience in research related to cancer, diabetes, asthma, cardiovascular physiology, neuroscience, infection and inflammation, and medical informatics. Demonstrated experience in graduate or medical teaching. Demonstrated research productivity, as evidenced by peer-reviewed publications and extra-mural research support.

For best consideration, application materials must be received by July 31, 2001. Applicant must send a curriculum vitae, the names of three references and a concise description of their research program or plan to: **Dr. Jeffrey Griffith, Computational Biologist Search Committee, Department of Biochemistry and Molecular Biology, University of New Mexico School of Medicine, Albuquerque, New Mexico, 87131-5221.**

UNM School of Medicine is an Equal Opportunity/Affirmative Action Employer and Educator



Postdoctoral Fellow Positions: Gene Regulation of Aging National Institute on Aging - NIH

The Intramural Research Program at the National Institute on Aging Gerontology Research Center has begun a major initiative called AGEMAP (Atlas of Gene Expression in Mouse Aging Project) aimed at identifying genes that play fundamental roles in aging, and in determining the molecular and cellular mechanisms of action of those genes. Five postdoctoral positions are available in the following areas:

- 1) **Neurosciences** (M. Mattson, M. Lane, M. Rao and D. Ingram).
- 2) **Cardiovascular Sciences** (E. Lakatta and K. Boheler).
- 3) **Immunology and Hematopoiesis** (D. Longo, P. Gasper, N. Weng and D. Taub).
- 4) **Genetics** (M. Ko and D. Schlessinger).
- 5) **Stress Pathways and Gene Expression** (N. Holbrook and K. Becker).

The projects involve microarray analyses of gene expression during aging in mice, and use of this information to establish specific roles for candidate genes in normal aging and age-related diseases. The positions offer a unique opportunity to participate with a team that has developed cutting-edge technology for large-scale molecular profiling and is applying the technology to fundamental problems in the biology of aging. Applicants must have an established record of scientific accomplishment within one or more of the designated fields, and a strong interest in the biology of aging. Preference will be given to applicants with expertise in molecular and cell biology, gene expression analyses and/or bioinformatics.

Applicants should send curriculum vitae and three letters of recommendation to: **AGEMAP, c/o, Human Resources Office, Box 26, National Institute on Aging, 5600 Nathan Shock Drive, Baltimore, MD 21224-6825. Announcement #NIA-01-022.** Applications must be postmarked by July 8, 2001.

NIH IS AN EQUAL OPPORTUNITY EMPLOYER

HIV Drug Resistance Program

Senior Research Fellow and Postdoctoral Fellows

Senior Research Fellow and Postdoctoral Fellow positions are available immediately in a research program focused on understanding the replication of human immunodeficiency virus and other retroviruses. Research projects encompass a broad area of retroviral replication and pathogenesis; specific ongoing projects include mechanisms of viral drug resistance, development of new anti-HIV drugs, mechanisms of reverse transcription, reverse transcriptase fidelity and recombination, and viral RNA dimerization.

Applicants must have a strong background in molecular biology, biochemistry and/or virology. Applicants to the Senior Research Fellow position must have relevant prior postdoctoral experience (salary range: \$53K-\$69K). The salary range for postdoctoral positions is \$32K-\$51.8K, commensurate with experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to:

**Dr. Vinay K. Pathak
HIV Drug Resistance Program
NCI-Frederick, P.O. Box B
Frederick, MD 21702**

Fax: 301-846-6013, E-mail: vpathak@ncifcrf.gov
Website: www.ncifcrf.gov/hivdrp/Pathak.html



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1. *Science* December 2000 BPA Publisher's Statement.

2. *Science* Harvey Research Readership Surveys: 14 January 2000, 4 February 2000, 4 June 1999, (Japan) as applied to *Science* December 2000 BPA Publisher's Statement, publisher's own data.

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Science is a proud sponsor of the upcoming **Drug Discovery Technology 2001 Meeting** in Boston, MA, 12–17 August 2001. For further information, go to www.drugdisc.com. The industry scientists attending will be encouraged to visit *Science's* Career Fair being held in conjunction with DDT 2001.

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DIRECTOR

Hatfield Marine Science Center Oregon State University Newport, OR

Oregon State University invites nominations and applications for persons qualified to serve as the Director of the Hatfield Marine Science Center (HMSC), a world class research, teaching and public outreach facility located in Newport, Oregon. The University is seeking candidates with demonstrated success in bringing innovative and entrepreneurial approaches to meeting complex management challenges and advancing the basic and applied marine sciences. The Director must be a distinguished scientist with broad experience in marine science and the management of large, complex scientific programs. Qualifications include:

- Demonstrated successful leadership in the planning and management of a large and complex organization
- Successful record of administrative experience, including budget development and financial management, personnel management, policy formulation, public relations and development
- Ph.D. or equivalent degree in a field relevant to the marine sciences
- Distinction in professional achievements consistent with the expectations of the rank of Professor
- Demonstrated experience with competitively funded research programs
- Familiarity with State and Federal research agencies and programs
- Experience or potential for successful development and fundraising work
- Strong record of, or demonstrated commitment to, advancing cultural diversity and equity
- Record of commitment to interdisciplinary programs, innovative teaching, and scholarship
- Experience in liaison roles with local communities is highly desirable.

Completed applications must include: a) letter of interest, including the candidate's vision of how an institution such as HMSC should advance in the new millennium; b) curriculum vitae; and c) contact information for at least five references (including name, title, address, phone number and email address). Nominations are welcome. Strict confidentiality will be maintained. For full consideration, please apply by August 1, 2001. Review of applications will continue through September 30, 2001. Please send all materials to:

Dr. Roy Arnold
HMSC Search Committee Chair
c/o Nagwa Naguib
Research Office, A312 Kerr
Administration Bldg
Oregon State University
Corvallis OR 97331
(541) 737-3467 phone
(541) 737-3093 fax
roy.arnold@orst.edu

Nagwa Naguib (Nagwa.Naguib@orst.edu) will be pleased to respond to requests for information.

The university has an institution-wide commitment to diversity and multiculturalism, and provides a welcoming atmosphere with unique professional opportunities for leaders who are women and people of color. All are encouraged to apply.

OSU is an Affirmative Action/Equal Opportunity employer with a policy of being responsive to dual-career needs.

GLOBAL OPPORTUNITIES

Exciting New Zealand Forestry RESEARCH DEVELOPMENT

• Ph.D. & BS/MS Level Positions

• Excellent Career Opportunities

Genesis Research and Development Corporation Limited is a rapidly growing publicly listed biotechnology company based in Auckland, New Zealand. Its success to date is recognised through its ability to forge strong national and international partnerships as well as capture value through commercialising intellectual property.

Our primary focus is the use of gene technology to develop biopharmaceuticals and as a platform to exploit opportunities in forestry and agriculture. The following new roles represent significant growth and development in our forestry programme within Genesis.

MOLECULAR BIOLOGISTS (2 Positions) - Ph.D. & BS/MS

In these positions, you will be required to design and build binary vectors for use in tree biotechnology. This will include vectors for use in gene discovery programmes, and for use in commercial development. In addition to a comprehensive background in molecular biology, you will ideally have had experience in plant gene expression and translation systems.

GENE REGULATION SCIENTISTS (2 Positions) - Ph.D. & BS/MS

You will be responsible for developing appropriate methods for silencing genes in forest trees and in model plant systems contributing to the functional genomic knowledge within Genesis. In addition to a comprehensive background in molecular biology, you will have appropriate experience and knowledge in gene silencing.

EXPRESSION ANALYSIS BY MICROARRAYS (2 Positions) - Ph.D. & BS/MS

In these roles, you will have the opportunity to develop profiles of key genes involved in growth and development of trees and will be responsible for identifying potential candidate genes for use in tree improvement, and promoter selection. In addition to a sound background in molecular biology, you will have strong interests in gene mining and computing, and have the ability to interact effectively with bioinformaticians and statisticians.

TRANSCRIPTIONAL REGULATION IN TREES (2 Positions) - Ph.D. & BS/MS

With these opportunities you will be responsible for identifying and characterising promoter candidates from forest trees and their downstream application in a commercial environment. You will possess a solid background in molecular biology together with a strong interest in the control of gene expression at the transcriptional level.

For all the above positions, you will be appropriately qualified together with relevant post-degree training and experience. An active interest in gene discovery and willingness to contribute to patents and publications is highly desirable. In addition, you will possess effective verbal and written communication skills as well as strong interpersonal capability. The ability to be flexible and adaptable, as well as enjoy working in an open plan team culture and environment are all key pre-requisites for these challenging new roles.

To register your interest for any of these roles, please send applications to:

Brent Sincok, Head of Human Resources,
Genesis Research and Development Corporation Ltd.
PO Box 50, AUCKLAND, New Zealand.
email: job.applications@genesis.co.nz
FAX: +64 9 373-5601

Applications close on 22 June 2001.

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POST DOCTORAL – REPRODUCTIVE BIOLOGY

Animal Agriculture Sector
• St Louis, MO •

Monsanto Company is a leading global provider of technology-based solutions and agricultural products that improve farm productivity and food quality. We currently seek a detail-oriented professional to join our Animal Agricultural Group, A Unit of Monsanto Company, St. Louis.

As a part of a research team responsible for developing DNA staining methodologies applicable to flow cytometry of mammalian cells, the successful candidate will work across functional areas with chemists, molecular biologists and engineers to help identify new reagents and procedures that can be used for sorting of mammalian gametes. In addition, the team player will provide the principal technical direction for flow cytometric aspects of the research project, but will work closely with other project team members to develop and test new DNA stains and sorting procedures as well as their effect on fertility in cattle and swine. This important role necessitates a Ph.D. in Reproductive Biology, Biochemistry, Physiology or related field plus previous experience with flow sorting applications. Experience working with oocytes and/or sperm cells, fluorochrome-labeling techniques and biochemical analysis of DNA is preferred, but not essential.

We offer a competitive salary and benefits package. If you have a desire to be part of our organization, please submit resume using our preferred method of response: <http://respond.webhire.com/job/id?604-r383-J1>. Monsanto is an equal opportunity employer. We value a diverse combination of ideas, perspectives, and cultures. EEO/AA EMPLOYER M/F/D/V.

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A France based biotechnology company specializing in Drug Discovery with research facilities in France and North America is seeking to expand its activities in computational and combinatorial chemistry :

Chemist with expertise in Molecular Modelling

The successful candidate will join an interdisciplinary team of scientists and will report directly to the Director of Molecular Modelling. He/she will contribute to the overall improvement in the statistical and modelling methods used to support CEREPs' combinatorial and medicinal chemistry drug discovery efforts.

The ideal candidate should be around 35 years of age with a PhD in Molecular Design and/or Computational Chemistry. Industrial experience should include a minimum of 3 years in molecular modelling and the use of computational chemistry tools in the design of drugs for the pharmaceutical related industry, and a creative record.

The complete familiarity and practical experience with the use of standard programming languages (e.g., C and/or Fortran, Unix, Java, HTML) and molecular modelling software tools are essential requirements.

The position will be in our Main Headquarters in Rueil Malmaison just outside of PARIS. Fluency in both English and French is a prerequisite.

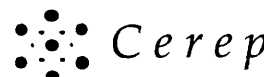
Head of Combinatorial Chemistry Department

Applications are invited for a position of Combinatorial Chemistry Department Head. The successful candidate will manage a growing team of approx. 15 scientists and will report directly to the Director of Chemistry. He or she will be in charge of various R&D projects in close relation with Medicinal Chemistry, Molecular Modelling, Analytical and QA Departments and our external partners.

The ideal candidate should be 35-40 years old with a PhD in Organic Chemistry and will have about 10 years of experience in the area of combinatorial and medicinal chemistry in the pharmaceutical industry and a proven record at a position of Group Leader.

The position will be located in our Main Headquarters in the outskirts of Paris (92- France). Fluency in both English and French is prerequisite.

For consideration please send your resume and salary requirements to :
CEREP / DRH - Le bois L'Evêque/ BP 1
86 600 CELLE L'EVESCAULT - France
ressources.humaines@cerep.fr



FACULTY OPPORTUNITIES

The University of Texas M. D. Anderson Cancer Center, ranked the #1 cancer center and nominated in four other categories by *U.S. News & World Report*, is the world's largest treatment facility for oncological diseases. Located within the Texas Medical Center campus in Houston, our location provides access to a world renowned medical community and the splendid cultural and recreational diversity of a sophisticated, metropolitan area that is the country's fourth largest city.

Opportunities available in the following:

- Biochemistry & Molecular Biology
- Biomathematics
- Cancer Biology
- Carcinogenesis
- Experimental Therapeutics
- Immunology
- Molecular Genetics
- Molecular & Cellular Oncology
- Molecular Pathology
- Molecular Therapeutics
- Veterinary Medicine & Surgery

The University of Texas M. D. Anderson Cancer Center provides competitive salaries and generous benefits. Interested BC/BE candidates are invited to send a copy of their CV and a letter describing their clinical and academic interests to: Glenda C. Johnston, Faculty Academic Affairs, 1515 Holcombe Blvd., Box 201, Houston, TX 77030; or e-mail: gjohnston@mdanderson.org. For additional information please call (713) 792-4238.

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nature medicine

seeks an **Assistant Editor** to join its full-time editorial group in New York City.

The position offers an exciting and challenging opportunity to enter the world of scientific publishing while remaining at the forefront of research. Members of the editorial team oversee the selection and preparation of research articles published in *Nature Medicine*; they also commission Commentaries and Reviews and write news items and editorials for the journal. They attend meetings, visit laboratories and maintain alliances with the international scientific community.

We are seeking a qualified biomedical researcher with a PhD and a broad-based interest and expertise in the areas covered in *Nature Medicine*. The ideal candidate should have postdoctoral research experience and publications in peer-reviewed journals, excellent written and oral communications skills, good standing in the community and a commitment to the communication of science. We are particularly interested in applicants with expertise in Immunology but we would welcome applications from outstanding candidates in any area of biomedical research.

Please submit a curriculum vitae, a concise cover letter explaining your interest in the post and a 600-word News & Views style article on an exciting and newsworthy recent development in any area of biomedical research, to: The Editor, *Nature Medicine*, 345 Park Avenue South, 10th Floor, New York, NY 10010-1707, Fax: (212) 683-5751, medicine@natureny.com. **The deadline for applications is 15th of June 2001.**

**Neuroscience Faculty Search
University of Massachusetts
Medical School/
E. K. Shriver Center**

In July 2000, the Eunice Kennedy Shriver Center for Mental Retardation, Inc. merged operations with the University of Massachusetts Medical School. In partnership with the Medical School, the Shriver Center announces a major effort to expand its programs in translational and basic neuroscience. The mission of the Center is to understand neurological and behavioral development, with special emphasis on mental retardation and developmental disabilities. The Center, located 7 miles from Boston in Waltham, MA, features multidisciplinary programs of research, service, and training consistent with its mission. The research program includes programs in developmental neurobiology, behavioral and cognitive neuroscience, and several other mission-relevant areas. For more information, consult the website: www.shriver.org. Applicants should submit a curriculum vitae, a statement addressing scientific interests and academic leadership goals, and contact information for three or more references to: William J. McIlvane, Ph.D., Chairman, Faculty Search Committee, E. K. Shriver Center, 200 Trapelo Road, Waltham, MA 02452.

**Associate Director of Research,
Translational Neuroscience**

The Center is seeking to develop further its research programs in translational neuroscience. To that end, we have initiated a national search for an outstanding scientist to serve as Associate Director of Research. In addition to maintaining an individual research program, the successful candidate will take a leadership role in building interdisciplinary mission-relevant translational neuroscience programs via effective integration of existing programs and recruiting. Qualifications will include an appropriate M.D. and/or Ph.D. degree, a successful program of externally funded research, and demonstrated scientific leadership skills. The position carries appointment with tenure in an appropriate UMMS department. The search will remain open until the position is filled.

Neuroscience Faculty

The Center invites applications for several new faculty positions at the rank of Assistant or Associate Professor within the Neurobiology of Developmental Disorders Division (formerly Biomedical Sciences). Current NDD faculty utilize brain systems from cortex to retina to brainstem. Areas of interest range from cytoskeletal elements to diffusible factors that regulate differentiation, cell migration, or axon guidance. We seek colleagues with active research programs that will complement existing interests and/or expand into new areas of molecular, cellular or genetic neuroscience, preferably in mammalian systems. Qualifications will include an appropriate M.D. and/or Ph.D. degree, a program of externally funded or fundable research, and potential to collaborate productively with current Shriver and/or UMMS main-campus faculty. Startup funding is available and appropriate candidates may be considered for tenure.



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dedication to discovering, developing and delivering medicines to improve the health of both people and animals worldwide, we want yours to be the newest Face of Pfizer. Consider the following opportunities at Pfizer Global Research and Development facilities in Ann Arbor, Michigan, and Groton, Connecticut.

Sr. Scientist/Research Associate, Cancer Pharmacology (Ann Arbor)

We are seeking a PhD-level scientist with 4+ years postdoctoral experience in Cancer Pharmacology to work with a team that is dedicated to discovering new small molecule anti-cancer therapeutics. Responsibilities include developing and implementing quantitative cell-based and/or biochemical assays and evaluating the cell biological/biochemical effects of small molecule modulators of defined molecular targets. The ideal candidate will have experience in multiple areas of cancer research, excellent oral and written communication skills and experience in mentoring technical staff. Req. #23Jan0101944

Assistant Scientist (Groton)

In this role, you will use *in vivo* models and cell cultures to conduct a variety of experiments designed to evaluate new anti-inflammatory and anti-arthritis drugs. You must have a BS (MS preferred) with an emphasis in a biological science and experience working with animals. Additionally, you must be able to dose PO, IV, SC and IP and demonstrate a thorough understanding of the following biochemical skills: ELISA, RIA, EIA and cell culture. Basic molecular biology skills (RNA and protein isolation, RT-PCR and Western blot) are essential. Req. #09May0104852

Pfizer offers an exceptional work environment complete with 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. An equal opportunity employer, Pfizer offers a workplace rich with diversity and potential.



Life is our life's work.

POSITIONS OPEN

FACULTY POSITION Kansas State University

The Department of Anatomy and Physiology in the College of Veterinary Medicine invites applications for a 12-month, tenure-track **ASSISTANT or ASSOCIATE PROFESSOR** position (80% research and 20% teaching) beginning December 1, 2001. We seek an individual who will complement the research strengths within the Department and college. Active NIH- and USDA-funded programs in the Department are focused on cell and molecular physiology, neuroscience, cardiovascular and respiratory physiology, molecular pharmacology, and immunophysiology ([website: http://www.vet.ksu.edu/depts/ap](http://www.vet.ksu.edu/depts/ap)). The teaching component of the position involves contributing to a team-taught physiology course in the D.V.M. curriculum in reproductive physiology. The candidate also is expected to be active in graduate studies. Applicants for an Associate Professor rank must have an outstanding record of productivity and current extramural funding. D.V.M. and/or Ph.D. or equivalent are required. Applicants should submit curriculum vitae, selected reprints, statement of research and instructional interests, and have three letters of reference sent to: **Dr. Frank Blecha, c/o B. J. Thompson, Department of Anatomy and Physiology, Kansas State University, 228 Coles Hall, Manhattan, KS 66506-5802**. Review of applications will begin on August 15, 2001, and continue until the position is filled. *KSU is an Equal Opportunity Employer and actively seeks diversity among its employees.*

DIABETES. Two **TENURE-TRACK DIABETES FACULTY POSITIONS** are available in the Center for Diabetes Research at the Indiana University School of Medicine. Faculty in the Center would have primary appointments in an appropriate basic science department and would be expected to develop externally funded basic research programs with relevance to diabetes and its complications. Areas of interest include but are not limited to molecular mechanisms of action of insulin and other relevant hormones, molecular and cellular aspects of metabolic control, proteomic or genomic approaches to diabetes research, obesity, and islet cell biology. Relevant research on model organisms such as flies, worms, or zebrafish is also of interest. Applicants must have a Ph.D., M.D., or equivalent degree. Successful candidates would participate in training medical and graduate students. Applicants at all faculty ranks will be considered, and competitive space and start-up funding are available. Please send applications, including names of three references and proposed research, to: **Dr. Peter J. Roach, Center for Diabetes Research, Van Nuys Medical Science Building, MS405A, 635 Barnhill Drive, Indiana University School of Medicine, Indianapolis, IN 46202**. E-mail: diabetes@iupui.edu. *Indiana University is an Equal Opportunity/Affirmative Action Employer; Minority/Female/Disability.*

BIOLOGY FELLOW

The Department of Biology at Amherst College is seeking a Biology Fellow beginning in the summer of 2001. Duties of the position would include coordination and supervision of undergraduate teaching assistants and preparation of laboratories in two introductory biology courses, one in cell and molecular biology and the other in organismal biology; instruction in one to three laboratory sections in these courses; oversight of associated teaching and computer laboratory facilities; and participation in the departmental undergraduate thesis program including possible supervision of student research. Qualifications: Ph.D. preferred.

Applications will be reviewed beginning on July 2, 2001, and continue until the position is filled. Send curriculum vitae including summary of teaching experience and three letters of recommendation to: **Patrick Williamson, Chair, Department of Biology, Amherst College, P.O. Box 5000, Amherst, MA 01002-5000**.

Amherst College is an Equal Opportunity/Affirmative Action Employer and encourages women, minorities, and persons with disabilities to apply.

POSITIONS OPEN

NEUROSCIENTIST/NEUROLOGIST

The Department of Neurology, Northwestern University Medical School and Northwestern Memorial Hospital, is seeking an M.D. or M.D./Ph.D. full-time academic Neurologist with strong cellular and molecular research interests. The Department is committed to excellence in both clinical and basic sciences, and substantial resources have been given for the expansion of the Department's research and clinical programs. Examples of areas of interest in the Department include stem cell biology, the biology of channels and receptors, sleep and circadian rhythms, molecular genetics of neurologic disease, neuro-oncology, and stroke. Research space and substantial support are available for development and expansion of basic research programs in each of these areas as well as other related ones. Salary will be negotiable depending upon rank and experience. Please refer to Academic Search number P-256-01.

Interested candidates should send their curriculum vitae to: **John Kessler, M.D., Chairman, Department of Neurology, Northwestern University Medical School, 710 North Lake Shore Drive, Chicago, IL 60611**. Telephone: 312-503-2775; e-mail: jakessler@northwestern.edu.

In order to ensure full consideration, applications must be received by September 1, 2001. *Northwestern University is an Equal Opportunity Employer and encourages women and minorities to apply.*

POSTDOCTORAL SCIENTIST

A position is available to work on the development of a nonhuman primate model of Chagas' disease, manifested as cardiac abnormalities consequent to infection with *Trypanosoma cruzi*. The work will involve a variety of molecular, biochemical, and immunological methods as well as cell and trypanosome culture. The project will involve identifying genes involved in susceptibility to Chagas' disease and developing an experimental primate model for research on disease progression and preventive strategies. The position will be located in the Molecular and Biochemical Genetics Laboratory of the Department of Genetics, Southwest Foundation for Biomedical Research. Applicants will have a Ph.D., D.V.M., or M.D. or be within one year of expected completion of Doctorate (to be completed before appointment to the position). The successful applicant will be supervised by **Dr. John VandeBerg**, who directs that laboratory and is Director of the Southwest Regional Primate Research Center (Telephone: 210-258-9430; e-mail: jlv@sfr.org). Applicants should submit curriculum vitae and the names, addresses, and telephone numbers of three references to: **Mr. Michael Moore, Director of Human Resources (01-019S), Southwest Foundation for Biomedical Research, P.O.B. 760549, San Antonio, TX 78245-0549**.

ASSISTANT/ASSOCIATE PROFESSOR Cell and Molecular Biology

Required qualifications: Ph.D. or equivalent degree in a biological science or biomedical sciences, postdoctoral experience, research background in cell/molecular biology, and ability to teach in a team-taught histology and development course in the professional curriculum. Have or will have extramural funding. Salary and start-up package will be competitive. Application deadline is July 2, 2001, or until candidate is selected. Submit letter of application and résumé to: **Gary E. Wise, Ph.D., Comparative Biomedical Sciences, Louisiana State University, Reference Number 000878, Baton Rouge, LA 70803**. Telephone: 225-578-9889. *LSU is an Equal Opportunity/Equal Access Employer.*

BIOLOGY

The Thomas More College of Liberal Arts seeks Ph.D. to teach general biology and general chemistry, to teach in and to help develop the major program in biology, and to participate in the life of a unique liberal arts college. Salary is competitive. Wide range of benefits. Send credentials to: **Dr. Peter V. Sampo, President, Thomas More College of Liberal Arts, 6 Manchester Street, Merrimack, NH 03054**. E-mail: thomaemora@earthlink.com.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR Plant Biochemistry and Metabolic Engineering Michigan State University

The newly organized Department of Plant Biology invites applications for a tenure-track, academic-year position as Assistant or Associate Professor in plant biochemistry and metabolic engineering. Examples of research areas in which candidates are sought include investigation and application of biochemical diversity within the plant kingdom, metabolic engineering of novel products in plants, and genetic or genomic approaches toward understanding plant metabolic pathways and their regulation; applicants with outstanding research records in all areas of plant biochemistry and its regulation are encouraged to apply. Candidates will be expected to establish a vigorous, externally funded, independent research program and to teach in the Department. Michigan State University has a traditional and expanding focus in plant biochemistry, which is supported by superb infrastructure including new facilities for high-throughput DNA sequencing, proteomics, 900 MHz NMR, and microarrays. Faculty at MSU are eligible for funding from the \$50 million per year Michigan Life Sciences Corridor. Review of applications will begin August 15, 2001, and continue until suitable candidates are identified. Interested persons should submit a letter of application, a summary of research and teaching goals, and curriculum vitae with names of three references to: **John Ohlrogge, Plant Metabolism Search Committee, Department of Plant Biology, Michigan State University, East Lansing, MI 48824-1312**. *Women and minorities are strongly encouraged to apply. MSU is an Affirmative Action/Equal Opportunity Institution.*

COLUMBIA UNIVERSITY COLLEGE OF PHYSICIANS AND SURGEONS

FACULTY POSITIONS in developmental neurobiology. The Department of Physiology and Cellular Biophysics, Pathology, Anatomy and Cell Biology, Biochemistry and Molecular Biophysics, Genetics and Development, and The Center for Neurobiology and Behavior invite applications from candidates who wish to study developmental neurobiology.

As part of a continuing expansion in developmental neurobiology at Columbia University, we invite applications for tenure-track faculty positions. Preference will be given to candidates who address fundamental questions in areas ranging from cell lineage and specification, transcriptional regulation, and signaling to axon guidance and synaptogenesis and whose interests complement those of the existing groups of investigators of developmental neurobiology at this campus.

Applicants must hold an M.D. or a Ph.D. and be capable of establishing and maintaining a strong, independent research program.

Please send curriculum vitae, a brief statement of research interests, and three letters of reference to: **Ms. Nontrel K. Carwell, Neurobiology Search, Columbia University, P and S 11-511, 630 West 168th Street, New York, NY 10032**. E-mail applications will not be accepted. *Columbia University is an Equal Opportunity/Affirmative Action Employer.*

The Vassar College Department of Biology is seeking a broadly trained Biologist to fill a full-time, one-year **VISITING ASSISTANT PROFESSOR** position. Ph.D. is required and appropriate teaching and postdoctoral experience preferred. Teaching includes the evolution of biological diversity (introductory) in the fall semester followed in the spring by evolutionary biology (advanced) and another advanced biology course in the candidate's area of expertise. Please send curriculum vitae, statements of teaching philosophy and research interest, and three letters of reference to: **Dr. David K. Jemiolo, Department of Biology, Box 731 Vassar College, 124 Raymond Avenue, Poughkeepsie, NY 12604**. Applications must be submitted by June 29, 2001. Departmental and course information may be found at [website: http://depts.vassar.edu/~biology/](http://depts.vassar.edu/~biology/). *Vassar College is an Affirmative Action/Equal Opportunity Employer.*

CANCER GENOMICS SCIENTIFIC PROJECT DIRECTOR

National Institutes of Health National Cancer Institute

The National Cancer Institute (NCI), the nation's premier research agency responsible for cancer research, is seeking a creative and innovative individual to fill the position of Cancer Genomics Scientific Project Director, in Bethesda, MD.

Description of Duties:

The incumbent of this position is responsible for providing leadership, direction, scientific management, and oversight on any one of the research programs (Cancer Genome Anatomy Project, Mammalian Gene Collection, Molecular Target Laboratories) and components to support the future goals of the Cancer Genomics Office. Monitors and facilitates the development of genomics technologies to support the CGO initiatives, CGAP, MGC, MTL and the transfer of that technology to cancer research laboratories, industry, clinical applications, and other biomedical and industrial applications. The area of cancer genomics technology development is scientifically complex, and highly visible, involving a multidisciplinary network that combines the expertise of large numbers of interdisciplinary research groups.

The incumbent of this position serves as a national expert for new cancer genomics technologies that can be capitalized upon in support of the CGO. In this capacity, functions as a staff expert on technologies being developed in relevant areas; facilitates the development of cancer genomics in the National Cancer Program; facilitates the transfer of project resources, including information, materials and technologies to cancer research laboratories, industry, clinical applications, and other biomedical and industrial applications.

Qualifications:

To be minimally qualified for this position, applicants must have at least one year of specialized experience equivalent to the GS-601-14 level. In addition, the GS-601 series requires under the Individual Occupational Requirement a degree with a major study in an academic field related to the health sciences or allied sciences appropriate to the work of the position.

Must have advanced training and knowledge in Cancer Genomics, i.e., a Ph.D. degree or equivalent training, gained through formal education and/or experience.

Therefore applicants must also submit a supplemental statement to their resume or application addressing each of the specific KSAs listed below. Failure to provide a statement addressing each of the specific KSAs for this position will eliminate applicants from further consideration.

1. Knowledge of current activities in research to coordinate and direct a project of national significance in Cancer Genomics.
2. Skill in oral communication.
3. Skill in written communication.

Salary: \$ 87,864.00 - \$ 114,224.00
Opening/Close Date: 04/27/2001 - 06/30/2001
Announcement Number: NCI-01-2919
Series and Grade: GS-601-15

Applicants must address requirements as outlined in Vacancy Announcement NCI-01-2919.



Eligibility: U.S. citizenship is required.

For a complete position description, basic and specialized qualifications, application and procedures or to apply on line, please reference the NIH website at careerthere.nih.gov. You may also use the NIH Fax Number: (301) 594-2953 and request Fax ID Number 1952 for vacancy information. NIH/NCI is an Equal Opportunity Employer.



UNITED ARAB EMIRATES UNIVERSITY FACULTY OF MEDICINE AND HEALTH SCIENCES Department of Pathology ACADEMIC APPOINTMENTS IN MOLECULAR AND GENETIC MEDICINE

We currently have a vacancy at the level of Assistant/ Associate Professor in Molecular and Genetic Medicine, which offers the opportunity to work as part of a team of academic pathologists providing clinical service to the Al Ain Medical District, teaching our medical students through an integrated and problem-based curriculum and pursuing research relevant to the needs of the UAE.

The appointee should have a PhD, MD/PhD, or equivalent qualification in Molecular/Medical Genetics, with significant postgraduate experience, demonstrated excellence in research and teaching, success in obtaining peer-reviewed grant support, and good interpersonal and team-working skills.

The position involves teaching at both the undergraduate and postgraduate medical levels in the fields of molecular biology and genetics (molecular basis of disease). The successful candidate should have ongoing research in the genetic basis for susceptibility to common diseases, including heart disease, hypertension, cancer, obesity and diabetes. The appointee is also expected to run the Genetic Testing Unit.

The UAE University offers salaries free from local income tax and a significant benefits package including free housing, furniture allowance, assistance with children's education fees, annual round trip air tickets, relocation expenses, generous leave arrangements, assistance in attending international conferences, annual bonus and an interest free car loan.

Further information may be obtained at <http://www.fmhs.uaeu.ac.ae/fmhs/patho/patho.htm> or from Dr Bertel Berg +971-3-7039469/7672000 (tel), +971-3-7671966 (fax) or email: bertelberg@uaeu.ac.ae

To apply, please send a comprehensive curriculum vitae and covering letter together with the names and addresses of four referees to:

Dr Bertel Berg (c/o Mr C. P. Nair)
Faculty of Medicine and Health Sciences
United Arab Emirates University
P O Box 17666, Al Ain, United Arab Emirates
Fax No. +971-3-7672001

Applications will be closed 4 weeks after the date of publication.

POSITIONS OPEN

ASSOCIATE DIRECTOR/DIRECTOR of the *E. coli* Genetic Stock Center Department of Molecular, Cellular, and Developmental Biology Yale University

The Department of Molecular, Cellular, and Developmental Biology at Yale University invites applications for appointment as Research Scientist or Senior Research Scientist to serve as **ASSOCIATE DIRECTOR/DIRECTOR** of the *E. coli* Genetic Stock Center. The Stock Center serves the academic and industrial communities by archiving and supplying *E. coli* strains and by maintaining and continuing the development of extensive computerized databases. We seek a dedicated and meticulous scholar with an understanding of microbial genetics and metabolism, practical experience in microbiology, and administrative and managerial skills.

Additional information on the *E. coli* Genetics Stock Center and the Department of MCD Biology can be found at **website:** <http://cgsc.biology.yale.edu> and **http://www.biology.yale.edu**.

Please send curriculum vitae, description of research and academic interests, and at least three letters of recommendation by July 24, 2001, to: **Dr. Mary Berlyn, E. coli Genetic Stock Center, KBT 8, Kline Biology Tower, Yale University, P.O. Box 208103, New Haven, CT 06520-8103.**

Yale University is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are urged to apply.

The Center for Neurovirology and Neurodegenerative Disorders (CNND), University of Nebraska Medical Center (UNMC), has two open positions, one at the level of **INSTRUCTOR** and one at the level of **POSTDOCTORAL RESEARCH ASSOCIATE**. The successful candidates will utilize electrophysiological methods to investigate changes in glial and neuronal physiology in HIV dementia and Alzheimer's disease. Techniques will include sharp electrode intracellular recording and whole cell patching from brain slices and/or cultured neuronal cells. An M.D. and/or Ph.D. is required with a minimum of three years of experience in a neuroscience discipline. Specific expertise in electrophysiology is required. Please send curriculum vitae and three letters of reference to: **Howard E. Gendelman, M.D., Director, CNND, UNMC, 985215 Nebraska Medical Center, Omaha, NE 68198-5215. E-mail: hegendel@unmc.edu.**

University of Nebraska Medical Center is an Equal Opportunity/Affirmative Action Employer. Minorities and women are encouraged to apply.

DIRECTOR CORE FACILITY

The Scripps Research Institute (TSRI) is the largest private nonprofit biomedical research institute in the world. We are seeking a Director for our state-of-the-art Protein and Nucleic Acid core facility. The facility provides technical services such as DNA and protein sequencing, peptide synthesis, amino acid analysis, and antibody production/development. Responsibilities include management of technical services and staff. Requires a Ph.D. and excellent communication skills. www.scripps.edu. Apply to: **TSRI, 10550 North Torrey Pines Road, TPC-11, La Jolla, CA 92037. E-mail résumés to: mevans@scripps.edu; FAX: 858-784-8071; website: http://www.scripps.edu.** Please reference *Science*. *Equal Opportunity Employer; Minorities/Females/Veterans/Disabled.*

ASSOCIATE RESEARCH SCIENTIST or POSTDOCTORAL RESEARCH FELLOW positions available immediately to conduct research on genetic factors modifying the development of arteriosclerosis in mouse models. The goal is to identify novel genes using mouse genetics, genome scanning, and gene expression profiling. M.D. or Ph.D.; expertise in molecular biology/genetics required. Send curriculum vitae to: **Alan Tall, Division of Molecular Medicine, Columbia University, P and S 8-401, 630 West 168th Street, New York, NY 10032. We are an Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN



POSTDOCTORAL FELLOWSHIPS IN TISSUE ENGINEERING

Position One: polymers for biomedical applications. Ph.D. in polymer synthesis/related areas.

Position Two: cell and molecular biology. Ph.D. in cell/molecular biology/related areas.

New Fellows will work on N.I.H.-supported musculoskeletal tissue engineering projects.

Send curriculum vitae and references to: **Professor C. Laurencin, Advanced Biomaterials/Tissue Engineering Center, Drexel University, Chemical Engineering, 3141 Chestnut Street, Philadelphia, PA 19104. E-mail: attawia@drexel.edu.**

POSTDOCTORAL POSITIONS are available in the area of experimental bone marrow transplantation and cancer immunotherapy. Projects include (1) study of immunoregulatory T cells after allogeneic marrow transplantation with a secondary focus on the study of posttransplant adoptive immunotherapy for the treatment/prevention of leukemia relapse. Experience in immunology and experimental murine systems is preferred. Contact: **Dr. Bryon Johnson; e-mail: bjohanson@mcw.edu.**

(2) Retroviral transduction of T cell receptor genes that recognize tumor antigens, expression of the TCR from retroviral vectors, and analysis of transduced cytotoxic T cell function. The candidate should be skilled in molecular biology and interested in gene vector biology. Contact: **Dr. Rimas Orentas; e-mail: rjo@mcw.edu.**

Applicants should have a Ph.D. and/or M.D. degree and should send current curriculum vitae, names of at least three references, and a statement describing research skills and interests to one of the above Investigators at: **Department of Pediatrics, Hematology/Oncology, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226. FAX: 414-456-6328. The Medical College of Wisconsin is an Equal Opportunity Educator and Employer.**

RESEARCHER ASSISTANT/ ASSOCIATE PROFESSOR

**The Division of Clinical Perfusion Sciences at
the University of Nebraska**

Medical Center (UNMC), Omaha, Nebraska, seeks applicants for the position of **SENIOR RESEARCHER** in extracorporeal circulation and cardiovascular pathophysiology. This tenure-track faculty position will be at the Assistant/Associate Professor level and will involve leadership in the Department's development of a nationally recognized, extramurally funded research program and the instruction of graduate-level perfusion students. Candidates must hold either a Ph.D. or M.D. Rank and salary are subject to applicant's qualifications. Applicants should send curriculum vitae, a detailed statement of research interests, representative reprints, and addresses of three references to: **Search Committee, Division of Clinical Perfusion Sciences, 985155 Nebraska Medical Center, Omaha, NE 68198-5155. Website: http://www.unmc.edu/cpe/.** The Search Committee will begin screening applicants March 1, 2001, and applications will be accepted until the position is filled. *Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

Position open for a **RESEARCH INVESTIGATOR**. The successful candidate must have a track record of publications and experience with *in vivo* and *in vitro* research on the effects of alcohol and signal transduction on bone pathophysiology including osteoclastogenesis. Submit curriculum vitae, research goals, and letter of inquiry to: **Evan Keller, D.V.M., Ph.D., Room 5304 CCGCB, 1500 East Medical Center Drive, University of Michigan, Ann Arbor, MI 48105. The University of Michigan is an Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

STUDY DIRECTOR DRUG DISCOVERY SUPPORT

Our Madison, Wisconsin, facility is in need of a **STAFF SCIENTIST** to oversee drug metabolism projects. This individual will contribute to the development and implementation of new assays and technology to enable our clients to select the best compounds to proceed into the drug development phase.

Day-to-day duties will include planning, designing, and conducting complex studies to generate high-quality scientific results. Expertise in drug metabolism and cytochrome P450 assays and excellent written and verbal communication skills are required. Qualified candidates will have a Ph.D. and more than one year of relevant experience. Previous experience in the pharmaceutical industry leading study teams and client interaction are desired.

As a leading contract research laboratory, Covance offers a unique chance to combine challenging science, project variety, and the opportunity to work with a respected team of Scientists both as coworkers and clients. Madison, Wisconsin, has consistently ranked in the top 10 U.S. metropolitan areas for quality of life. Our city has a vibrant economy with plentiful jobs, superb health care, a low crime rate, and a range of cultural activities.

**Covance Laboratories
Attention Human Resources 2D0715
P.O. Box 7545**

**Madison, WI 53707-7545
FAX: 608-242-2624**

**E-mail: career.madison@covance.com
Website: http://www.covance.com**

POSTDOCTORAL POSITION BIOPHYSICAL/STRUCTURAL BIOLOGY

A Postdoctoral position is available involving NMR, calorimetry, and computational modeling. This collaborative effort, which involves academic and industry laboratories, provides a highly interactive environment and competitive salary (up to \$40,000 to start). Applicants should have a strong background in biophysics, and computer programming (C or Fortran) is helpful but not necessary.

Send curriculum vitae, statement of research interests, and the names of three references to:

**Dr. Vincent J. Hilser
Department of Human Biological
Chemistry and Genetics
The University of Texas Medical Branch
5.166 Medical Research Building
Galveston, TX 77555-1055
Telephone: 409-747-6813
FAX: 409-747-6816
E-mail: vince@hbcg.utmb.edu**

UTMB is an Equal Opportunity/Affirmative Action Employer; Minorities/Females/Disabled/Veterans. UTMB hires only individuals authorized to work in the United States.

ASSOCIATE RESEARCH SCIENTIST position available immediately to join a research group studying regulation of cardiac ion channels by development and disease. Applicant should have at least four years of postdoctoral research experience in cardiac patch clamp techniques, preferably directed toward the study of the pacemaker current and cardiac automaticity. Experience in studying both native and expressed currents and expertise in adenoviral technology are desired. Send résumé and references to: **Dr. Richard Robinson, Columbia University, Department of Pharmacology, 630 West 168th Street, Room PH7W-311, New York, NY 10032. Columbia University is an Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITIONS are available to study signal transduction mechanisms underlying ion channel regulation in central neurons using combined electrophysiological and molecular biological approaches. Candidates with interest in neuroscience and experience in electrophysiological recording are preferred. Send curriculum vitae and names of references to: **Dr. Zhen Yan, Department of Physiology and Biophysics, State University of New York, Buffalo, NY 14214. E-mail: zhenyan@buffalo.edu.**

Be an NCI Cancer Prevention Fellow

THE NATIONAL CANCER INSTITUTE (NCI) sponsors the Cancer Prevention Fellowship Program (CPFP). Its purpose is to train individuals from a multiplicity of health and biomedical science disciplines in the field of cancer prevention and control.

What will I get out of the program?

- Master of Public Health degree
- NCI Summer Curriculum in Cancer Prevention
- Mentored research at the NCI
- Brief field assignments at other institutions

Research opportunities include cellular signatures of cancer, chemoprevention, clinical epidemiology, diet, nutrition and other lifestyle-factor studies, evidence-based decisionmaking and ethics, gene environment interactions, health disparities and special populations, intervention studies, molecular carcinogenesis, outcomes research, screening and

early detection (including genetic and other biomarkers), smoking cessation, social and behavioral research, statistical and epidemiological methodology, and translational research.

Am I eligible?

You must have a doctorate degree (M.D., D.D.S., D.O., J.D., Ph.D. or equivalent). Foreign education must be comparable to that received in the United States.

You must also be either a citizen of the U.S. or resident alien eligible for citizenship within 4 years.

How long is the program?

Fellows are accepted for up to 5 years of training beginning in July.

When are applications due?

Applications are due September 1, 2001 for entry into the program July 1, 2002.

How do I apply?

To receive a catalog*, contact:

Douglas L. Weed, M.D.,
M.P.H., Ph.D.
Director
Cancer Prevention
Fellowship Program
National Cancer Institute
6120 Executive Boulevard (EPS)
Suite T-41, MSC 7105
Bethesda, MD 20892-7105

* Please provide home address and where you heard about the program.

Further inquiries:

Mrs. Barbara Redding
Phone (301) 496-8640
Fax (301) 402-4863
E-mail br24v@nih.gov

Visit our Web site at:

<http://dcp.nci.nih.gov/pob>

or

<http://resresources.nci.nih.gov/links.cfm>

FELLOWSHIPS

PEW Latin American FELLOWS PROGRAM in the BIOMEDICAL S·C·I·E·N·C·E·S

The Pew Latin American Fellows Program in the Biomedical Sciences provides support for young scientists from Latin America for post-doctoral training in the United States.

Ten Fellows will be selected in 2002. An award of \$50,000 will be provided as a salary stipend for the fellow during the period of training (2 years) and will be administered by the sponsoring U.S. institution. The sponsoring institution is required to supplement the salary stipend with at least \$5,000 a year and to provide full medical benefits for the fellow. Following the two year fellowship, the Program will issue an additional \$35,000 award to the sponsoring institution to purchase equipment and supplies for the fellow to establish a laboratory in his or her home country.

Applicants must have held a Ph.D. and/or M.D. degree, or equivalent, for no more than five years as of July 1, 2002. Applicants may not have had previous post-doctoral training outside of Latin America nor may they have begun a post - doctoral position in the US prior to October 1, 2001. Applicants are not required to have a commitment of a position and laboratory space after the fellowship. However, applicants must submit a written statement of intent to return to Latin America. Fellows must accept a position and have confirmed laboratory space in Latin America by the end of the fellowship period in order to obtain the \$35,000 portion of the award.

Fellows will be selected on the basis of their promise as outstanding investigators, as well as the scientific merit of their research proposal, their record of training and how well their interests coincide with the laboratory of their sponsor in the United States. If potential applicants need assistance with the identification of an appropriate sponsoring laboratory in the United States, they may contact the Program Office before August 1, 2001. The program will accept applications from Mexico, Central and South America. Applications may be obtained from the Regional Committee contact listed here for each country or from our website at www.pewlatinfellows.com

The application deadline is October 1, 2001. Winners will be notified in April 2002 and the fellowship should begin no later than August 2002.

APPLICATION DEADLINE IS OCTOBER 1, 2001

ARGENTINA

Ana Belen Elgoyhen, Chair
Instituto de Investigaciones en Ingenieria
Genetica y Biologia Molecular
Phone: (5411)(4) 783-2871
Fax: (5411)(4) 786-8578
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Sergio T. Ferreira, Chair
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Fax: (55)(21)270-8647
E-mail: ferreira@bioqmed.ufrj.br

CHILE

Manuel Kukuljan, Chair
Programa de Fisiologia y Biofisica
Instituto de Ciencias Biomedicas
Facultad de Medicina
Universidad de Chile
Tel: (56)(2) 678-6310 Fax: (56)(2) 777-6916
email kukuljan@bitmed.med.uchile.cl

MEXICO

Mario Zurita, Chair
Instituto de Biotecnologia. UNAM
Mexico.
Phone: (52)(5) 6227659 Fax: (52)(73) 172388
E-mail: marioz@ibt.unam.mx

All Other Countries

Silvia Montano de Jiménez
The Pew Latin American Fellows Program
3333 California Street, Suite 410
San Francisco, CA 94118
Tel: (415) 476-5116 Fax: (415) 476-4113
E-mail: montano@itsa.ucsf.edu

POSITIONS OPEN

SENIOR STAFF FELLOW/ VISITING SCIENTIST POSITION

Division of Viral Products
Office of Vaccine Research and Review
Center for Biologics Evaluation and Research
Food and Drug Administration

The Laboratory of Hepatitis Viruses, located on the NIH campus, is searching for a candidate to fill a Senior Staff Fellow/Visiting Scientist position. The laboratory is actively engaged in research on the molecular biology of hepatitis viruses, specializing in hepatitis C virus vaccines using the mouse and chimpanzee models. Candidates should have Ph.D., M.D., or M.D.-Ph.D. degrees and research experience in virology, molecular virology, cell biology, or immunology. The candidate will conduct novel research using hepatitis C virus antigens in vaccine studies. In addition, the candidate will perform regulatory review (e.g., product chemistry, manufacturing and control, validation and review of clinical protocols) of licensed and experimental hepatitis virus vaccines. The initial appointment is for two years and may be extended up to seven years as a tenure-track position based on candidate's satisfactory performance and mutual agreement. *Candidates must be U.S. citizens or resident aliens eligible for citizenship within four years.* Salary is commensurate with experience and training. Applications should be sent to: **Stephen M. Feinstone, M.D., 1401 Rockville Pike, HFM-448, Rockville, MD 20852. E-mail: feinstone@cber.fda.gov.** Applications received on or before June 26, 2001, will be considered.

RESEARCH ASSOCIATE POSITIONS

Research Associate positions are available in the Center for Bio/Molecular Science and Engineering of the Naval Research Laboratory. Applications are currently sought for two positions in the fields of (1) bacterial pathogenesis using microarray technology and (2) neural extracellular recording using micro-electrode array assemblies. These positions require a Ph.D. in a relevant field with less than five years of previous postdoctoral experience. Starting salaries for National Research Council Fellowships are \$52,000 per year, and opportunities are excellent for transition to permanent status after a successful tenure. Applicants should send their curriculum vitae and the names of two references by e-mail or regular mail to: **J.J. Pancrazio, Ph.D., CBMSE, Code 6910, Naval Research Laboratory, Washington, DC 20375. E-mail: jxp@cbmse.nrl.navy.mil.** *The NRL is an Equal Opportunity/Affirmative Action Employer. Only U.S. citizens or permanent residents can be considered for these positions.*

Two NIH-funded **POSTDOCTORAL POSITIONS** are available immediately to work on projects in aging and transcriptional silencing, telomere length regulation, or telomerase using molecular genetic, genomic, and biochemical approaches. Experience in biochemistry, molecular genetics, or mass spectrometry is preferred. The projects offer broad-based training in the above fields using the state-of-the-art facilities in the new Lerner Research Institute. Interested candidates should send their résumé and contact information for three references to: **Dr. Kurt Runge, Cleveland Clinic Foundation, The Lerner Research Institute, Department of Molecular Biology, 9500 Euclid Avenue, NC20, Cleveland, OH 44195.** Additional information is available at **website: <http://www.ri.ccf.org/ri/pi/runge.html>.**

SCIENTISTS WANTED IN INDIA

Institute of Microbial Technology, Chandigarh, a premier research and development organization of the Council of Scientific and Industrial Research, Government of India, invites applications for scientific positions from Indian citizens with excellent scientific record. The Institute is engaged in basic and applied research in different areas of modern biology. Visit us at **website: <http://www.imtech.res.in>.** The last date for submission of application on plain paper is July 20, 2001. For details, visit **website: <http://www.imtech.res.in/post>.**

POSITIONS OPEN

DIRECTOR

Regeneration/Stem Cell Transplantation

The newly formed Regeneration/Stem Cell Transplantation Program at the University of Pittsburgh School of Medicine, Department of Pediatrics, Children's Hospital of Pittsburgh, is seeking a Director. This program will bring together Investigators and laboratories from multiple disciplines and establish core facilities to examine mechanisms of regeneration in different tissues, to determine the rules that govern the role of stem cells, and to develop methods for cell transplantation therapy. The program is designed to incorporate several Investigators and laboratories already at The University of Pittsburgh and recruit several additional Investigators with their laboratories. The Director's rank will be **ASSOCIATE** or **FULL PROFESSOR** with tenure. Applications from outstanding senior Scientists (Ph.D. or M.D.) with strong records of extramural funding and successful mentoring are encouraged. Please send curriculum vitae and three references to: **Regeneration Search Committee, c/o Claudia Brazet, Office of the Chairman, Department of Pediatrics, University of Pittsburgh School of Medicine, Children's Hospital of Pittsburgh, 3705 Fifth Avenue, Pittsburgh, PA 15213.**

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

PLANT SCIENTISTS

The J.R. Simplot Company is among the nation's largest privately held agribusinesses. The company's mission statement, "Bringing Earth's Resources to Life," embodies our reason for doing business. We mold many of the planet's raw materials into a variety of value-added items that sustain and enhance life (**website: <http://www.simplot.com>**).

We have recently established a plant sciences effort to further our understanding of important crops, implement new methods of improving such crops, and develop new products. Creative and highly motivated Scientists (Ph.D., M.S., B.S.) with experience in molecular biology, biochemistry, and/or plant transformation and an interest in helping to build this new research effort are encouraged to apply. The ability to work effectively with team members and other members of our vertically integrated company is essential.

We are also looking for **POSTDOCTORAL SCIENTISTS** with experience in molecular biology and/or plant transformation. These individuals will be directly involved in the development of green technologies and in the generation of potato and turf plants with an improved agronomic performance. They will be encouraged to patent and/or publish their significant research findings.

Our facilities are located in beautiful Boise, Idaho, nestled between the Rocky Mountains and Treasure Valley and close to a wide variety of cultural and recreational facilities. We offer a competitive salary and benefits package and a highly stimulating, interactive environment. Interested candidates can e-mail their curriculum vitae, salary history, and research interest to **e-mail: wdavis@simplot.com.** *J.R. Simplot Company is an Equal Opportunity Employer.*

HARVARD MEDICAL SCHOOL

Bioinformatics Developer. Develop Web applications at Harvard Medical School to browse the space of gene function; discover/display patterns in biological data. M.A. in CS (or equivalent); more than two years of software experience (Perl/CGI or Java) essential. Coursework and biology experience desired. XML and SQL a plus. Must be independent, able to implement a full-scale Web application, a problem-solver strong in math/stats, able to communicate in a multidisciplinary team, enthusiastic about bioinformatics. Please contact: **e-mail: froth@hms.harvard.edu.**

POSITIONS OPEN

HYDROLOGIST/PHYSICAL SCIENTIST/ Atmospheric Scientist/Soil Scientist/ Agronomist

The U.S. Department of Agriculture, Agricultural Research Service, Hydrology and Remote Sensing Laboratory at Beltsville, Maryland, has an opening for a permanent full-time **RESEARCH SCIENTIST** to join a team whose research mission is to conduct nationally oriented basic and applied research on water resources and remote sensing concerns related to the production of food and fiber and the conservation of natural resources. The candidate should have experience in one or more of the following areas: (1) investigating the effects of scaling-up from point-based process models to landscape, regional, and continental scales; (2) developing methods for modeling and inventorying carbon in soil at various scales from field to continental and relating carbon stocks and sequestration rates to the water cycle, climate, and vegetation; (3) integrating mesoscale atmospheric modeling with remotely sensed data in data assimilation schemes for assessing regional climate effects; (4) developing coupled modeling of land-atmosphere processes leading to improved predictability in the global water and carbon cycles that includes key factors related to agriculture; (5) developing techniques for extracting information from remotely sensed data and a framework to incorporate remotely sensed data into watershed and regional scale hydrologic and climate models; and (6) assisting in technology transfer. *Candidates must be U.S. citizens.* Salary is commensurate with experience (GS-12: \$53,156 to GS-14: \$97,108). For information about the position, contact: **Dr. Walter Rawls; Telephone: 301-504-8745; e-mail: wrawls@hydrolab.arsusda.gov.** Information about the laboratory is available at **website: <http://hydrolab.arsusda.gov>.** Information about the application procedures may be obtained by contacting: **Beverly Jacobs; Telephone: 301-504-1350; e-mail: bjacobs@ars.usda.gov; ARS website: www.afm.ars.usda.gov/divisions/hrd/index.html.** Announcement Number ARS-X1E-1359. Applications must be postmarked by the closing date of July 23, 2001. *USDA-ARS is an Equal Opportunity Provider and Employer.*

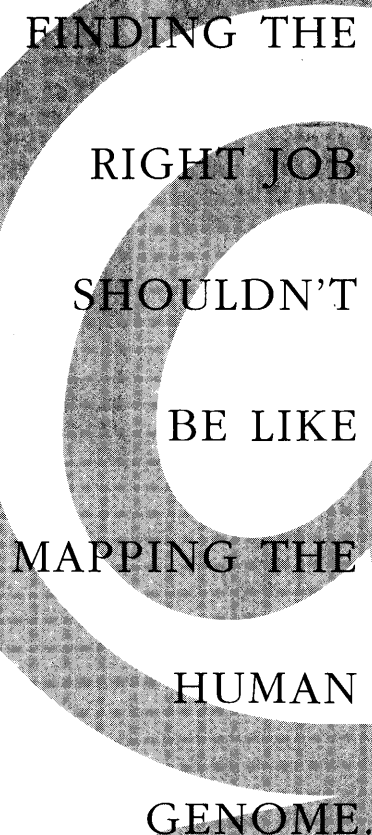
FACULTY POSITION PHARMACOGENOMICS

The Pharmaceutical Sciences Division of the College of Pharmacy, University of Kentucky, seeks applicants for a 12-month, tenured/tenure-track faculty position at the **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** level. Candidates should have a Ph.D. or equivalent degree and an active research program in genomics relevant to drug discovery, development, or therapeutics. The successful candidate will develop a competitive, extramurally supported research program and contribute to the teaching missions of the professional program in pharmacy and graduate program in pharmaceutical sciences. Please send curriculum vitae, an outline of current and future research plans, and names of three references to: **Dr. Peter Wedlund, Chair, Search Committee, College of Pharmacy, University of Kentucky, Lexington, KY 40536-0082. Website: <http://www.uky.edu/Pharmacy/ps/psfaculty.html>.** Applications accepted until the position is filled.

An Equal Opportunity University.

TENURE-TRACK FACULTY POSITIONS

in the Department of Medicine, Division of Rheumatology, are available at the University of Tennessee Health Science Center, Memphis. We are currently recruiting two to three faculty with research expertise in laboratory research related to rheumatic and bone diseases. Interested candidates should send curriculum vitae with letter of interest to: **Arnold Postlethwaite, M.D., University of Tennessee Health Science Center, Division of Rheumatology, 956 Court, A302, Memphis, TN 38163. E-mail: apostlethwai@utmem.edu.** *The University of Tennessee is an Equal Employment Opportunity/Affirmative Action/Title VI/Title IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Employer.*



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BE LIKE
MAPPING THE
HUMAN
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**FACILITY MANAGER - MICROARRAY FACILITY
RESEARCH TECHNOLOGIES BRANCH
NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES**

The Research Technologies Branch (RTB) has an opportunity for an individual with a doctoral degree and experience in preparation and analysis of DNA-based microarrays. The incumbent will be responsible for the design and oversight of a facility for the production of high-density DNA-based microarrays for various uses including monitoring differential gene expression levels. The individual will be responsible for the selection and maintenance of appropriate instrumentation, optimized protocols and methodology for all aspects of microarray technology. The individual will be responsible for interfacing with the Intramural research community in a collaborative, consulting, or service capacity as appropriate in the area of microarray technology. This program will initially focus on microorganisms where complete or partial genomic DNA sequence is available for use in the design process. The individual will oversee implementation and expansion of these efforts in various prokaryotic and eukaryotic systems. Successful candidates will have an advanced degree in microbiology, biochemistry or biology and experience with all microarray instrumentation and scanners. Experience constructing microarrays of prokaryotic genomes is preferred. Salary will be dependent upon qualifications. A curriculum vitae and bibliography must be submitted by June 22, 2001 to **Robert Hohman, NIH/NIAID/RTB, Twinbrook II, Room 201b, 12441 Parklawn Drive, Rockville, MD 20852**. Applications may be forwarded electronically to ebutler@niaid.nih.gov.

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GLOBAL OPPORTUNITIES

National Yang-Ming University
(<http://www.ym.edu.tw/sls>)

Assistant, Associate and Full Professor Positions

To enhance medical education and basic biomedical science research, the National Yang-Ming University is undertaking a major interdisciplinary initiative in the area of molecular medicine and genomic research. Several faculty positions are available immediately. Interested qualified candidates should have a Ph.D. or M.D. degree and completed at least 2 years of post-doctoral training with a good publication record. Successful candidates will be expected to develop outstanding independent research programs and participate in undergraduate and graduate teaching. Applicants' rank will be determined by qualification.

Institute of Microbiology and Immunology. Two positions are available. Candidates should have demonstrated productivity in the area of bacteriology, virology, or immunology. Candidates with expertise in the techniques and methods of genomics and proteomics research will be an added advantage. Correspondent : Dr.Ning-Hsing Yeh, Director (yphesl@ym.edu.tw)

Institute of Physiology. The Institute invites applications for two faculty positions, preferably in the area of molecular physiology and functional genomics. Applicants are expected to apply techniques of molecular biology or genomics to fundamental problems of physiological interest. Correspondent : Dr.Tsai-Hsien Chiu, Director (thchiu@ym.edu.tw)

Institute of Pharmacology. The Institute invites applicants for 3 faculty positions in areas of pharmacology, pharmacogenomics, pharmacoproteomics, as well as structural biology. Applicants should have demonstrated excellence in both research and teaching. Correspondent : Dr.Jyh-Fei Liao, Director (jfliao@ym.edu.tw)

Institute of Anatomy and Cell Biology. One position is available for candidates who have a strong background in cell and/or molecular biology and an aptitude for independent research. Experience with anatomical sciences teaching is desirable. Correspondent : Dr. Hung-Hai Ku, Director (hkku@ym.edu.tw)

Institute of Parasitology. The Institute invites application for a faculty position. Candidates must have research experience and good publication record in immunology or molecular biology of helminths or protozoa. Applicants with strong background in General Parasitology will be an added advantage. Correspondent : Dr. Kin-Mu Lee, Director(kinmu@ym.edu.tw)

Institute of Genetics. The Institute is seeking a faculty member with expertise in population or quantitative genetics. Candidates should have demonstrated good research productivity in the fields of statistical genetics, genetics or related disciplines, as well as experience in linkage analysis and applying bioinformatics to human population. Correspondent : Dr. Kwang-Jen Hsiao, Director (<http://www.ym.edu.tw/ig/>)

Interested applicants should send a letter of intent, curriculum vitae with publication list, a brief research proposal, reprints of selected publications, and three reference letters to the correspondent at the National Yang-Ming University (155, Li-Nong St., Sec. 2, Peitou, Taipei 112, Taiwan). Applications will be received until positions are filled.

POSITIONS OPEN

POSTDOCTORAL POSITION Division of Transplantation University of Nebraska Medical Center Omaha, Nebraska

One Postdoctoral position is available immediately in an NIH-funded laboratory in the Division of Transplantation to study the impact of the extracellular matrix on immune responses. Our laboratory's specific interests involve the interaction between IL-2 and heparan sulfate including how this interaction may modulate normal immune responses as well as the pathologic consequences that may ensue when this association is disrupted. The potential Ph.D. or M.D. candidate must be within five years of receiving his/her degree; rank dependent upon qualifications. Curiosity and excitement about immunology is mandatory. Experience with flow cytometry is essential and experience with small animal models, basic molecular biology, and histology is desirable. Applicants should send/e-mail curriculum vitae, a brief statement of research interests, and contact information for three references to:

Dr. Lucile Wrenshall
University of Nebraska Medical Center
987690 Nebraska Medical Center
Omaha, NE 68198-7690
E-mail: Greg Prorok; gprorok@unmc.edu

The University of Nebraska is an Equal Opportunity Employer. Minorities and women are encouraged to apply.

TENURED/TENURE-TRACK INVESTIGATOR

Laboratory of Clinical Investigation National Institute of Allergy and Infectious Diseases

The Laboratory of Clinical Investigation (LCI) has an opportunity for a tenured or tenure-track Investigator to conduct studies that complement the existing research interests of the laboratory, specifically the immunology of autoimmune/inflammatory conditions and/or the pathogenesis of chronic infections. For more information about LCI and NIAID Intramural programs, see [website: http://www.niaid.nih.gov/dir](http://www.niaid.nih.gov/dir). An ideal candidate will have well-developed clinical interests and will initiate patient-oriented research studies leading to the improved understanding and/or novel therapies of diseases in the field of interest. *Candidates must be U.S. trainees or ECFMG/USMLE-certified physicians with specialty training. Salary will be dependent upon qualifications. Other incentives may be available. Curriculum vitae; bibliography; three letters of reference; a detailed statement of research interests; and selected publications must be submitted by July 1, 2001, to: Ms. Joann Martin, Office of Human Resources Management, NIAID, Building 31, Room 7A27, 31 Center Drive, MSC 2520, Bethesda, MD 20892-2520.* All information provided by the applicants will remain confidential and will be viewed only by authorized officials of the NIAID.

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POSTDOCTORAL POSITION available immediately for a Ph.D. with experience in macromolecular crystallography. Projects include studies on Holliday junctions, structural transitions, and cross-links in DNA. Send curriculum vitae and three letters of recommendation to: **P. Shing Ho, Department of Biochemistry and Biophysics, ALS 2011, Oregon State University, Corvallis, OR 97331.** *Oregon State University is an Affirmative Action/Equal Opportunity Employer and has a policy of being responsive to the needs of dual-career couples.*

POSTDOCTORAL POSITION MOLECULAR BIOLOGY

Individual with a solid background in basic molecular biology, cloning, gene expression, and DNA/RNA purification. Training in microbiology or genetics is a plus. Zymo Research is a small biotechnical supply company. Please visit [website: http://www.ZymoResearch.com](http://www.ZymoResearch.com). Reply to e-mail: info@ZymoResearch.com, subject line Post-doc Position.

POSITIONS OPEN

SIGNAL TRANSDUCTION AND CANCER University of California Los Angeles

POSTDOCTORAL POSITIONS are available in the Unit of Signal Transduction and Gastrointestinal Cancer established by **Dr. Enrique Rozengurt** in the Department of Medicine, UCLA. The central aim of this laboratory is to identify and characterize signal transduction pathways that regulate the proliferation of normal and cancer cells (e.g., *JBC* 275:2157, 2000; *JBC* 275:17114, 2000; *JBC* 275:30644, 2000; *JBC* 276:17788, 2001). A special opportunity for Physicians also exists within the STAR (Specialty Training and Advanced Research) program based in the Department of Medicine. Interested candidates (*U.S. citizens or green card holders*) with a strong background in cellular and molecular biology should send curriculum vitae, a letter containing a brief description of research experience, and contact information for three references to: **E. Rozengurt, UCLA School of Medicine, 900 Veteran Avenue, Warren Hall, Room 11-124, Los Angeles, CA 90095-1786. FAX: 310-267-2399; e-mail: crozengurt@mednet.ucla.edu.**

POSTDOCTORAL POSITIONS: Available for studies in various aspects of cancer research and toxicology in the Center in Molecular Toxicology through the Departments of Biochemistry, Cell Biology, Chemistry, Medicine, and Pathology. Areas of investigation relating to toxicology and carcinogenesis are (1) enzymatic oxidation and conjugation, (2) oxidative damage, (3) DNA damage and mutagenesis, (4) regulation of gene expression, and (5) environmental pathology. Center faculty include Drs. Richard N. Armstrong, Raymond F. Burk, Richard M. Caprioli, Walter J. Chazin, Raymond N. DuBois, F. Peter Guengerich, Lawrence J. Marnett, Thomas J. Montine, Jennifer A. Pietsenpol, Ned A. Porter, Carmelo J. Rizzo, Michael P. Stone, William M. Valentine, and Michael R. Waterman. Salaries are negotiable. Applicants should submit curriculum vitae and three letters of recommendation to: **Dr. F. Peter Guengerich, Director, Center in Molecular Toxicology, Vanderbilt University, School of Medicine, Nashville, TN 37232-0146.** *An Affirmative Action/Equal Opportunity Employer.*

MEDICAL UNIVERSITY OF THE AMERICAS

Saba University School of Medicine

Several full-time and M.D. scholarship positions available in all areas of the basic sciences (anatomy, histology, biochemistry, microbiology, medical psychology, pharmacology, pathology, clinical medicine, physical diagnosis). Full-time positions require M.D. or Ph.D.; salary \$35,000 to \$45,000 USD, tax free. M.D. scholarship positions require a Ph.D. and provide part-time salary and free tuition for the entire M.D. degree. All positions are on the Caribbean islands of Nevis or Saba. Contact: **Dr. David Fredrick, P.O. Box 386, Gardner, MA 01440. Telephone: 978-630-5122; FAX: 978-632-2168; e-mail: drfredrick@yahoo.com; websites: <http://www.saba.org> or <http://www.medicaluniversity.org>.**

POSTDOCTORAL POSITION/RESEARCH ASSOCIATE available to study the neural and behavioral mechanisms of cross-modality (i.e., multisensory) integration. Experience with electrophysiological, behavioral, anatomical, psychophysical, or imaging techniques preferred. Send curriculum vitae and two letters of recommendation to: **Barry E. Stein, Ph.D., Department of Neurobiology and Anatomy, Wake Forest University School of Medicine, Winston-Salem, NC 27157-1010.** *Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITION available immediately to study mechanisms of diabetic nephropathy during renal embryonic development. Experience in kidney field and cell and molecular biology techniques required. Send curriculum vitae and names of three references to: **Dr. Yashpal S. Kanwar, Northwestern University, 303 East Chicago Avenue, Chicago, IL 60611. E-mail: y-kanwar@northwestern.edu.**

POSITIONS OPEN

The U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Periparturient Disease of Cattle Research Unit at the National Animal Disease Center (Ames, Iowa) is seeking a **RESEARCH MOLECULAR BIOLOGIST** to conduct basic and applied research on diseases of dairy cattle occurring around time of parturition, such as mastitis. The Scientist will serve as an independent Investigator and as a team member on the periparturient disease and nutritional immunology projects. The focus will be host-pathogen interactions within mammary tissue and use of proteomics and molecular/biochemical techniques to assist in identifying disease-specific proteins. The incumbent develops research proposals and participates in developing joint proposals. The incumbent develops methods of approach and is responsible for organizing, conducting, interpreting, and reporting assigned portions of the research results upon completion. Ph.D. in molecular biology, chemistry, biological science, or related disciplines or equivalent experience is preferred. Comprehensive benefits package includes paid annual and sick leave, life insurance, health insurance, and a savings and investment plan in addition to a federal retirement plan. Salary commensurate with experience (\$51,927 to \$94,862). *U.S. citizenship required.* For further information, please contact: **Dr. Ron Horst; Telephone: 515-663-7312; e-mail: rhorst@nadc.ars.usda.gov.** Vacancy announcements and application information can be obtained by **ARS DIAL-A-VACANCY** at Telephone: 301-504-1482; **Janac Lentz: 515-663-7277**; or the **ARS website: <http://www.ars.usda.gov/afm/hrd/resjobs>.** Applications in response to this ad must be postmarked by August 20, 2001, and reference Vacancy Announcement Number ARS-X1W-1327. *The USDA is an Equal Opportunity Provider and Employer.*

ASSISTANT PROFESSOR POSITIONS

Department of Biological Sciences Université de Montréal

The Department of Biological Sciences, Université de Montréal, is opening tenure-track positions starting January 1, 2002, in the fields of (1) plant biology; metabolic regulation and engineering, molecular biology of development and signal transduction, protein routing and targeting, and plant-microorganism interactions. (2) Genetics of behavior: endocrinology and genetic control of animal development. (3) River ecology: lake management, aquatic ecotoxicology, ecology and management of plant populations, and animal ecology (entomology and ornithology). (4) Systematics: conservation, molecular evolution, and phylogenetics.

More details can be found on the following website: <http://www.fas.umontreal.ca>.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents in Canada. Université de Montréal is committed to a program of access to Equity in Employment for women.

POSTDOCTORAL POSITIONS available to study (1) signaling pathways and protein-protein interactions modulating effects of forkhead transcription factors on gene expression and (2) identification of novel targets for forkhead action in cell culture and transgenic/knockout models. Experience in molecular and cellular biology and/or transgenic/knockout technology required. Send résumé and names of three references to: **Terry G. Unterman, M.D., University of Illinois at Chicago and VA West Side Medical Center, Room 5A122A Research (MP 151), 820 South Damen Avenue, Chicago, IL 60612. FAX: 312-569-8114; e-mail: Unterman@uic.edu.**

POSTDOCTORAL RESEARCH ASSOCIATE to study gene expression in enteric bacteria. Project involves construction of vectors expressing protective antigens of pathogenic *Escherichia coli* and other enteric pathogens in attenuated vaccine strains of *Shigella*. Experience with molecular genetic techniques, protein biochemistry, and immunology helpful. Salary and benefits commensurate with experience. Contact: **Dr. Malabi Venkatesan; Telephone: 301-319-9764; FAX: 301-319-9801; e-mail: malabi.venkatesan@na.amedd.army.mil.**

Department Graduate School of Journalism

The Graduate School of Journalism, University of California, Berkeley, seeks to appoint, at a tenured rank, a full-time faculty member in science and technology reporting beginning approximately January 15, 2002. The position will be partially supported by a \$1.5 million endowment from the John S. and James L. Knight Foundation.

The Graduate School of Journalism is a two-year program, with approximately 110 students. At its core is a strong emphasis on learning the craft of journalism through writing and reporting. Responsibilities for this new faculty position include teaching and designing classes in coverage of science and technology; and recruiting and supervising lecturers to augment the curriculum. A copy of the endowment grant proposal is available on our web site, www.journalism.berkeley.edu. The starting salary is dependent on experience and qualifications.

To apply: Send letter of introduction, statement of qualifications, curriculum vitae, and the names of at least three references to: **Knight Chair Search Committee, Graduate School of Journalism, North Gate Hall, Berkeley, Calif. 94720-5860.**

The deadline for postmark of applications is August 15, 2001.

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

INSTITUTE OF PHYSICS UNIVERSITY OF ZURICH



INSTITUTE OF BIOCHEMISTRY UNIVERSITY OF ZURICH

Post-Doc Position Biophysics

In a joint research effort between the Physics and Biochemistry Departments of the University of Zurich, tools and methods will be developed to interface individual biomolecules with solid state structures to be imaged with a coherent low energy electron beam. The ultimate goal is to obtain structural and electronic information about single molecules.

Candidates are expected to have a Ph.D. in Biophysics or Molecular Biology as well as some experience in optical and/or electron microscopy techniques and a strong interest to participate in developing novel technologies for structural biology.

Applicants should send a letter of application and a resume including a statement of research interests, along with the names of at least three references to: **Prof. Heris-Werner Fink (Institute of Physics) or Prof. Andress Ptückthun (Institute of Biochemistry) University of Zürich, Winterthurerstrasse 190, CH-8057 Zürich, Switzerland**

MEETINGS

UNDERSTANDING THE BIOLOGY OF SEX AND GENDER DIFFERENCES

JULY 16, 2001

SCIENTIFIC ADVISORY MEETING

RESPONSE TO THE INSTITUTE OF MEDICINE REPORT

EXPLORING THE BIOLOGICAL CONTRIBUTIONS TO HUMAN HEALTH: DOES SEX MATTER?

•INTERDISCIPLINARY RESEARCH•SEX DIFFERENCES
IN NEUROSCIENCE•SCIENCE/MEDIA RELATIONS•CME

JULY 17, 2001

CLINICAL TRIALS WORKSHOP

SUBGROUP ANALYSIS & STATISTICAL DESIGN

FOR DETECTING SEX DIFFERENCES
IN CLINICAL TRIALS

WASHINGTON PLAZA HOTEL
WASHINGTON, DC

Find out more or register online at
www.womens-health.org/meetings.html or call 202-223-8224



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WOMEN'S HEALTH RESEARCH

*Society for Women's Health Research is the nation's
only non-profit advocacy group whose sole mission is
to improve the health of women through research.*

Staff Scientist Position in Biophysical Chemistry National Heart, Lung and Blood Institute National Institutes of Health

A Staff Scientist position is available in the Laboratory of Biochemistry of the National Heart, Lung and Blood Institute for an individual with prior experience in studying macromolecular dynamics and conformational changes, spectroscopy (including steady-state and ultra-fast time-resolved fluorescence, resonance energy transfer, dichroism, optics, and UV- and Vis-spectrophotometry), analytical ultracentrifugation, protein folding, protein-ligand interactions, DSC, ITC, computerized instrument control, and computer programming for data analysis. The Staff Scientist will be directed by the Chief of the Section on Protein Chemistry whose focus is on the thermodynamic stability of complex biopolymer structures and the function and regulation of proteins. The Staff Scientist will also provide research support to other laboratory investigators.

The position is open immediately for a Ph.D. scientist with at least three years postdoctoral research experience in the specified biophysical areas and publications in peer-reviewed scientific journals. The initial appointment will be for three years, with reappointment possible if mutually agreeable. The salary will depend on the qualifications of the candidate. Applications must be received by **June 22, 2001**.

To apply, send a letter of interest, curriculum vitae, and bibliography and arrange for three letters of reference. Communications by E-mail, including attached files, are welcome.

Donald Ouellette, Personnel Management Specialist
Personnel Management Branch
National Heart, Lung and Blood Institute
National Institutes of Health, Bldg. 31, Room 5A28
Bethesda, MD 20892-2484 USA
(301) 496-6477; E-mail: ouelletd@nih.gov

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WALTHER CANCER INSTITUTE

CALL FOR NOMINATIONS

First Annual Walther Prize For Distinguished Contributions to Cancer Research

The Walther Cancer Institute, an Indianapolis-based medical research organization, invites nominations for the first annual Walther Prize. The award will be given to a person who, as a scientist, clinician or administrator/facilitator, has significantly advanced progress in cancer research. Eligible nominees include those who have not received a major award, such as the Lasker Award, Nobel Prize or Bristol-Myers Squibb Award. Persons who have been employed by the Walther Cancer Institute/Foundation are not eligible. The Walther Prize is not limited to U.S. citizens. Other criteria are determined by the Selection Committee.

AWARD:

Deadline for receipt of nominations:
Announcement of Award Recipient:

U.S. \$50,000
November 1, 2001
April 2002

Rules and official nomination forms are available from
Walther Cancer Institute
3202 N. Meridian St.
Indianapolis, IN 46208-4646
(317) 921-2040
www.walther.org

Selection Committee

John R. Durant, M.D.
Selection Committee Chairman
Consulting Medical Director, Walther Cancer Institute

James O. Armitage, M.D.
University of Nebraska Medical Center

Fawzy I. Fawzy, M.D.
University of California at Los Angeles School of Medicine

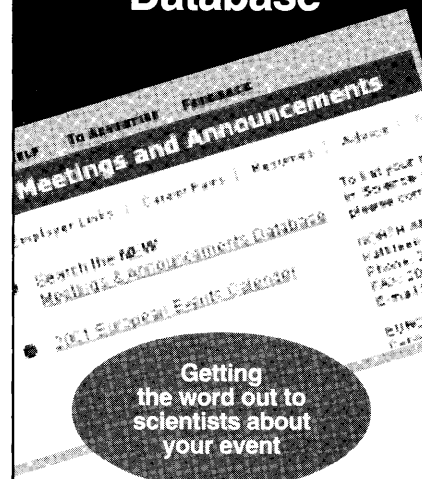
Ronald B. Herberman, M.D.
University of Pittsburgh Cancer Institute

Ruth McCorkle, Ph.D.
Yale University School of Nursing

Gillies McKenna, M.D., Ph.D.
University of Pennsylvania Cancer Center

Gerald W. Hart, Ph.D.
Johns Hopkins University School of Medicine

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- Investigators in Pathogenesis of Infectious Disease program offers \$400,000 over five years to scientists at the assistant professor level. *Deadline: November 1, 2001.*

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POSITIONS OPEN

POSTDOCTORAL

Harbor—UCLA Research and Education Institute, an internationally acclaimed leader in research, is seeking an individual for a Postdoctoral position to study the pathogenesis of *Candida albicans* infections with the overall goal of elucidating the response of both the host and the organism during oropharyngeal and systemic infection. Techniques include targeted gene disruption in *C. albicans*, microarray analysis of gene expression, immunohistochemistry, and RT-PCR. Refer to Job Number 74.

Résumés can be submitted using our website: <http://www.rei.edu/hr> or FAX: 310-222-3640. Harbor—UCLA Research and Education Institute, Building N-12, 1124 West Carson Street, Torrance, CA 90502. Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available to study the pathogenesis of HIV and human cytomegalovirus (CMV). Areas of HIV research examine the interaction of HIV with dendritic cells and the impact of chemokine, chemokine receptor, and cytokine genotypes on HIV pathogenesis including the impact on mother-to-infant transmission, disease progression, and the development of CNS impairment. CMV research examines immunopathogenesis, interactions with dendritic cells, and role of chemokines and cytokines in CMV pathogenesis and molecular mechanisms associated with CMV latency and reactivation. Experience in molecular biology or immunology required. Applicants must have spoken and written fluency in English. Salary range is based on University of California policy. Applicants should provide curriculum vitae and three letters of recommendation to: **Stephen A. Spector, M.D., University of California, San Diego, Stein Research Building, 9500 Gilman Drive, La Jolla, CA 92093-0672.**

A POSTDOCTORAL ASSOCIATE POSITION to investigate elementary steps of the cross-bridge cycle in cardiac muscle strips after removal of the thin filament by gelsolin and reconstitution of the thin filament with purified proteins. The successful candidate must have a Ph.D. or equivalent. Experience in purification of muscle proteins is advantageous. The work includes dissection of cardiac muscle strips and computer-controlled mechanochemical experiments to access elementary steps of the cross-bridge cycle. Interested individuals should send the application letter and curriculum vitae and arrange three letters of recommendation to be sent to: **Professor Masataka Kawai, Department of Anatomy and Cell Biology, University of Iowa, Iowa City, IA 52242 U.S.A. E-mail: masataka-kawai@uiowa.edu.**

POSTDOCTORAL POSITIONS are available in the Division of Endocrinology, Diabetes, and Medical Genetics to study molecular aspects of insulin resistance in fat/muscle involving novel genes identified by microarray, genetics of obesity/diabetes, or gene expression mediating foam cell formation. Candidates should possess a Ph.D. in molecular/cellular biology or a related discipline and have a record of publication. U.S. citizenship or a green card is preferred to optimize opportunities for advancement to junior faculty. Please send or e-mail curriculum vitae and names of three references to: **Dr. W. Timothy Garvey, STB/503, Medical University of South Carolina, 114 Doughty Street, Charleston, SC 29403. E-mail: garveywt@musc.edu.**

POSTDOCTORAL POSITION available to study growth factor-induced drug resistance (PNAS 97:8658–8663, 2000). Background in molecular biology is essential; experience in receptor binding, signal transduction, gene expression, antisense technology, microarray technology, and apoptosis is preferred. Send curriculum vitae and names of three references to: **Dr. Jessie Au, Ohio State University, 496 West 12th Avenue, Columbus, OH 43210. FAX: 614-688-3223; e-mail: au.1@osu.edu.**

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POSTDOCTORAL RESEARCH ASSOCIATE

The Biology Department of Brookhaven National Laboratory presently has an opportunity for a Research Associate to determine structures of integral membrane proteins using X-ray crystallography. Our primary interest is to understand the structural basis of transmembrane active processes via membrane channels and transporters (website: <http://bnl.stb.bio.bnl.gov/biodocs/structure/Fu.html>). Several representative channels and transporters have been cloned, overexpressed, and purified in pipeline for crystallization and structural determination. This position will offer comprehensive training from molecular biology through membrane biophysics to structure biology of membrane proteins. The successful candidate will join a large community of Macromolecular Crystallographers at the National Synchrotron Light Source. Requires a Ph.D. in biochemistry or biophysics. Preference will be given to a trained Crystallographer who wishes to develop an independent research career.

Interested candidates should send curriculum vitae; description of research experience/interests; and names, addresses, telephone numbers, and e-mail addresses of three references to: **Dr. Dax Fu, Brookhaven National Laboratory, Biology Department, Building 463, Upton, NY 11973. E-mail: dax@bnl.gov.** BNL is an Equal Opportunity Employer. Women and minorities are especially encouraged to apply.

POSTDOCTORAL POSITIONS are available immediately to study cell-mediated immune responses of human volunteers immunized with genetically engineered vaccine strains of *Salmonella typhi* and *Shigella* or malaria vaccine candidates. Studies include antigen presentation, MHC restriction, cloning and characterization of cytotoxic and helper T cells, identification of protective epitopes, role of dendritic cells, and microarray profiling and manipulation of cytokine production patterns to elucidate their role in the outcome of immune responses to vaccination. The candidate should have a Ph.D. in microbiology/immunology or M.D. degree and experience in the study of immunological mechanisms. Experience in cellular and molecular biology, microarray, and/or tetramer technologies is highly desirable. Send curriculum vitae and the names of three references to: **Marcelo B. Sztajn, M.D., Chief, Cellular Immunology and Flow Cytometry Section, Center for Vaccine Development, 685 West Baltimore Street, Room 480, University of Maryland, Baltimore, MD 21201. E-mail: msztajn@medicine.umaryland.edu.** Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

Applications are invited for a position to study the role of tyrosine phosphatases in the immune system. Applicants should have experience in molecular and cellular biology. This position has to be approved by the Japan Society for the Promotion of Science (website: <http://stafellow.jst.go.jp/index.html>). The two-year tenure will start after April 1, 2002. Please submit curriculum vitae, description of research interests, and names of three references by June 30, 2001, to: **Dr. Hidetaka Yakura, Department of Immunology and Signal Transduction, Tokyo Metropolitan Institute for Neuroscience, Fuchu, Tokyo 183-8526 Japan. E-mail: yakura@tmin.ac.jp; website: <http://www.tmin.ac.jp/dept/immunology/index-e.htm>.**

POSITIONS OPEN

POSTDOCTORAL POSITION Targeted Delivery of Therapeutic Agents to Pulmonary Epithelium and Vascular Endothelium University of Pennsylvania School of Medicine

An NIH-funded Postdoctoral position is available in the Institute for Environmental Medicine and the Department of Pharmacology at the University of Pennsylvania School of Medicine to study the targeted delivery of therapeutics to the pulmonary epithelium and vascular endothelium. Emphasis is on the specific delivery of genes and enzymes to target cells for antioxidant and antithrombotic therapies using both cell culture and small animal model systems (see *Proc. Natl. Acad. Sci. U.S.A.* 96:2379–2384, 1999; *Proc. Natl. Acad. Sci. U.S.A.* 93:5213–5218, 1996). For more information about the Institute for Environmental Medicine, please visit our website: <http://www.med.upenn.edu/ifem>. Candidates should possess a Ph.D. and/or M.D. with a strong background in biochemistry and cell biology. Information about the intramural training program and full range of support services for Postdoctoral appointees at the School of Medicine can be found at website: <http://www.med.upenn.edu/postdoc>. Send curriculum vitae and the names and contact information of three references by FAX or e-mail to: **Dr. Vladimir R. Muzykantov, Assistant Professor, Department of Pharmacology, 1 John Morgan Building/6068, 3620 Hamilton Walk, Philadelphia, PA 19104-6068. FAX: 215-898-0868; e-mail: muzykant@mail.med.upenn.edu.** The University of Pennsylvania is an Affirmative Action/Equal Opportunity Employer.

NIH-funded **POSTDOCTORAL POSITIONS** are available to study the structural dynamics of various ribosome-binding protein factors and their relevance in protein biosynthesis. This will be explored by three-dimensional cryoelectron microscopy (see Agrawal et al., *Proc. Natl. Acad. Sci. U.S.A.* 95:6134, 1998; Agrawal et al., *Nature Struct. Biology* 6:643, 1999; Frank and Agrawal, *Nature* 406:318, 2000; Agrawal et al., *J. Cell Biology* 150:447, 2000) combined with molecular tagging of single amino acid residues. The candidate should have experience in cloning, site-directed mutagenesis, and protein overexpression. Previous experience with transmission electron microscopy and image processing would be a big plus but not necessary. Please send your curriculum vitae and names of three references on earliest, preferably by June 30, 2001, to: **Dr. Rajendra K. Agrawal, Senior Research Scientist, Wadsworth Center, New York State Department of Health, Albany, NY 12201-0509 U.S.A. Telephone: 518-486-5797; FAX: 518-486-2191; e-mail: agrawal@wadsworth.org.** Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIPS Harvard Institute of Human Genetics/ Beth Israel Deaconess Medical Center Research Topic: Chromatin Remodeling, Dosage Compensation, and Mammalian X-Chromosome Inactivation

Competitive salary with generous benefits; three-to-four-year commitment required. Must have a demonstrated publication history and training in molecular biology or protein biochemistry. Please forward curriculum vitae including at least three references with telephone numbers to: **Dr. William M. Strauss, HIHG, Harvard Medical School, 4 Blackfan Circle, Boston, MA 02115. E-mail: wstrauss@hihg.med.harvard.edu.**

Multiple **POSTDOCTORAL FELLOWSHIPS** immediately available at the University of Wisconsin–Madison to study the regulation of amyloid precursor protein and GM-CSF mRNAs. A strong background in molecular biology with interest in neurodegenerative disease or asthma is necessary. Both projects are NIH supported with multiple years of salary support. Please send curriculum vitae, brief research statement, and names of three references to: **Dr. J. Malter; e-mail: jsalter@facstaff.wisc.edu.**

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EMBRYONIC STEM CELL/GENE KNOCKOUT FACILITY MANAGER

An experienced professional RESEARCH ASSISTANT is required to direct the embryonic stem cell/gene knockout facility at the University of Colorado Cancer Center. Responsibilities include isolation and maintenance of germline transmissible ES cells for targeted gene disruption, blastocyst injection, and uterine transfer. Molecular biology skills should include expertise in PCR, Southern blotting, and plasmid construction. Experience in *in situ* hybridization and immunostaining of embryos is desirable. The facility manager will work closely with Cancer Center personnel for the development of gene knockout and knock-in mice for research purposes. Minimum requirements include a Bachelor's degree in biology or related discipline with two to three years of experience in ES cell biology and blastocyst manipulation. Salary is commensurate with experience in the range of \$42,000 to \$50,000. Send curriculum vitae and names of three references by July 6, 2001, to: Dr. Gary L. Johnson C-236, UCHSC Department of Pharmacology, 4200 East Ninth Avenue, Denver, CO 80262. E-mail: gary.johnson@uchsc.edu. UCHSC is committed to Equal Opportunity and Affirmative Action.

Los Alamos National Laboratory's Biosciences Division is expanding its biomolecular diversity effort and has positions available for SCIENTISTS with experience in the selection of ligands generated with biomolecular diversity techniques (aptamers, phage display, or *in vitro* evolution technologies) as well as the use of such ligands in downstream applications in the fields of functional genomics, mass spectroscopy, bioreduction, biosensors, and fluorescence-activated cell sorting. Requires a Ph.D. in biology, chemistry, or a related field and research experience in molecular biology including the creation and generation of libraries; the selection, production, and characterization of ligands; and the applications of these ligands in functional genomics, structural genomics, proteomics, sensors, or applied biotechnology.

Notes to applicants: For specific questions about the status of this job, Telephone: 505-667-2746. To apply, submit a résumé and cover letter referencing SCIENCE016928 to: Résumé Service Center, MS-286, LANL, P.O. Box 1663, Los Alamos, NM 87545.

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Applications/nominations should be sent with curriculum vitae together with the names and addresses of three references to: Secretary of the Search Committee, Department of Biochemistry, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong. FAX: 852-2358-2765 before 31 August 2001.

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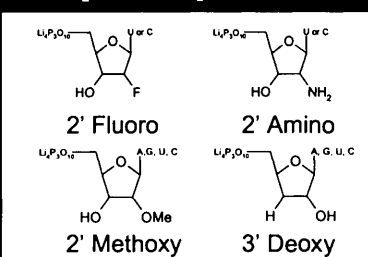
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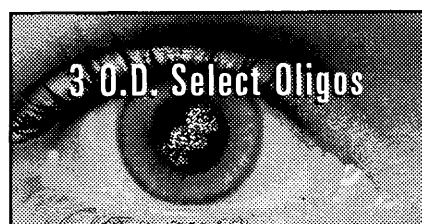
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